

# Software Catalog

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**ORDER NUMBER:** AW15, Rev.1

# Preface

This document is a complete revision to the Honeywell Software Catalog. Software listed here is first grouped by hardware product line (Level 61, 62, etc.) and then broken down by industries such as medical, manufacturing, or finance. For example, a Level 62 user wanting a medical payroll would first look in the Level 62 Section, then under medical, then under payroll.

We have added a whole new section in this revision – Section 6. This section contains the KWIC INDEX from the Xerox PAL manual.

An appendix describes the procedure for listing your applications with the ARI program. It also provides several numbers to call if you need assistance. ARI inquiry cards are provided for your convenience. These follow the appendix.

## ARI ONLINE

To further assist users, ARI's Matchmaker Program has been placed online via DATANETWORK. Users with terminals can dial in with their I.D. number and password, and give the command: RUNY N00268/ARI, E. The system will then give instructions for use. This allows users to remain up-to-date on ARI offerings, particularly those made available since this publication was issued.

## DATANETWORK SERVICE

Honeywell's DATANETWORK Service Library is organized to provide the DATANETWORK Service user with accurate up-to-date information as quickly as possible. Information in the library includes:

- Time-sharing applications
- Remote batch applications
- Saving and restoring files
- Customer service functions

All information on DATANETWORK is available from headquarters in Minneapolis (612)335-6000 or HVN 541-6000. The Reference Guide (AJ01) is available from the Distribution Center in Brighton, MA.

Programs in the time-sharing application library are fully documented in the four-volume Series 60 Level 66/6000 Time-Sharing Application Library Guide (DA43, DA44, DA45, DA46). The application programs available are explained in Section 4 of the Software Catalog.

## APPLICATION DESIGNATIONS

Every application listed is marked with a designator that indicates whether the product is Honeywell Developed Application (HDA), Honeywell Developed Software (HDS), Field Developed Application (FDA), User Developed Application (UDA), Referral, License (LIC), User Library (UL), or Application Reference Index (ARI).

### **Honeywell Developed Software (HDS) and Honeywell Developed Applications (HDA)**

Honeywell Information Systems has developed applications and software to support its products through comprehensive test procedures. Many products have maintenance, documentation, and training to go along with the package. Other products are vintage offerings that were once supported, have proven themselves over the long haul and support is no longer offered. Normally, they have documentation and sometimes training is offered.

### **User Developed Applications (UDA) and Field Developed Applications (FDA)**

User Developed Applications, as the name implies, are applications developed by Honeywell customers; FDAs were developed by Honeywell systems personnel. The documentation and software are quality-assured by home office. Limited program maintenance is offered, and in some cases training at the branch level is also offered as part of a services contract.

### **Referrals**

Referred products are built and sold outside of Honeywell. They are referred by Honeywell and must be ordered directly from the seller.

### **License (LIC)**

These products were developed by a vendor and Honeywell has obtained an exclusive license to market these to its customers.

### **User Library (UL)**

Products in the User Library have been contributed by users and Honeywell employees. Usually they are programmed solutions to specific problems or situations. Because they have been specialized for use by the contributor, they may require modification for use by others. Training and maintenance are not available. Copies of these programs and supporting documentation (if available) will be provided upon request.

### **Application Reference Index (ARI)**

ARI is a program initiated by Honeywell to link application supply and demand. Developers are given the opportunity to submit a description of their product. Honeywell lists submissions in this Software Catalog. Inquiries are made through Honeywell, who then informs the supplier of the interested prospect. All negotiations are conducted independently of Honeywell. If there is a sale, Honeywell is entitled to an agreed upon finders fee. Software packages offered free of charge are handled free of charge through ARI.

Honeywell serves to connect seller and buyer through the ARI listing. Honeywell does not offer warranties related to these products or guarantee the accuracy of descriptions furnished by the suppliers. Interested parties are advised to take all the steps necessary to determine that products function as described and do so reliably. In all cases, Honeywell is acting as a finder, not as an agent for either party. Prices of ARI products are set by the supplier and should be confirmed on inquiry.

## **MARKETING YOUR APPLICATIONS THROUGH ARI**

ARI is a unique program. It offers users who have developed programs and applications an opportunity to recover the cost of their investment. Many users are already experiencing both personal and financial rewards by sharing their programs with others through ARI. Purchasers of these products also benefit by obtaining reduced development costs, timely results and time-tested products. Honeywell benefits by having the applications needed to better satisfy its customers. Join ARI now and put your investments to work for you. See the appendix for details.

## **ORDERING INFORMATION**

Contact your local Honeywell Marketing Representative for prices and information on the following products:

- o Honeywell Developed Applications (HDA)
- o Honeywell Developed Software (HDS)
- o Field Developed Applications (FDA)
- o User Developed Applications (UDA)
- o License (LIC)

Prices and information on referrals can be obtained by contacting the Honeywell manager (at 200 Smith Street, Waltham, MA 02154) designated under the Ordering Procedure section of each product description.

Inquiries for most ARIs can be made by completing and mailing one of the return address inquiry cards provided at the end of this catalog or by contacting Honeywell's ARI Support Group, 151 Needham Street, Newton, MA 02161, telephone (617)964-3100, Ext. 6138.

Products marked UL (User Library) are distributed in the manner noted under the Ordering Procedure.



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# **Section 1**

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**SERIES 60 LEVEL 61**

**SERIES 50**

**SERIES 100**

**SECTION 1  
SERIES 60 LEVEL 61  
SERIES 50  
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# Section 1

## SERIES 60 LEVEL 61

## SERIES 50

## SERIES 100

### FINANCIAL MANAGEMENT

ACCOUNTS PAYABLE (5K)	HDA
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**DESCRIPTION:** The Series 60 Level 61/Series 50 Accounts Payable (5K) system is a disk-oriented application solution. The Accounts Payable System enters invoices, debit memos, prepaid checks, check releases and vendor update information. Payments are processed from invoice and debit memo items. Vendor checks are issued, listed on the check register and distributed. Output includes checks, an invoice register, a cash requirements report, a check register, a distribution report, aging and a check reconciliation report. Vendor statistics are automatically accumulated.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 central system with 5,000 bytes of memory
- o Card reader
- o Two disk units
- o 10-position display screen
- o 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Product Brief (BK36)  
Implementation Guide (AC61)

**SHIPPING MEDIUM:** Cards (AAF6002)  
Demo Discopy (Available without a contract) (A1401)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**NOTE:** This is an unsupported product.

ACCOUNTS PAYABLE (10K)	HDA
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**DESCRIPTION:** The Series 60 Level 61/Series 50 Accounts Payable (10K) System maintains an accurate record of outstanding liabilities for a company and provides sufficient detail to maximize available discounts. It provides a forecast of the amount of short-term and long-term cash requirements, on demand, and statistical data on vendors. The system positively identifies invoices paid with each draft.

Accurate and unlimited expense distribution is provided as well as reconciliation of cancelled checks.

Partial payments are permitted and correctly recorded.

**Features include:**

- o Modern cash management methods
- o Standard discount and terms for each vendor
- o Calculation of payment dates and discount
- o Taxes and shipping fields
- o Discounts taken automatically when due
- o Record of discounts lost
- o Statistics on invoices due, but not paid
- o Aging
- o Reinstatement of payable items if check is voided
- o Factor processing
- o Improved vendor statistical data
- o Check print restart procedure
- o Unlimited distribution of expense
- o Interlaced with General Ledger System

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 central system with 10K bytes of memory
- o 128-position printer
- o Card reader
- o Two disk units

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL73-1)  
Financial Management Systems (AL70)  
Handbook (Draft available from Industry Marketing)  
Sales Presentation Material, including vugraphs (available from Marketing Manager)

**SHIPPING MEDIUM:** Discopy (AAF0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months

ACCOUNTS PAYABLE ONLINE (10K)	HDA
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**DESCRIPTION:** The Series 60 Level 61/Series 50 Accounts Payable Online (10K) System enables a business to apply state of the art computing to its payables work. Inquiry into vendor master files is immediate. For example, the amount due can be quickly determined. Data entries are prepared without going through key-punch and input errors can be corrected before they get into the system. The operator is guided by prompting features flashed on the screen. Journals record all transaction input and a complete edit list is provided. The system takes maximum advantage of the efficient file organization capabilities of the Level 61 disk environment.

The System is a disk-oriented application solution. The Accounts Payable system enters invoices, debit memos, prepaid checks, check releases and vendor update information. Payments are processed from invoice and debit memo items. Vendor checks are issued, listed on the check register and distributed. Output includes checks, invoice register, a cash requirements report, a check register, a distribution report, aging and a check reconciliation report. Vendor statistics are automatically accumulated.

Functionally, this system is comparable to the 5K system.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 central system with 10,000 bytes of memory

## FINANCIAL MANAGEMENT

- o Mass storage subsystem
- o 128-position printer
- o Multiline controller
- o One or more CRT terminals (CRT instructions are precoded. Check with Honeywell Marketing Representatives to ensure terminal compatibility).

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL73)  
Implementation Guide (AC61)

**SHIPPING MEDIUM:** Discopy (available 2Q76)  
(AAF6008)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### **SERIES 100 ACCOUNTS PAYABLE SYSTEM (DISK) HDA**

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**DESCRIPTION:** The 100 Accounts Payable System handles all of the usual accounting and record keeping details for short term liabilities and expense distribution as well as the printing of checks used as payment to vendors. This system is adaptable to most businesses.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 100 central system with 12,288 bytes of memory
- o 300-lpm printer
- o 300-cpm reader
- o Disk storage subsystem

**OPERATING SYSTEM:** Extended APS (Assembly Programming System)  
EIOS (Extended Input/Output System)  
DOS (Disk Operating System)  
Sort/Merge Generator  
RPG

**PROGRAMMING LANGUAGE:** COBOL (RK)

**DOCUMENTATION:** 100 Generalized Accounts Payable System (BT56)

**SHIPPING MEDIUM:** Source Cards (A5103), (ASL100), (R2100)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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### **ACCOUNTS RECEIVABLE (5K) HDA**

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**DESCRIPTION:** The Series 60 Level 61/Series 50 Accounts Receivable (5K) System supports both the open-item and the balance-forward modes of processing. The reporting capacity of the system includes, but is not limited to, customer statements, an aged trial balance, a cash receipts journal, an accounts receivable journal, a transaction register and a batch entry register, a daily sales analysis report and a period sales analysis report.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 central system with 5,000 bytes of memory
- o Card reader
- o Two disk units
- o 10-position display screen
- o 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Product Brief (BK36)  
Implementation Guide (AC60)

**SHIPPING MEDIUM:** Cards (AAF6001)  
Demo Discopy (available without a contract) (A1402)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**NOTE:** This is an unsupported product.

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### **ACCOUNTS RECEIVABLE (10K) HDA**

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**DESCRIPTION:** The Series 60 Level 61/Series 50 Accounts Receivable (10K) System establishes and maintains an accurate history of customer billings and remittances. It provides sufficient detail and audit trails to answer customer inquiries and produce meaningful statements and aids the collection activity by highlighting, as early as possible, the potential problem areas and trends. Accounts Receivable monitors past-due accounts so the Credit Department can organize and plan collection strategy and also provides management documents in sufficient detail so that they can be used as control tools.

**Features include:**

- o Address file containing "Bill To," "Sold To" and "Ship To" address
- o Automatic calculation of due date and discount
- o Statements suitable for retail store use
- o Flexibility in service charge calculation
- o Customer account flagged when allowable credit exceeded
- o New and improved method of open-item cash application reducing open-item cash application work
- o Automatic write-off of small discrepancies
- o Balance-Forward and Open-Item options
- o Automatic checking of discounts taken
- o Service charges meet Truth-in-Lending requirements
- o Credit and collection management aids
- o Statistical data automatically maintained for each customer
- o Flexible aging analysis, forward and backward aging
- o Interfaced with General Ledger System

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 central system with 10K bytes
- o 128-position printer
- o Card reader
- o Two disk units

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL64)  
Financial Management System (AL70)  
Handbook (Draft available from Industry Marketing)  
Sales Presentation Material, including vugraphs (available from Marketing Manager)

**SHIPPING MEDIUM:** Discopy (AAF0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**ACCOUNTS RECEIVABLE ONLINE (10K) HDA**

**DESCRIPTION:** The Series 60 Level 61/Series 50 Accounts Receivable Online (10K) System enables a business to apply state of the art computing to its receivable work. Inquiry into customer master files is immediate. For example, the credit standing of a customer can be quickly determined. Data entries are prepared without going through keypunch and input errors can be corrected before they get into the system. The operator is guided by prompting features flashed on the screen. Journals record all transaction input and a complete edit list is provided. The system takes maximum advantage of the efficient file organization capabilities of the Level 61 disk environment.

The system supports both the open-item and the balance-forward modes of processing. The reporting capacity of the system includes, but is not limited to, customer statements, an aged trial balance, a cash receipts journal, an accounts receivable journal, a transaction register and a batch entry register, a daily sales analysis report and a period sales analysis report.

Functionally, this system is comparable to the 5K system.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 central system with 10,000 bytes of memory
- o Mass storage subsystem
- o 128-position printer
- o Multiline controller
- o One or more CRT terminals (CRT instructions are precoded. Check with Honeywell Marketing Representatives to ensure terminal compatibility).

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL64)  
Implementation Guide (AC60)

**SHIPPING MEDIUM:** Discopy (available 2Q76)  
(AAF6007)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SERIES 100 BILLING AND ACCOUNTS RECEIVABLE SYSTEM (DISK) HDA**

**DESCRIPTION:** This system is adaptable to practically any type of business but particularly to manufacturers and distributors. It simplifies the processes of billing and maintaining the accounts receivable ledger.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 100 central system with 12,288 bytes of memory
- o 300-lpm printer
- o 300-cpm reader
- o Disk storage subsystem

**OPERATING SYSTEM:** Extended APS (Assembly Programming System)  
EIOS (Extended Input/Output System)  
DOS (Disk Operating System)  
Sort/Merge Generator  
RPG

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Series 100 Generalized Accounts Receivable System (BT57)

**SHIPPING MEDIUM:** Source Cards (A5104)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

**GENERAL LEDGER (5K) HDA**

**DESCRIPTION:** The Series 60 Level 61/Series 50 (5K) General Ledger System features the complete processing of the bookkeeping cycle from the journal entry through the production of the profit/loss statement. The system has the capability of operating on a free form chart of accounts. The system processes in a Balance-Forward, Current-Month-Detail mode. Output includes general journals, journal summaries, general ledger, subsidiary ledgers, balance sheet and operating statement.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 central system with 5,000 bytes of memory
- o Card reader
- o Two disk units
- o 10-position display screen
- o 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** General Ledger 58 (Disk)  
Product Brief (BK36)  
Implementation Guide (AC62)

**SHIPPING MEDIUM:** Cards (A5010)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

**GENERAL LEDGER (10K) HDA**

**DESCRIPTION:** The Series 60 Level 61/Series 50 General Ledger (10K) System consolidates all accounting information so that financial statements can be quickly prepared to assist in management decisions. Account numbers are validated and the closing cycle minimized. Operating and income statements can be provided at several operating levels and a Key Business Ratio report analyzes the Balance Sheet. Budget comparison is provided.

Features include:

- o Interface with same series of Financial Management Systems
- o Rapid closing at end of accounting period
- o Immediate preparation of financial reports
- o Multilevel income/operating statements
- o Budget comparison
- o Key Business Ratio Report
- o Improved multilevel technique
- o Automatic reversal of user-identified accruals
- o Trial balance on demand
- o Timely information for management decision
- o User's own Chart of Accounts

## FINANCIAL MANAGEMENT

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 61 central system with 10K bytes of memory
- o 128-position printer
- o Card reader
- o Two disk units

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL72-1)  
Financial Management Systems (AL70)  
Handbook (Draft available from Industry Marketing)  
Sales Presentation Material, including vugraphs (available from Marketing Manager)

**SHIPPING MEDIUM:** Discopy (AAF0003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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### GENERAL LEDGER ONLINE (10K) HDA

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**DESCRIPTION:** The Series 60 Level 61/Series 50 General Ledger Online (10K) System enables a business to apply state of the art computing to its ledger work. Inquiry into files is immediate. Data entries are prepared without going through keypunch and input errors can be corrected before they get into the system. The operator is guided by prompting features flashed on the screen. Journals record all transaction input and a complete edit list is provided. The system takes maximum advantage of the efficient file organization capabilities of the Level 61 disk environment.

The system features the complete processing of the bookkeeping cycle from the journal entry through the production of the profit/loss statement. The system can operate a free form chart of accounts. The system processes in a Balance-Forward-Current-Month-Detail mode. Output includes general journal summaries, general ledger, subsidiary ledgers, balance sheet and income statements.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 61 central system with 10,000 bytes of memory
- o Mass storage subsystem
- o 128-position printer
- o Multiline controller
- o One or more CRT terminals (CRT instructions are precoded. Check with Honeywell Marketing Representative to ensure terminal compatibility).

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL72)  
Implementation Guide (AC62)

**SHIPPING MEDIUM:** Discopy (available 2Q76) (AAF6010)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### PAYROLL (5K) HDA

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**DESCRIPTION:** The Series 60 Level 61/Series 50 Payroll (5K) System supports weekly, biweekly, semimonthly and monthly pay processing for nonsalaried and salaried payrolls. The reporting capability of the system includes payroll checks, a payroll journal, gross earnings report, 941-A and W-2 reports, labor distribution report and a deduction register. Gross pay calculations provisions have been made for both exempt and nonexempt employees. The system is capable of processing Tax-Sheltered Annuities.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 61 central system with 5,000 bytes of memory
- o Card reader
- o Two disk units
- o 10-position display screen
- o 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (BK361)  
Implementation Guide (AC63)

**SHIPPING MEDIUM:** Cards (AAF6004)  
Demo Discopy (available without a contract) (A1404)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**NOTE:** This is an unsupported product.

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### PAYROLL (10K) HDA

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**DESCRIPTION:** The Series 60 Level 61/Series 50 Payroll (10K) System computes gross pay using several compensation methods; it maintains, calculates and deducts taxes and voluntary deductions and prepares accurate payroll checks. Several rates can be used in calculation of pay for each employee and payroll costs can be distributed to an unlimited number of cost centers. Government payroll tax requirements are met and an improved design of tax deduction algorithms is provided for easy maintenance. Each employee can have an unlimited number of deductions and several pay frequencies are provided. Check reconciliation is included with this system.

Features include:

- o Deductions may be computed on several bases
- o Federal and state tax routines maintained
- o Simplified payroll tax maintenance
- o Sixteen voluntary deductions for each employee/pay
- o Choice of several pay cycles
- o Unlimited distribution to labor accounts
- o Pay for an employee can be comprised of several elements
- o Interfaces with General Ledger System

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 61 central system with 10K bytes of memory
- o 128-position printer

- o Card reader
- o Two disk units

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL71)  
Financial Management System (AL70)  
Handbook (Draft available from Industry Marketing)  
Sales Presentation Material, including vugraphs (available from Marketing Manager)

**SHIPPING MEDIUM:** Discopy (AAF0004)  
Demo Discopy (available without a contract) (A1410)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROCEDURE:** Minimum license term is 12 months.

**PAYROLL TAX MAINTENANCE (10K) HDA**

**DESCRIPTION:** This is a payroll tax maintenance service for existing federal and state tax routines in the Series 60 Level 61/Series 50 Payroll (10K) (AAF0004).

- MINIMUM HARDWARE REQUIREMENTS:**
- o Series 60 Level 61 central system with 10K bytes of memory
  - o 128-position printer
  - o Card reader
  - o Two disk units

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL71)  
Financial Management System (AL70)  
Handbook (Draft available from Industry Marketing)  
Sales Presentation Material, including vugraphs (available from Marketing Manager)

**SHIPPING MEDIUM:** Program changes sent direct to subscriber (AAF6011)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is Fiscal Year December through November.

**SERIES 50 PAYROLL TAX MAINTENANCE (DISK) (5K) HDA**

**DESCRIPTION:** This is a payroll tax maintenance service for existing federal and state tax routines in the Series 50 Payroll (Disk) (5K) (A5006). This payroll system has been removed from the product line.

- MINIMUM HARDWARE REQUIREMENTS:**
- o Model 58 central system with 5,000 bytes of memory
  - o Card reader
  - o Two disk units
  - o 10-position display screen
  - o 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**DOCUMENTATION:** Product Brief (BK36)  
Implementation Guide (AC63)

**SHIPPING MEDIUM:** Program changes are sent direct to subscriber (AAF6006)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** The minimum license term is Fiscal Year December through November.

**G-115 PAYROLL SYSTEM (CARD) HDA**

**DESCRIPTION:** The G-115 Payroll System is designed and fully coded as a 4K generalized card payroll system. It handles all the normal accounting functions for a salaried or hourly payroll operation except the printing of payroll checks and calculation of state tax.

- MINIMUM HARDWARE REQUIREMENTS:**
- o Model G-115 central processor with 4096 bytes of memory
  - o 300-cpm card reader
  - o 300-cpm card punch
  - o 300-lpm printer

**OPERATING SYSTEM:** Basic APS (Assembly Programming System)  
Card Management  
BIOS (Basic Input/Output System)  
List and Summarize  
Reproduce and Gang Punch  
General Subroutines and Utility Program

**DOCUMENTATION:** G-115 Payroll System 4K (Card)  
Introduction and User Manual (BS78)

**SHIPPING MEDIUM:** Source Cards (A5105)  
Object Cards (ASL100) (Q1002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

MANUFACTURING

**GENERALIZED JOB COSTING FDA**

**DESCRIPTION:** The Generalized Job Costing System provides variety of cost analysis reports; the system consolidates all transactions for a job/operation or project/item and shows job-to-date costs, current period costs, unit cost-to-date, cost variances from original or revised budgets (bid data), and cost variances based upon quantity or percentage completion.

All costs are kept by the categories of Labor, Equipment, Materials, Services and Overhead (LEMSO). Provision has also been made to distinguish between fixed and variable costs. Overhead costs can be applied automatically by job or manually by particular item. In the automated application of overhead, each job/project carries an overhead percentage factor that is added to each LEMSO cost element.

The system has a multilevel data base structure whereby all operations/items for each job/project can be reported separately or summarized to job/project level reports.

The sources of the data used in this system are Payroll and Accounts Payable. Interface program modules are available to receive data directly from the (5K) Accounts Payable and Payroll Systems.

- MINIMUM HARDWARE REQUIREMENTS:**
- o Series 60 Level 61 central processor with 5K bytes



## FABRICATION/TRANSPORTATION EQUIPMENT

of memory available for the user partition

- o Two disk units
- o 128-position printer
- o Card reader
- o Console

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Product Brief (AR37)  
System Handbook (AR36)

**SHIPPING MEDIUM:** Card Image Tape (AAM6006)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

- NOTES:**
1. This program product is provided on an "as is" basis in source, in machine readable form. Paragraph D of the supplement is not applicable.
  2. Upon completion of the 18 month period under the "18 month paid-up license" alternative, customer obtains a fully paid-up license to use the program product.

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### **JOB COSTING**

**ARI**

**DESCRIPTION:** The system accumulates costs by job number, part number, department, and totals. It also produces employee performance analysis and costs on parts produced at the end of a given period.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 10K bytes of memory
- o Two disks

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 11 0270

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### **INVENTORY MANAGEMENT SYSTEM**

**HDA**

**DESCRIPTION:** This computer application helps acquire materials and schedule the flow of inventory throughout the manufacturing operation. The system is made up of two modules. Module one, inventory reporting/bill of material, generates the following; multilevel indented parts list, single level parts list, where-used lists and an inventory status report. Module two, requirements planning, generates the following reports: Open Orders/Open Demand Report, Closed Orders/Closed Demand Report, Item Status Report, Material Requirements Report and Order Bill of Material.

This coded system is characterized by a highly structured format for ease of implementation plus considerable input/output flexibility to accommodate varying requirements. It is supported by comprehensive documentation and training; periodic program maintenance is furnished for the current revision of the system, provided it is not modified by the user.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 central system with 5,000 bytes of memory
- o Disk subsystem
- o 128-position printer
- o Card reader
- o Punch (optional)

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Sales Brochure (AK86)  
Product Brief (AB12)  
Product Brief (AJ89)  
Summary Description (AK37)  
System Handbook (AK42)

**SHIPPING MEDIUM:** Inventory Reporting/BOMP (AAM0002)

Material Requirements Planning (AAM0003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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### **PAYROLL TIME CARDS**

**ARI**

**DESCRIPTION:** This online program prints time cards for all active hourly employees. Other parameters for selecting employees can be included. This program can interface with the employee master file as defined in the Honeywell payroll package or with the user's own employee master file.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 5K bytes of memory
- o Two disks

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option negotiable.

**I.D. NUMBER:** 1 11 0320

## FABRICATION/TRANSPORTATION EQUIPMENT

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### **BOM-PART-MASTER DATA BASE**

**ARI**

**DESCRIPTION:** This system consists of 16 programs that provide Parts listing, Total Indented Bill of Material (BOM) and Where-used Listing as well as the following information:

Part Number	Revision
Description	Material cost (dollars)
Labor cost (hours/dollars)	Stock location
Quantity on hand	Minimum order quantities
Maximum Order quantities	Lead time
Unit of measure	Total customer orders
Total P/O quantity	Total lot quantity
Quantity reserved	Usage-to-date
Make or buy codes	

NOTE: The part master is used by all systems in this series (ARI Numbers 1110154, 1110155, 1110156 and 1110157).

The BOM system provides the planning department with needed information. In addition to component parts, it provides for tooling, drawing and/or specifications, vendor/government-furnished parts and other "nonpart" inputs.

Revision changes on the part-master data base are automatically "found" on every parts list on file and a new parts list is printed reflecting the latest revisions.

Input to the bill-of-material input is by "single level." A single level parts list may be called by any number of higher or lower assemblies. Planners need not concern themselves with "goes into" functions as the programs provide all necessary structuring.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Level 61 central system with 5K bytes of memory
- o Two disks
- o Card punch

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Flow charts, file layouts, individual program documentation, card layouts, operator instructions

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 11 0154

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**MANUFACTURING PLANNING** **ARI**

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**DESCRIPTION:** These four programs allow for a complete set of instructions of a manufacturing work flow, including:

- o Operation number
- o Operator instructions
- o Tooling required
- o Part number and revision
- o Quality control/inspection points

**MINIMUM HARDWARE REQUIREMENTS:**

- o Level 61 central system with 5K bytes of memory
- o Two disks
- o Card punch

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Flow charts, file layouts, individual program documentation, card layouts, operator instructions

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 11 0157

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**PURCHASE ORDER SYSTEM** **ARI**

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**DESCRIPTION:** This system contains 15 programs that list and maintain Customer Orders and Shipments, Open Purchase Orders; provide automatic Shop Order Release including printed Parts List, printed Manufacturing Planning and punched Stock Release Cards.

NOTE: The BOM/Part-Master Data Base System must be operational before implementing this system.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Level 61 central system with 5K bytes of main memory
- o Two disks
- o Card punch

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Flow charts, file layouts, individual program documentation, card layouts, operator instructions

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 11 0155

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**WORK-IN-PROCESS SYSTEM** **ARI**

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**DESCRIPTION:** There are 24 programs in this system that control lot and work orders and provide product cost reports separated by labor and material and cost each top assembly.

A detailed breakdown of each lot follows:

- Employee number
- Total hours charged (regular and O.T.)
- Extended actual cost
- Job number (customer order number)
- Part number
- Quantity completed
- Lot number
- Split number

The work-in-process system provides labor distribution reports and punches cards for direct input to the Honeywell Payroll System.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 central system with 5K bytes of memory
- o Two disks
- o Card punch

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Flow charts, file layouts, individual program documentation, card layouts, operator instructions

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 11 0156

## RETAIL/WHOLESALE TRADE

### RETAIL/WHOLESALE TRADE

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#### ACCOUNTS PAYABLE ARI

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##### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 61 central system with 5-10K bytes of memory
- o Two disks
- o Card reader
- o Printer

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 32 0180

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#### ACCOUNTS RECEIVABLE ARI

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**DESCRIPTION:** A "balance carried forward" system eliminates large manual card handling operations. The system provides the following:

On a daily basis:

- o Detail balance report of input data
  - Store charges, sales
  - Payment
  - Freight credits or debits
  - Advertising credits or debits
  - Miscellaneous credits or debits
  - Journal entries
  - Cash disbursements
  - Special sales category, credits, and debits
- o Credit or debit memos are generated by the system, and balanced against the detail input data report.
- o Freight credit and debits may be entered in a special format that allows the system to check the manual extensions of rate and weight shipped. Credit and debit memos are then generated as part of the normal operation.
- o Invoices summary files are transferred to the Accounts Receivable System. A balance total for each invoice file transferred provides the means of control.

On a monthly basis:

- o Detail balance report by type of input data. Includes a detail list of all invoices generated during the month.
- o Detail report by customer showing all the month's transactions, the customer's previous balance, and new aged balance.
- o A monthly detail statement to mail to the customer listing prior balance, all detail transactions during the month, and new aged balance.
- o Aged Customer Trace: A detailed customer Master File Listing showing all information retained for the customer, including:
  - Sales month and year-to-date
  - Late payment total
  - Prior balance (5 categories)
  - Present balance (5 categories)
  - Last month's payments, charges, and credits

-- Credit limit

-- Last payment and charge, amount, and date

- o Aged Trial balance management analysis report showing the aged balance for each account. Five categories of aging identify accounts, or branch stores, as potential problem areas. The exception phase lists only those over limit, or past due accounts. The report contains information necessary for customer evaluation, including last charge and payment, amount and date. This report is used to isolate problem areas at month end.

A second report is utilized after month end to show the response during the month. The second report contains the adjusted balance, payments, and charges since the last aging report.

- o Branch Accounts Receivable History is a monthly, and year-to-date analysis of branch store accounts receivable. An "All Branch Stores" summary page compares the monthly trend of aging categories.

##### MINIMUM HARDWARE REQUIREMENTS:

- o Model 58 central processor with 10K bytes of memory
- o Two disks (DSS058)
- o Card reader
- o 128-position printer
- o 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample records/reports, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 32 0313

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#### BANK RECONCILIATION ARI

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**DESCRIPTION:** A short system design to compare the store deposits (shown on the daily sales) with the bank monthly deposit sheets and a second bank daily transfer sheet. Eliminates manual comparison of the detail records required for a large number of branch store deposits.

A detail listing provides a balance to each of the three input documents. A balance report of unmatched items provides for an easy method to check those items in error, or involved in a document timing problem.

##### MINIMUM HARDWARE REQUIREMENTS:

- o Model 58 central processor with 10K bytes of memory
- o Two disks (DSS058)
- o 128-character printer
- o Card reader
- o 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**SPECIFIC PROVISIONS:** Maintenance available in Indiana and Illinois as a separately priced item.  
**I.D. NUMBER:** 1 32 0333

**BEER ROUTE SALES** **ARI**

**DESCRIPTION:** This system consists of 20 programs that provide a daily report of sales by package and by route and totals by warehouse.

Other reports include:

- o Daily cash reconciliation by route
- o Breakdown of cash receipts, daily stock, critical inventory and on order and sales averaged by warehouse
- o Monthly beer received from brewery by package, invoice, date, etc.
- o Monthly customer sales reports by route and package and comparison to last years sales

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central system with 10K memory
- o Two disk units
- o Card reader

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 32 0048

**BILLING SYSTEM** **ARI**

**DESCRIPTION:** This short system was developed to produce invoices on a batch basis. The items shipped are keypunched and entered to a batch, balance system. Items not meeting all product and customer restrictions are noted for correction.

A summary of the invoices generated is retained on disk, by invoice, and product. Monthly reports include detail analysis of all shipments by customer and summary analysis of all products shipped. Master customer listings and labels for mailing are generated as part of this system.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 10K bytes of memory
- o Two disks (DSS058)
- o Card reader
- o 128-position printer
- o 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 32 0317

**BRANCH CUSTOMER ANALYSIS** **ARI**

**DESCRIPTION:** This is a short method to determine the margin of profit for a customer or store. The daily sales tickets are entered by product and customer in the system. Cost and profit margins are developed and retained on disk files. The detail balance report helps ensure the accuracy of the input data.

The system includes:

- o Month-end sales and margin detail and summary analysis by store and customer.
- o Month-end sales and margin detail and summary report for each product and family of products.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 10K bytes of memory
- o Two disks (DSS058)
- o Card reader
- o 128-position printer
- o 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 32 0316

**BRANCH INCOME STATEMENT** **ARI**

**DESCRIPTION:** The Income Statement is developed by internal disk file manipulation. The Sales Summary files, Accounts Payable, and Ledger files provide the major portion of data required for the system. The Branch Ledger portion of the system provides a detail balance against the Accounting Control Ledger. The information is then available for the generation of the Branch Income Statement.

The Statement has three main categories, all shown as a variance comparison to the same time period last year:

- o Sales Comparison by month and year-to-date
- o Payroll and other expenses, comparison of month and year-to-date with a percentage of sales.
- o Profit and loss analysis, and summary of detail shown above.

The reports are by individual branch with an all branch summary.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 10K bytes of memory
- o Two disks (DSS058)
- o 128-character printer
- o Card reader
- o 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

## RETAIL/WHOLESALE TRADE

**SPECIFIC PROVISIONS:** Maintenance available in Indiana and Illinois as a separately priced item.

**I.D. NUMBER:** 1 32 0334

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### FUEL AND MILEAGE REPORTING ARI

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**DESCRIPTION:** Fuel and Mileage consists of a series of 12 programs using four disk files. The primary index for the files is the date of the transaction and a computer generated sequence number. Input into the system is by card, which contains information obtained from trip tickets prepared by the drivers and copies of their fuel purchases.

An important feature of these programs is that the information is entered once to generate monthly, quarterly, and annual report files.

The edit report lists the transactions by fleet by vehicle and will print "\*\*\*" after each trip transaction if beginning miles are greater than ending miles. It also computes mile-per-gallon and price-paid-per-gallon averages. Indicated errors will be readily apparent on this report and those units needing maintenance or drivers needing further training will be shown.

Another report presents the information needed for individual state Motor Fuel Tax Reports. This tax program may be executed with the monthly or quarterly files.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 10K bytes of memory
- o Two disks
- o Card reader
- o 128-position printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL or COBOL

**DOCUMENTATION:** Flow charts, operating instructions, file/record descriptions, sample reports

**SHIPPING MEDIUM:** No. 5081 standard card

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Specify programming language when ordering.

**I.D. NUMBER:** 1 32 0299

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### GENERAL LEDGER ARI

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**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 central system with 5-10K bytes of memory
- o Two disks
- o Card reader
- o Printer

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 32 0010

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### HISTORICAL STORE SALES ANALYSIS ARI

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**DESCRIPTION:** If the user has the disk capability, he will find it beneficial to follow up the Basic Store Sales

Analysis (I.D. Number 1 32 0309) with several reports designed for management.

The Branch Distribution Report is developed from the month-to-date summary information and historical sales information. The report provides management with a comparison, by store, of current and past sales information; a comparison to budgeted sales is also available.

The Percentage Report is a percentage breakdown, by store, of sales within a product category. The report compares current month to last year, and summarizes to quarterly and year-to-date analysis.

A price level breakdown develops patterns for analysis at any one store. Again, the month, quarter, and year-to-date comparisons to last year isolate individual problems at any one store.

A summary page for all stores is included for overall price and product sales analysis.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 10K bytes of memory
- o Two disks (DSS058)
- o Card reader
- o 128-position printer
- o 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 32 0310

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### INVENTORY REPORTING ARI

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**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 central system with 5-10K bytes of memory
- o Two disks
- o Card reader/printer

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 32 0082

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### INVENTORY REPORTING (5K) HDA

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**DESCRIPTION:** The Series 60 Level 61/Series 50 Inventory Reporting (5K) System features the ability to produce an Inventory Availability Report and Inventory Status Report while maintaining the Inventory Master File. Also, the system processes customer orders, issue orders, purchase orders, receipts, returns, inventory adjustments, lost sales and group transfers.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 central system with 5000 bytes of memory

- o Card reader
- o Two disk units
- o 10-position display screen
- o 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Product Brief (BK36)  
Implementation Guide (AC59)

**SHIPPING MEDIUM:** Cards (A1419)  
Demo Discopy (A1403)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

**INVENTORY REPORTING 58 (CARD) HDA**

**DESCRIPTION:** Inventory Reporting 58 is a card-oriented application solution. The system features the ability to produce an Inventory Availability report and Inventory Status report while maintaining the Inventory Master file. Also, the system processes customer orders, issue orders, purchase orders receipts, returns, inventory adjustments, lost sales and group transfers.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 5000 bytes of memory
- o Card reader
- o Card punch
- o 10-position display screen
- o 128-position printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

**MANAGEMENT BILLING HISTORICAL SYSTEM ARI**

**DESCRIPTION:** Management reports of historical information retained by the Billing System enable customer and product analysis. The reports include:

- o Sales, margin, and percent margin are shown for monthly and year-to-date values. A comparison is shown between present and last year's values. This format is used for analysis reports by customer, salesman, and product.
- o The product usage, by month, is used to calculate expected usage for a given lead time based on the last 15 months' historical usage patterns and the present inventory level.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 10K bytes of memory
- o Two disks (DSS058)
- o Card reader
- o 128-position printer
- o 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 32 0312

**MANAGEMENT BILLING SYSTEM ARI**

**DESCRIPTION:** The Management Billing System generates invoices from a previously defined Order Entry System (not included as part of this system). Due to the flexibility of input, the client may wish to specify a specific type of Order Entry System consistent with a particular operation.

Quotes are handled as a special entry in the system. All items billed at a quoted price are retained for special quote month-end reports by customer and product.

The system includes the following detail reports:

- o Invoice
- o Monthly sales and margin detail by invoice and customer
- o Monthly sales and margin detail by product
- o Quote analysis by product and customer
- o Customer name and address listing
- o Labels of customer name and address for mailing

The month-end reports build disk files required for management historical reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 10K bytes of memory
- o Two disks (DSS058)
- o Card reader
- o 128-position printer
- o 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 32 0311

**ORDER ENTRY-INVENTORY CONTROL ARI**

**DESCRIPTION:** An inventory file maintains sales history by month for 20,000 items. Order entry is by card or keyboard, and inventory is reduced before preshipment invoicing. In addition to inventory control the system has all corporate accounting functions including accounts receivable, accounts payable, payroll, and general ledger.

**MINIMUM HARDWARE REQUIREMENTS:**

## RETAIL/WHOLESALE TRADE

- o Model 58 central processor with 10K bytes of memory
- o Two disks

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL – MiniCOBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 32 0256

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### PAYROLL

ARI

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 61 central system with 5-10K memory
- o Two disks
- o Card reader
- o Printer

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 32 0086

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### PRINT PRICE BOOKS

ARI

**DESCRIPTION:** Develops a detail price book from a previously defined product file. The printed copy may be duplicated for distribution to sales personnel.

The book headings may be separated by product, family, or a predefined classification.

The system retains, on disk, the prices of the originally generated price book. Comparing this file to a revised product file, the system identifies those items incurring a price change. A price change to any product on a page causes the system to generate a new replacement page. Any item incurring a price change is noted by a special character printed next to the new price.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Model 58 central processor with 10K bytes of memory
- o Two disks (DSS058)
- o Card reader
- o 128-position printer
- o 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operation instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 32 0314

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### SALES ORDER PROCESSING

FDA

**DESCRIPTION:** The Sales Order Processing System is a flexible, modular, comprehensive series of computer programs designed primarily for the wholesale distribution

environment. The system design takes advantage of the direct access and keyboard entry features of the Model 58 hardware. It is programmed entirely in MiniCOBOL, and operates under control of DOS I.

In the highly competitive atmosphere of today's distribution environment, the degree of customer service can mean success or failure. This system is an effective vehicle for ensuring the required competitive level of customer service at a cost that is economically feasible. The Sales Order Processing System accomplishes this goal by doing more than just order processing. It provides the user an automated control capability over the following five basic functions:

- o Order Entry
- o Shipping
- o Inventory Control
- o Billing
- o Receivable Control

Perhaps the most significant aspect of the system is that once the data base is established, this monitoring can be accomplished for the most part by a one-time order entry.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 61/Model 58 central system with 5000 bytes of memory
- o Card reader
- o Disk system
- o 10-position display screen
- o 128-position printer

**OPERATING SYSTEM:** DOS I

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Product Brief (AP55)  
System Handbook (2 Volumes) (AP97)

**SHIPPING MEDIUM:** Card Image Tape (AAD6005)  
Demo Discopy (Available without a contract) (A1406)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 18 months.

- NOTES:**
1. This program product is provided on an "as is" basis in source, not machine readable, form. Paragraph D of the supplement is not applicable.
  2. Upon completion of the 18 month period under the "18 month paid-up license" alternative, customer obtains a fully paid-up license to use the program product.

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### SALES ORDER PROCESSING (DISK)

REFERRAL

**DESCRIPTION:** The Melhado Order Processing System is designed specifically for candy/tobacco distributors. Created by people with more than 25 years of experience in tobacco wholesaling, the system provides basic order entry functions including direct invoicing, open item accounts receivable, and an aged trial balance with a 15-day aging period.

Current programming also provides for such items as customer discount variations, special pricing, special discounts, sales taxes where necessary, and special instructions to warehouse and drivers.

Specific program modules include the following:

- o Order entry and invoicing
  - Order entry
  - Order picking work sheets
  - Order changes
  - Invoicing
  - Driver trip listing
  - Direct invoicing
- o Accounts receivable
  - Invoices
  - Credits and adjustments
  - Cash receipts
  - Sales journals
  - Accounts receivable activity report
  - Salesmen's weekly collection sheets
  - End-of-month programs

In addition, the system supplies both daily and monthly inventory reports as well as providing order file control.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 50 central system with 5000 bytes of memory
- o Card reader
- o Disk system
- o 10-position display screen
- o Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Available from Control Programming, Inc.

**SHIPPING MEDIUM:** System furnished by Control Programming, Inc.

**ORDERING PROCEDURE:** Contact Marketing Manager, MS 495.

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**STORE INVENTORY REPORTS ARI**

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**DESCRIPTION:** A combination of computer and source document interaction allows for a minimum of manual involvement. The product computer disk files generate an inventory list suitable for printer or photocopying and for use by the store personnel to list the quantity in inventory. The minimum amount of data is then key-punched and entered in the computer system.

This method of data handling reduces the keypunch requirements of previous computerized systems by approximately 90%.

A series of detail reports are generated for analysis of products in inventory, discontinued items, outdated stock, and physical location, by store, for each item carried in inventory.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 10K bytes of memory
- o Two disks (DSS058)
- o Card reader
- o 128-position printer
- o 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 32 0315

---

**STORE SALES ANALYSIS ARI**

---

**DESCRIPTION:** The system gives a detail analysis of daily balance sheets for each store. A series of internal computer balance checks provides efficient control of daily input data.

The detail data is then retained on disk storage for a weekly, month-to-date, and monthly reporting systems. The reports are in three sections:

- o Cash, charge, charge card sales, and dollars available for collection and deposit
- o Analysis of sales by product classification, with a maximum of six product categories
- o Analysis of sales by price, with a maximum of four levels

The month-end reports generate the disk files required for historical management reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 10K bytes of memory
- o Two disks (DSS058)
- o Card reader
- o 128-position printer
- o 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Operating instructions, file/record descriptions, keypunch instructions, sample reports/forms, system flow charts

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana or Illinois as a separately priced item.

**I.D. NUMBER:** 1 32 0309

**BANKING/FINANCE**

---

**ACCOUNTS RECEIVABLE ARI**

---

**DESCRIPTION:** The system provides:

- o Cash receipts, transfers, changes
- o Daily cash list
- o Eligibility update
- o Eligibility print file
- o Eligibility list
- o Employee eligibility ledger inquiry
- o Business agent's district list
- o Business agent's employee status card
- o Accounts receivable audit trail
- o Employee quarterly accounts receivable inquiry
- o Owner contributions for government report
- o Statement status inquiry
- o Refund list
- o Zero-out owner amount for new fiscal year



## BANKING/FINANCE

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 61 with 26K bytes of memory
- o Three disks (MSU0310)
- o Cassette tape
- o 300-lpm printer
- o 24K extended memory 200-cpm card reader console
- o Four remote terminals

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 41 0284

---

### BILLING

ARI

**DESCRIPTION:** This system produces:

- o Original billing statements
- o Print owner billing register
- o Print employee billing register
- o Print owner name/address list
- o Print employee name/address list
- o Bump quarter, year, eligibility date
- o Purge original statement – replaced by rebill
- o Purge A/R due to employee/building status
- o Print past due statements
- o Create past due file
- o Address look-up
- o Building/owner/employee inquiry
- o Owner/building inquiry
- o Print employee address labels
- o Print owner address labels
- o Print error file list
- o Print district changes
- o Print employee job listing
- o Rebill current quarter
- o Rebill past quarter
- o Disk file to printer

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 61 with 26K bytes of memory
- o Three disks (MSU0310)
- o Cassette tape
- o 300-lpm printer
- o 24K extended memory 200-cpm card reader console
- o Four remote terminals

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 41 0280

---

### BRANCH INCOME STATEMENT

ARI

**DESCRIPTION:** The Income Statement is developed by internal disk file manipulation. The sales summary files, accounts payable, and ledger files provide the major portion of data required for the system. The branch ledger portion of the system provides a detail balance against the accounting control ledger. The information is then available for the generation of the branch income statement.

The statement has three main categories, all shown as a variance comparison to the same time period last year:

- o Sales comparison by month and year-to-date
- o Payroll and other expenses, comparison of month and year-to-date with a percentage of sales

- o Profit and loss analysis, and summary of detail described above.

The reports are by individual branch with an all branch summary.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 50 Model 58 central processor with 10K bytes of memory
- o Two disks (DSS58)
- o 128-character printer
- o Card reader
- o 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available in Indiana and Illinois as a separately priced item.

**I.D. NUMBER:** 1 41 0334

---

### COMPOUND INTEREST CALCULATION (CARD)

HDA

**DESCRIPTION:** The Compound Interest Calculation program calculates the amount of money that accumulates after X amount of years at Y annual interest rate compounded at Z times per year. In addition, the program gives the user the capability to add deposits to the principal at the beginning of each subsequent year.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 50 Model 58 with 5000 bytes of memory
- o Printer
- o Card reader

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Compound Interest Calculation Reference Manual (CAP02)

**SHIPPING MEDIUM:** Cards or CIT (A1602)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is a contributed application (CAP) and is an unsupported product.

---

### DELINQUENCIES

ARI

**DESCRIPTION:** This system provides:

- o Print accounts receivable delinquency report
- o Print business agent's delinquency report
- o Business agent's delinquency print file
- o Delinquency comparison report
- o 1st and 2nd collection letters
- o Employee delinquency letter

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 61 with 26K bytes of memory
- o Three disks (MSU0310)
- o Cassette tape
- o 300-lpm printer
- o 24K extended memory 200-cpm card reader console
- o Four remote terminals

**OPERATING SYSTEM:** Disk  
**PROGRAMMING LANGUAGE:** COBOL  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**I.D. NUMBER:** 1 41 0281

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**FILE MAINTENANCE** **ARI**

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**DESCRIPTION:** File Maintenance handles the following:

- o New statement numbers
- o Corrected social security number
- o Paid receivables purged into history file
- o Inactive building masters purged
- o Delinquent history
- o Employees purged on building history file
- o Inactive employees purged
- o Inactive owner masters purged
- o Adds to employee/building master file
- o Adds to employee master file
- o Adds to owner master file
- o Building master inquiry/update
- o Employee on building update
- o Employee master inquiry/update
- o Owner master inquiry/update

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 with 26K bytes of memory
- o Three disks (MSU0310)
- o Cassette tape
- o 300-lpm printer
- o 24K extended memory 200-cpm card reader console
- o Four remote terminals

**OPERATING SYSTEM:** Disk  
**PROGRAMMING LANGUAGE:** COBOL  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**I.D. NUMBER:** 1 41 0283

---

**LOAN AMORTIZATION (CARD)** **HDA**

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**DESCRIPTION:** The Loan Amortization System consists of two programs. The first computes the monthly payment given amount of loan, interest rate duration of loan (in years) and date of first payment. The second prepares an amortization listing showing principal, interest, amount due, date due and payment number. In addition, the program provides interest and principal paid on an annualized and to date basis.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 50 and Model 58 with 5000 bytes of memory
- o Printer
- o Card reader

**OPERATING SYSTEM:** DOS  
**PROGRAMMING LANGUAGE:** MiniCOBOL  
**DOCUMENTATION:** Loan Amortization Reference Manual (CAP03)  
**SHIPPING MEDIUM:** Cards or CIT (A1603)  
**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.  
**SPECIFIC PROVISIONS:** NOTE: This is a contributed application (CAP) and is an unsupported product.

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**PENSION** **ARI**

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**DESCRIPTION:** This system provides:

- o Pension ledger inquiry
- o W2-P's
- o Pension check overflow
- o Pension checks
- o Pension check register
- o Pension payments inquiry
- o Pension checks reconciliation
- o Outstanding pension checks
- o Manual check entry

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 with 26K bytes of memory
- o Three disks (MSU0310)
- o Cassette tape
- o 300-lpm printer
- o 24K extended memory 200-cpm card reader console
- o Four remote terminals

**OPERATING SYSTEM:** Disk  
**PROGRAMMING LANGUAGE:** COBOL  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**I.D. NUMBER:** 1 41 0282

---

**STOCKBROKER REPORTING** **ARI**

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**DESCRIPTION:** Input for these programs is from the purchase-sale confirmations, blotter record (security movement), deposit, and checks. They record all securities-related transactions from inception through to final disposition. The monthly reports compute and print a journal entry of balanced debits and credits for posting to the general ledger.

The reports are open item as opposed to balanced forward. At any time during the month, program BCI051 may be executed to print out the status of all customers accounts. The detail of the entries and the balances are for both the securities to be delivered or received and the dollar amount to be paid or received. At month end, the open file is purged of any transactions that have a zero balance in both the security account and the dollar amount.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 10K bytes of memory

**PROGRAMMING LANGUAGE:** COBOL and MiniCOBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**I.D. NUMBER:** 1 41 0298

**MEDICAL**

---

**HOSPITAL ACCOUNTING SYSTEM—HAS/61** **FDA**

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**DESCRIPTION:** The HAS/61 is an integrated patient accounting system for hospitals and similar health care facilities. It includes the census, billing, accounts receivable, payments/adjustments and revenue functions. HAS/61 processes both inpatients and outpatients. Processing capabilities include:

## **.MEDICAL/EDUCATION**

- o Complete inpatient, outpatient, and accounts receivable processing
- o Extensive occupancy, revenue, and third-party statistics
- o Wide range of audit controls
- o Automatic room and board charges
- o Automatic pricing of goods and services
- o Automatic final billing
- o Automatic transfer of discharged accounts to accounts receivable
- o Automatic zero balance purging
- o Cost control and forecast reporting
- o Bad debt processing
- o Budget payment processing

### **MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 with 5K bytes of memory
- o Card reader
- o 10-position display screen
- o 128-position printer

**OPERATING SYSTEM:** GCOS Level 61

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Implementation Guide Vols. 1 & 2 (AT60)

Operator's Guide (AT61)

Product Brief (AK99)

Summary Description (AN01)

Honeywell's Hospital Accounting System – a Remedy for Paperwork (AT76)

**SHIPPING MEDIUM:** Card image tape (AAH0008)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term: 18 months. Upon completion of the 18 monthly license payments under the "18 month paid up license" alternative, the customer obtains a fully paid up license to use the program product. This program product is provided on an "as is" basis in source form.

---

## **MEDICAL BILLING SYSTEM ARI**

**DESCRIPTION:** This system handles billings to all major insurance sources. These include: Medicare, Medicaid, Blue Shield, private patient, direct account billing, and all other insurance printed on an approved American Medical Association form. Provision has also been made to handle patients with multiple insurances. Auxiliary reports to the system include: input audit list, accounts receivable, trial balance, rejection report, gross and net sales reports, frequency reports. The system interfaces with the Medical Laboratory Reporting system (see I.D. Number 2 76 0264).

### **MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 10K bytes of memory
- o Disk
- o Card reader
- o 128-position printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURES:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0294

---

## **MEDICAL LABORATORY REPORTING ARI**

**DESCRIPTION:** Lab accession numbers are assigned when the specimen is received by the laboratory. The information is entered through terminal(s) including accession number, account number, patient name, sex, age, STAT, and tests ordered. The system edits all data and the following reports are then generated:

- o Lab work sheets
- o Log sheets
- o STAT log

Log results are then entered via CRTs or cards updating patient results and producing audit trail and edit. The system produces abnormal result list, highly unusual result list. The produced doctor's report flags high and low results. The system interfaces with the Medical Billing System (see I.D. Number 2 76 0294).

### **MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 10K bytes of memory
- o Disk
- o Card reader
- o 128-position printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING INFORMATION:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0264

## **EDUCATION**

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## **ADMINISTRATIVE GUIDE ARI**

**DESCRIPTION:** This manual will assist a school administrator in the construction of the Master Schedule. Contains: responsibilities of the timetable for school administrators; preplanning; articulation; explanation of output reports for Phase I; detail explanation of preliminary analysis of the scheduling process; description of the preliminary steps in building a master schedule; explanation of balancing; assignment of teachers; detail explanation of output reports of Phase II; master schedule simulation; logical sequential system of the manual construction of a master schedule; alternate approaches to scheduling problems; sample master program with examples.

**ORDERING PROCEDURE:** Order from ARI, 151 Needham Street, Newton, MA 02161, enclosing check for \$4.80

**I.D. NUMBER:** 9 71 0351

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## **STUDENT TEST MARKING SYSTEM (DISK) HDA**

**DESCRIPTION:** SCRIBE – Student Test Marking System handles objective test scoring (true, false, multiple choice) for grading students. The system accommodates three methods of input for student answers: punched cards, mark sense cards (if OMR option is available) or direct entry through the numeric keyboard. The system provides the following outputs: a student mark report by student, a teacher's summary of all student marks, a mark distribution curve and test statistics.

# EDUCATION/GOVERNMENT/BUSINESS AND MISCELLANEOUS SERVICES

## MINIMUM HARDWARE REQUIREMENTS:

- o Model 58 central processor with 5000 bytes of memory
- o Printer
- o Disk storage subsystem
- o Card reader with OMR optional
- o 10-position display screen

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**DOCUMENTATION:** Reference Manual (CAP28)

**SHIPPING MEDIUM:** Card Image Tape (CIT) (A5022)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative

**SPECIFIC PROVISIONS:** NOTE: This is a contributed application (CAP) and is an unsupported product.

The user assigns each unit three distinguishing series of numbers as the primary index for all files. They are fleet, vehicle and type. Each unit's master file includes the data necessary to identify the unit.

In addition to the basic information normally kept on fixed assets, the system can retain the lessee name and the detail of any loan information for each unit.

Processing information uses two files to retain all the necessary lease-to-date information. The files are used to separate the lease revenue and fixed cost from the maintenance revenue and cost. The expense account classifications include both fixed (depreciation, interest, insurance, etc.) and maintenance (labor, parts, mileage, etc.) costs.

The system uses two disk files similar to the history files to enter monthly information. An important factor in retaining a separate file for fixed cost is that monthly information is entered once. Fixed cost is updated only when a classification changes and then only for that item. This reduces monthly detail input requirements to the fixed revenue and cost.

Most generated reports provide the options of a complete listing, selected fleets only, or selected vehicles only. The monthly transaction journal for both files calculates cost per mile for each account classification for the current month and lease-to-date. The system also provides a gross profit and a gross profit percentage by unit and by fleet.

These reports afford the proper profitability analysis of each unit and each fleet.

## MINIMUM HARDWARE REQUIREMENTS:

- o Model 58 central processor with 10K bytes of memory

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 76 0300

## GOVERNMENT

### REAL ESTATE TAX BILLING ARI

**DESCRIPTION:** This system includes the maintenance programs for making changes to the Real Estate parcels. A Tax Billing System is in operation with the exception of the apportioning or distribution of incoming tax revenues. Some of the programs for the assessors subsystem are in operation, such as the summation of property values by classification.

## MINIMUM HARDWARE REQUIREMENTS:

- o Level 61 central system with 10K bytes of memory
- o Two disks
- o Card punch
- o Card reader

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 73 0011

## BUSINESS AND MISCELLANEOUS SERVICES

### FIXED ASSET REPORTING ARI

**DESCRIPTION:** The Fixed Asset Reporting System is a comprehensive series of computer programs designed primarily for the truck leasing environment. It provides an automated control capability over the following basic functions:

- o Detail identification per unit
- o Fixed revenue/cost
- o Maintenance revenue/cost

A significant aspect of the system is that once the data information is established, monitoring can be mostly accomplished by one entry into the system.

The system uses six basic data files and three report files. Information is edited when entered and processed, and the key information is compared to ensure that each unit has been provided for on each file. Messages are printed on the reports wherever there is incompatibility within the files to help ensure the reliability of the reports.

### GM COMMUNICATION INTERFACE ARI

**DESCRIPTION:** This program allows interface with the General Motors CISCO communications network. Formulation and transmission of standard CISCO headers and trailers if automatic with parameters controlled by parameter cards and numeric keyboard input. All data is card-image. The program has been tested and runs properly at 2000 baud, giving an effective transmission rate of about 100 80-character card images per minute. A modified GE-DCB10 is necessary to compile this program.

## MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 61 with 10K bytes of memory
- o Disk
- o Card reader
- o Printer
- o CPF1510 single line controller

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 76 0291

## BUSINESS AND MISCELLANEOUS SERVICES

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### PAYROLL EXTENSIONS 10K FMS ARI

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**DESCRIPTION:** This system is composed of certain additions and improvements to the 10K FMS Payroll released by Industry Marketing. Purchasers of these changes must have a license from Honeywell to use the payroll package. Most pay period programs (and some others) have been modified, in some cases drastically, to improve execution time. With ten surface disks (small drives), a 1000-transaction, 250-check payroll runs about three and one half hours, from start to finish. Improvements include:

- o Improved temporary deductions; a deduction need not be on the employee master to be submitted, and all the deduction features (name, priority, etc.) are retrained for these temporary deductions.
- o Broker payroll, including 1099 reporting (to be completed before 1977) and automatic transfer of untaken deductions between checks for the same employee.
- o Deduction listings by employee for specified deductions. Several deductions may be combined on the same listing; total by deduction and grand total are provided at the end of each deduction listing.
- o Preprocessing programs for "invoice" deductions (employee purchases). Prices, names, etc. are parameterized in a file.
- o Preprocessing programs for labor distribution time cards, allowing use of three-digit job classes which determine account number, rate number, and earnings type. All variables are parameterized in a file.
- o Modification to allow calculation of premium earnings for exception time card input, at user's discretion.
- o Improved local tax processing, including the use of four-character city abbreviations. Local tax reporting on the W-2 form is implemented; local tax interface to general ledger will be implemented if there is a demand.
- o Trip-listing check form; a program to print check that contains a list of all trips the driver completed, all fuel purchases, etc. (form is 14-7/8 x 11).

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 61 central processor with 10K bytes of memory
- o Disk
- o Card reader
- o Printer
- o Keyboard/display

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 76 0292

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### RENTAL MANAGEMENT SYSTEM ARI

---

**DESCRIPTION:** The system includes accounts receivable (used with any balance forward billing system with up to 10 fixed monthly charges), accounts payable, job costing,

inventory control, payroll and general ledger with budgets, and P and L's for up to 99 managed companies.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 5K bytes of memory
- o Two disks

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 76 0243

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### SERIES 100 SIMTAB HDA

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**DESCRIPTION:** This interpretive program generator converts 407 jobs for execution on Series 100. Conversion reports are produced in one pass.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 100 central processor with 8192 words of memory
- o Card reader
- o Printer

**PROGRAMMING LANGUAGE:** APS

**SHIPPING MEDIUM:** Cards (A5108)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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### SWIM CLUB PERFORMANCE SYSTEM ARI

---

**DESCRIPTION:** This package keeps statistics and performance records for each swim team member, producing reports of meet results and performance recaps for each type of swimming event. It also records national standards, best time, conference times, and pool records for each swimmer and each event. The reports allow the swim coach to analyze each swim team member's performance throughout the season, and select swimmers for relay events.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 58 central processor with 5K bytes of memory
- o Card reader
- o 10-position display screen
- o 128-position printer
- o Disk

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** MiniCOBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 1 76 0329

# **Section 2**

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**SERIES 60 LEVEL 62**

**SECTION 2  
SERIES 60 LEVEL 62**

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# Section 2

## SERIES 60 LEVEL 62

### FINANCIAL MANAGEMENT

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**ACCOUNTS PAYABLE** **HDA**

---

**DESCRIPTION:** The Series 60 Level 62 Accounts Payable System maintains an accurate record of outstanding liabilities for a company and provides sufficient detail to maximize discounts. It provides a forecast of the amount of short-term and long-term cash requirements, on demand. Statistical data is provided on vendors and positive identification is made of invoices paid with each draft. Accurate and unlimited expense distribution is provided. Partial payments are permitted and correctly recorded. Reconciliation of cancelled checks is provided.

Features include:

- o Modern cash management methods
- o Standard discount and terms for each vendor
- o Taxes and shipping fields provided
- o System calculated payment dates and discount
- o Discounts taken automatically when due
- o Record of discounts lost
- o Statistics provided on invoices due, but not paid
- o System reinstates payable items if check is voided
- o Permits factor processing
- o Improved vendor statistical data
- o Check print restart procedure
- o Unlimited distribution of expense
- o Interfaced with General Ledger System

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level central system with 40K of user memory
- o Printer
- o Card reader
- o Two disk units

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL73)

Financial Management System (AL70)

Handbook (AP75)

Sales Presentation Material, including vugraphs (available from Marketing Manager)

**SHIPPING MEDIUM:** Discopy (ABF0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

---

**ACCOUNTS PAYABLE** **ARI**

---

**DESCRIPTION:** This system features versatile end-of-LEVEL 62

accounting-period reports: general ledger distribution by account number, detail listing of all activity by vendor, detail check listing. Summary versions of each report are also available. Outstanding payables may be printed at any time. Payables may be selected to be paid by due date, vendor, invoice number, and/or invoice line. A detail check register is printed after each check run and a check reconciliation subsystem is provided. Discounts may be specified through vendor terms on file or be established by an inputted percentage or dollar amount. Automatic check protector spells out the amount on the checks printed.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** File layouts, system level flow charts, sample forms, prose descriptions of the operation of the system

**SHIPPING MEDIUM:** 96-column cards or diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** 100% warranty to operate as specified.

**I.D. NUMBER:** 2 01 0065

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**ACCOUNTS RECEIVABLE** **HDA**

---

**DESCRIPTION:** The Series 60 Level 62 Accounts Receivable System establishes and maintains an accurate history of customer billings and remittances. It provides sufficient detail and audit trails to answer customer inquiries and produce meaningful statements and aids the collection activity by highlighting, as early as possible, the potential problem areas and trends. Accounts Receivable monitors past-due accounts so the credit department can organize and plan collection strategy and also provide management documents in sufficient detail so that they can be used as control tools.

Features include:

- o Both balance-forward and open-item options
- o Address file contains "Bill To" plus "Sold To" or "Ship To" address
- o Automatic calculation of due dates
- o Either due date or invoice date used as base point for aging
- o Prepares statements suitable for retail store use
- o Flexibility in service charge calculation
- o Customer account flagged when allowable credit exceeded
- o New and improved method of open-item cash application reduces open-item cash application work
- o Automatic write-off of small discrepancies
- o Automatic checking of discounts taken
- o Service charge calculation
- o Credit and collection management aids
- o Statistical data automatically maintained for each customer
- o Flexible forward or backward aging analysis
- o Interfaced with General Ledger System

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central system with 40K or user memory

## FINANCIAL MANAGEMENT

- o Printer
- o Card reader
- o Two disk units

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL64)

Financial Management System (AL70)

Handbook (AP74)

Sales Presentation Material, including vugraphs (available from Marketing Manager)

**SHIPPING MEDIUM:** Discopy (ABF0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

---

### ACCOUNTS RECEIVABLE

ARI

**DESCRIPTION:** This is a complete open item receivables system. Comments may be applied (without limit) to any debit which will appear under the debit on all detail reports. Credits may be applied to specific multiple debits or the system will distribute the credit to the oldest outstanding debits. Statements may be printed as balance forward or open item with optional finance charge calculation. Listing of credits for deposit are printed for each posting run. Complete detail or summary aged reports are available. Detail reports show application of all credits to each debit. Overdue reports identify 90+, 60+, and 45+ receivables. End-of-period general ledger distribution and interface to general ledger system are included. Debits for the period may be listed by reference number. Credits posted during the period can be listed by source identifier. Multiple corporations can be included in one file. Customer listings are available by number or alphabetically. Labels may also be printed for each customer.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** File layouts, system level flow charts, sample forms, prose descriptions of the operation of the system

**SHIPPING MEDIUM:** 96-column cards or diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Software installed; training provided (extra charge); 100% warranty to operate as specified.

**I.D. NUMBER:** 2 01 0063

---

### FIXED ASSET SYSTEM

REFERRAL

**DESCRIPTION:** The system maintains complete and comprehensive records for all fixed assets in a company. It elects the depreciation method and tax regulation that optimizes cash flow and handles replacement cost accounting as required in notes to financial statements. Seven methods of depreciation are utilized: Straight line; sum-of-years digits; declining balance 125% →STL; 150% →STL; 200% →STL; declining balance 200% →SYD;

straight percentage. Separate computations of book and tax depreciation are generated as required at either detail or summary levels. Book depreciation is automatically interfaced with a company's General Ledger System to facilitate the bookkeeping process.

The system provides projection capability for short-term budgeting or long-term planning and issues easy-to-follow reports at every processing stage. It revalues and summarizes asset inventory for insurance purposes and provides a variety of user-specified reports with an easy-to-use report generator. It also calculates gains and losses on asset retirements.

The system allows a company to specify any valid combination of depreciation method and tax regulation, including the election to optimize both.

Schedules produced include:

- o 3468 Computation of Investment Credit
- o 4255 Tax from Recomputing a Prior Year Investment Credit
- o 4626 Computation of Minimum Tax
- o 4832 Class Life (ADR) System
- o 5006 Guideline Class Life System
- o 1120 U.S. Corporation Income Tax Return
- o Schedule G Depreciation
- o Schedule M-1 Book/Tax Reconciliation

This system is suitable for any company having a large number of fixed assets. If the company has been in existence for a number of years, the system will completely audit and correct their existing records as well as maintain them accurately in the future.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Level 62 central processing system

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Comprehensive documentation and source code.

**ORDERING PROCEDURE:** Contact: Marketing Manager, Financial Management Systems, MS496, Honeywell Information Systems Inc., 200 Smith Street, Waltham, Massachusetts, 02154.

**SPECIFICATION PROVISIONS:** Includes maintenance for the first year plus five days of on-site direct assistance by the software house.

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### GENERAL LEDGER

HDA

**DESCRIPTION:** The Series 60 Level 62 General Ledger System consolidates all accounting information so that financial statements can be quickly prepared to assist in management decisions. Account numbers are validated and the closing cycle minimized. Operating and income statements can be provided at several operating levels and a Key Business Ratio Report analyzes the Balance Sheet. Budget comparison is provided.

Features include:

- o Interfaced with financial management systems
- o Rapid closing at end of accounting period
- o Immediate preparation of financial reports
- o Timely information for management decision
- o Budget comparison
- o Key Business Ratio Report

- o Improved multilevel technique
- o Automatic reversal of user-identified accruals
- o Trial balance on demand
- o Multilevel income/operating statements
- o User's own chart of accounts

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central system with 40K of user memory
- o Printer
- o Card reader
- o Two disk units

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL72)

Financial Management Systems (AL70)

Handbook (AP76)

Sales Presentation Material, including vugraphs (available from Marketing Manager).

**SHIPPING MEDIUM:** Discopy (ABF0003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

---

**GENERAL LEDGER**

**ARI**

**DESCRIPTION:** The system handles up to 13 accounting periods. Budgets may be established for each period in the current fiscal year. Balance forwards and net figures for each period in the last fiscal year are retained. Various analysis programs allow comparisons of current period of year-to-date activity to budgets or last year. A flexible report generator allows the user to specify financial reports easily by indicating combinations of account values, constants, and previously defined line values that make up figures for each line of a report. The chart of accounts may be specified by the user.

Reports available include:

- o Detail trial balance
- o Summary trial balance
- o Journals
- o Reports designed using the report generator

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** 96-column cards or diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Software installed; training provided (extra charge); 100% warranty to operate as specified.

**I.D. NUMBER:** 2 01 0066

---

**PAYROLL**

**HDA**

**DESCRIPTION:** The Series 60 Level 62 Payroll System computes gross pay using several compensation methods; it maintains, calculates and deducts federal and state taxes and voluntary deductions and prepares accurate payroll checks. Several rates can be used in calculation of pay for each employee and payroll costs can be distributed to an unlimited number of cost centers. Government payroll tax requirements are met and an improved design of tax deduction algorithms is provided for easy maintenance. Each employee can have an unlimited number of deductions and several pay frequencies are provided. Check reconciliation is included with this system.

Features included are:

- o Deductions may be computed on several bases
- o Federal and state tax routines maintained
- o Simplified payroll tax maintenance
- o Sixteen voluntary deductions for each employee/pay
- o Choice of several pay cycles
- o Unlimited distribution to labor accounts
- o Pay for an employee can be comprised of several elements
- o Interfaced with General Ledger System

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central system with 40K of user memory
- o Printer
- o Card reader
- o Two disk units

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL71)

Financial Management Systems (AL70)

Handbook (AR80)

Sales Presentation Material, including vugraphs (available from Marketing Manager)

**SHIPPING MEDIUM:** Discopy (ABF0004)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

---

**PAYROLL**

**ARI**

**DESCRIPTION:** This system calculates all standard taxes. It accrues monthly, quarterly, and year-to-date figures in a form usable for tax reporting. Labor distribution by division or store detailed by general ledger account number is included. Interface to general ledger subsystem. Versatile commission calculating front end makes it particularly useful for retail businesses. Pay frequencies of weekly, biweekly, monthly, and semimonthly are included. Tax overrides, additional federal withholding, and voided checks are handled easily. Deduction registers, a check register, and check reconciliation are also available.

## FINANCIAL MANAGEMENT / MANUFACTURING

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** File layouts, system level flow charts, sample forms, prose descriptions of the operation of the system

**SHIPPING MEDIUM:** 96-column cards or diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Software installed; training provided (extra charge); 100% warranty to operate as specified.

**I.D. NUMBER:** 2 01 0067

---

### PAYROLL TAX MAINTENANCE HDA

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**DESCRIPTION:** This is a payroll tax maintenance service for existing federal and state tax routines in the Series 60 Level 62 Payroll (ABF0004).

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 central system with 40K of user memory
- o Printer
- o Card reader
- o Two disk units

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AL71)  
Financial Management System (AL70)  
Handbook (AR80)

Sales Presentation Material, including vugraphs (available from Marketing Manager).

**SHIPPING MEDIUM:** Discopy (ABF0004)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

## MANUFACTURING

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### ACCOUNTING ARI

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**DESCRIPTION:** This system provides billing, debit credit register, cash register daily inventory, average cost, weekly analysis, weekly and daily aging, weekly statement, and monthly analysis. There are 20 programs.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 12K of memory

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**DOCUMENTATION:** Complete including OCLs

**SHIPPING MEDIUM:** Cards

**I.D. NUMBER:** 2 13 0285

LEVEL 62

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### INVENTORY MANAGEMENT HDA

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#### SYSTEM EXTENDED

**DESCRIPTION:** This package consists of a set of pre-coded COBOL programs that manage the materials and resource inventory of a manufacturing business by planning, reporting and controlling the replenishment plans at all levels of the product structure. It provides satisfactory customer delivery performance while optimizing the investment in raw, in-process and finished goods.

The system consists of four subsystems:

- o Inventory Reporting/Bill of Material – provides material item and product structure maintenance and offers a wide range of reporting capabilities, which include material profile, multilevel parts list, where used reports, etc.
- o Material Requirements Planning – provides requirements and reporting capabilities. Reports include order/demand status reporting, order release and expedite reporting, etc.
- o Material Requirements Planning/Resource Inventory Planning – provides requirements/resource management and reporting capabilities. Reports include order/demand status reporting, order release and expedite reporting, etc.
- o Standard Cost Control – provides multilevel cost maintenance and reporting. Reports include cost implosion, cost analysis, etc.

The system in its entirety performs the following functions:

- o Builds and maintains a central Bill of Material file
- o Accepts gross requirements at any product structure level
- o According to the user's parameters and item types, makes a plan to satisfy gross requirements by computing time phase net requirements – supply orders – for production and purchasing
- o Performs resource planning and control for master scheduling plant simulation and order feasibility
- o Explodes net requirements through the product structure to determine components requirements
- o Controls the release and monitors the status of supply orders
- o Reacts to changes in materials requirements and inventory status by reviewing their replenishment plan
- o Allows the user to simulate the effects of any cost change and to update standard costs of assemblies and end-products by cost implosion
- o Provides exception processing and reporting

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 central processor with 48K of memory, for user partition
- o Console
- o Two disk units
- o 132-position printer
- o Card reader
- o Card punch (optional)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AM17)  
Sales Brochure (AK74)  
Summary Description (AS01)  
System Handbook (AU32)

**SHIPPING MEDIUM:** Inventory Reporting/Bill of Material (ABM0011)  
 Material Requirements Planning (ABM0041)  
 Material Requirements Planning/Resource Inventory Planning (ABM0021)  
 Standard Cost Control (ABM0031)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**JOB COSTING** **ARI**

---

**DESCRIPTION:** This complete, accurate job costing system designed by users, includes material, subcontract, billings, and routings, aiding estimators, schedulers, foremen, sales people, and executives. The system contains: shop and office routing, employee efficiency, direct labor by workcenter, indirect labor by department, indirect labor by general ledger number, daily job status, job inquiry, work-in-process, completed jobs, delinquent job report, shop load by workcenter and department, monthly costs by customer, commission by salesman, weekly sales report, and automatically calculates operation due dates.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, with 16K bytes of memory

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available.

**I.D. NUMBER:** 2 11 0359

---

**PAYROLL** **ARI**

---

**DESCRIPTION:** The system computes payroll using hourly input. Present form computes Illinois State Income Tax as well as Federal Taxes.

Program includes:

- o Employee master file – maintenance and dump programs
- o Payroll register
- o Checks
- o Credit union report
- o Quarterly payroll reports – FICA and 941
- o W-2 forms

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 12K of memory
- o Disk
- o Direct attach 3741

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 11 0257

---

**PAYROLL INCENTIVE** **ARI**

---

**DESCRIPTION:** The daily report of production from

LEVEL 62

each employee is multiplied by a standard value to give work units produced. It can be modified by charts to increase/decrease productivity. Computer produces daily posting sheets for each plant. Recaps at end of week to produce paycheck and related reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 24K of memory
- o Three disks (5440-type)
- o Remote terminals (3741 and 3715)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available.

**I.D. NUMBER:** 2 16 0199

---

**PRODUCTION SCHEDULING AND CONTROL – INFINITE** **HDA**

---

**DESCRIPTION:** The Production Scheduling and Control package is a set of COBOL programs that schedule, load, release and monitor the production in a shop environment, both on entire order and discrete operation levels.

The package consists of two subsystems;

- o Production Data Management Subsystem – maintains work centers and routing data that describes the production resources and process.
- o Capacity Requirements Planning/Production Control Reporting – schedules all operations for orders and creates, maintains and processes feedback on work-in-process data. The reporting function also monitors all phases of shop performance.

The system offers capabilities as:

- o Creation and maintenance of production data base comprised of routings, work centers and work-in-process data.
- o Work-in-process scheduling and loading to infinite work-center capacity.
- o Lot splitting and overlapping options.
- o Production control reporting, including advanced feedback features.

The package is designed to stand alone or to be integrated, through user interfaces, with other Honeywell manufacturing packages, as Series 62 Inventory Management System.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor with 40K bytes for user partition
- o Two disk units
- o 132-position printer
- o Card reader
- o Card punch (optional)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AM16)

Sales Brochure (AP28)

Summary Description (AS66)

System Handbook (AW82)

**SHIPPING MEDIUM** PSC/62 (ABM0002)

Product Data Management (ABM0012)

**MANUFACTURING / FABRICATION/TRANSPORTATION EQUIPMENT / CONSTRUCTION  
PRINTING/PUBLISHING / RETAIL/WHOLESALE TRADE**

Capacity Requirements Planning/Production Control Reporting (ABM0022)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**FABRICATION/TRANSPORTATION  
EQUIPMENT**

**BLIS** **ARI**

**DESCRIPTION:** This comprehensive management information system for material conversion manufacturing companies is installed and now working in several companies. Ideal for plastic molders, foundries, die casters, extruders, forge operations. Encompasses the areas of order entry, production scheduling, order backlogs, daily production analyses, invoicing, labor cost control, scrap cost control, inventory control, standard cost systems, accounting systems, flexed budgets, general ledger, accounts receivable and payable, and bank reconciliations. Output reports are very detailed depending upon user's preference. Edits at key points. Has ability to handle up to twenty product lines and multidivision, multiplant requirements on most systems where required. Systems can be tailored to users requirements. On site assistance to ensure proper implementation. Sold in five modules or as a package:

- o Order entry, production scheduling, backlogs, invoicing, daily production and analyses
- o Physical inventory control and scrap control
- o Standard cost system and accounting system
- o General ledger, accounts receivable and payable, bank reconciliations
- o Labor cost analyses, flexed budgets

Discounts available on two or more modules.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- o Disk

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Extensive with the modules.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 11 0355

**CONSTRUCTION**

**CRITICAL PATH SCHEDULER** **ARI**

**DESCRIPTION:** Provides the smaller computer user with a powerful scheduling technique.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Disk
- o I/O unit

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

LEVEL 62

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 17 0037

**FACTS** **ARI**

**DESCRIPTION:** This is a complete accounting system with special emphasis on payroll reports, weekly labor cost reports, and monthly summary cost reports. Shows "as bid," "as bot" (bought), and "as committed" budgets as well as costs to date and estimated costs to complete. Can be used on cash and/or accrual basis. Contains 90 programs for the general contracting industry plus certain subcontractors (mechanical, electrical, etc.) and heavy construction.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K of memory
- o Three disks

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Terminal support available.

**I.D. NUMBER:** 2 17 0215

**PRINTING/PUBLISHING**

**PUBLICATION LABELS** **ARI**

**DESCRIPTION:** Standard rate and data information publishers are required to give a sworn statement of the number of items going into 10 areas of the U.S. every six months for the "Standard Rate & Data." This becomes available to prospective advertisers. This program prepares statistics while writing the labels for a magazine. At the end of the run, it prints a total count of the labels, and totals for each of the 10 areas and each of the 50 states.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System 3/10, including 12K of memory
- o Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** As is - 4 up labels.

**I.D. NUMBER:** 2 23 0251

**RETAIL/WHOLESALE TRADE**

**ACCOUNTING** **ARI**

**MINIMUM HARDWARE REQUIREMENTS:**

Series 60 Level 62 hardware configuration comparable to System/3, including 16K

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0172

**ACCOUNTS PAYABLE** **ARI**

**DESCRIPTION:** Complete payables with multiple spreading of single invoice to eight general ledger accounts, check writing, cash requirements, daily trial balance and all necessary edits and balance controls.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 12K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Cards, disk, or diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Installation/modification available.

**I.D. NUMBER:** 2 32 0041

**ACCOUNTS PAYABLE—GENERAL LEDGER** **ARI**

**DESCRIPTION:** This system provides payables entry, financial statements at any time, detailed audit trail, due-listing for maximum discount effort, check register, checks, and the monthly journal. All inventory items are coded by item number, quantity, and "ship to," and are entered by the operator by customer.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-6, including 8K of memory
- o One removable and one fixed disk
- o 5406-302 processing unit
- o 5213-003 printer
- o 5444-001 disk storage drive

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0235

**ACCOUNTS RECEIVABLE** **ARI**

**DESCRIPTION:** Bills customers by line item on a daily basis. Creates a weekly invoice and statement of account from daily delivery tickets. Provides a quarterly profit and loss report for each account as well as monthly sales analysis and "Days on the Books" accounts receivable. Can utilize daily units delivered data for sales commission data. Also unit sales per market order for payment of raw products. Performs all rebate and discount procedures automatically.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 28K of memory
- o Two disks

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available.

**I.D. NUMBER:** 2 32 0087

**ACCOUNTS RECEIVABLE PHARMACY** **ARI**

**DESCRIPTION:** The Pharmacy Accounts Receivable System maintains two permanent files: customer master and transaction files. The system contains programs for file setup, account number generator, preparation of rolodex cards, labels and year-end analysis of finance charges and prescription amount.

There are six processing programs for:

- o Master file maintenance
- o Accounts receivable control list for editing transactions
- o Accounts receivable transaction update
- o Accounts receivable journal (aged balances)
- o Monthly maintenance — ages past due amounts and calculates financial charges
- o Statements — prints itemized statements

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 24K of memory
- o Disk
- o Printer
- o Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0135

**ASSET DEPRECIATION** **ARI**

**DESCRIPTION:** Program figures depreciation for book and tax using straight line, sum of the year's digits, double declining balance and 150% declining balance. Accepts ADR tax depreciation. Maintains prepaid and accrued expense balances, punches cards for monthly charges as direct entry to General Ledger account.

Reports become basis of personal property reports, audit reports and management of capital asset reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3 including 8K of memory
- o MFCU
- o Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option.

**I.D. NUMBER:** 2 32 0080

**BACKORDER OF INVENTORY—MULTICOMPANY** **ARI**

**DESCRIPTION:** Complete B/O (backorder) system for any inventory. Improves customer service as much as is humanly or mechanically possible in an automated environment. Produces reports for control of inventory, purchasing and management analysis, as well as customer service. Produces customer notification post cards (two-sided/two-way for customer confirmation). If run daily, an average of 50 new, 50 filled, 10 cancelled, and

## RETAIL/WHOLESALE TRADE

30 changed B/Os consume 30 minutes KP/KV, 30 minutes computer time (300 lpm printer) to produce seven reports, including Balance and Edit.

Prerequisites: Customer Master and Item Master Files (preferably indexed). Disk space is no problem for smaller disk systems. Backup procedure for history of B/O furnished. Ties in to online inventory.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to a System/3 with 8K bytes of memory
- o Disk

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete with system flowchart, record layouts, run sheets, all instructions.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SHIPPING MEDIUM:** Disk

**SPECIFIC PROVISION:** Installation and training available at negotiable price.

**I.D. NUMBER:** 2 32 0350

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### BILLING SYSTEM ARI

**DESCRIPTION:** Complete system for billing, inventory control, accounts receivable for distribution with multiple pricing by item, complete inventory with order point and turnover.

Produces open item accounts receivable, aging, statements, credit limit control. Includes sales analysis in dollars, units, return on investment, by item, customer, product line; inquiry into stock status and history information by item or manufacturer or product line.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 12K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Cards, disk or diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Installation/modification available.

**I.D. NUMBER:** 2 32 0040

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### CASH REPORTS ARI

**DESCRIPTION:** This system balances every cashier on a daily basis and prints a daily cash report by store (maximum of nine registers). A weekly cash report summary that produces General Ledger journal entries is also printed. A weekly cashier error summary report is produced showing hours worked, total error and average error per hour for each cashier for a five week period. Provides control of sales by department, taxes, food stamps, checks, cash received, charge dispenser, bottles, coupons, charges and payment of charges, voids and miscellaneous transactions, cashier over/short and hours worked.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 12K of memory
- o Disk
- o 96-column card reader
- o 132-position printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Record and printer layouts, complete keypunching, operating instructions

**SHIPPING MEDIUM:** Source programs punched in 96-column cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0107

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### CIMS ARI

**DESCRIPTION:** CIMS collects sales information by individual title or product, and stores all pertinent information by item. It produces purchase orders for all items that drop below a desired level. It also prints out inventory reports by title, author, vendor, category, and sales ranking. It provides a periodic listing by publisher of all books that should and can be returned, retains policy information on over 1500 publishers and vendors, and produces management analysis reports to determine:

- o Sales by title, author, publisher, and category
- o Ratio of sales to inventory within each category
- o Turnover analysis within each category.

If you have a group of stores, CIMS will also produce all of the above described reports for each individual store, produce combined reports for all stores, enable you to pool your orders easily and economically. It will make printouts, showing on-hands for stores in a given area in order to facilitate interstore stock exchanges, maintain both individual store files and a master file for all stores, and provide master file printouts and sales analysis reports.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 central processor with 80K of memory
- o Two disks

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Operations manual

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Training and assistance available

**I.D. NUMBER:** 2 32 0364

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### FASHION PROFIT PROCESSING ARI

**DESCRIPTION:** Complete management of fashion inventories for multiple or single store operations. Produces garment price tags utilizing 96-column cards. Provides complete stock status. Automatically provides reorders, interstore transfers, and markdowns to produce maximum sales velocity and profitability. Measures effectiveness of vendor performance with vendor ranking as well as sales projections and open to buy.



**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10 including 12K of memory
- o One and a half disks
- o MFCU input for 96-column card
- o 300-lpm printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Rental options priced to purchasers and renters.

**I.D. NUMBER:** 2 32 0325

**FINANCIAL REPORTS FOR GM ARI**

**DESCRIPTION:** GM financial reports include:

- o Operating Report – Computes and prints from general ledger total income and expense side to net profit or loss.
- o Departmental Profitability – Computes and prints from general ledger; total page.
- o Departmental Sales and Gross Profit Analysis – Computes and prints from general ledger; sales; computes gross profit and % of sales.

Run is 20 minutes.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10 including 16K of memory
- o Disk unit
- o 132-print position printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Source decks (cards). (Will load to library if user's 5440 pack).

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Software changes for purchaser's system are negotiable.

**I.D. NUMBER:** 2 32 0331

**INVENTORY MANAGEMENT ARI**

**DESCRIPTION:** Complete Inventory Management System developed for a distribution company. Reviews historical sales data, lead times, cost of possession and purchase order writing costs. Establishes desired service levels with safety stock. Determines order points and economic ordering quantities condition. Tests for best buying strategy. Writes purchase orders to vendors. Package includes all necessary file maintenance programs.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Disk
- o Console

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Programming assistance available for installation or maintenance (negotiable).

**I.D. NUMBER:** 2 32 0187

**INVENTORY MANAGEMENT – FORECASTING ARI**

**DESCRIPTION:** Analyzes 24 months of sales history for each inventory item, forecasts next 12 months of sales, reproducing long-term trends and seasonal cycles. Forecast determines demand during lead time period. Program track its program errors to calculate safety stock. The demand plus safety stock is the reorder point. Program also minimizes cost to carry and cost to purchase an item to determine the economic order quantity.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Disk

**OPERATING SYSTEM:** DSM

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Program documentation and run procedures supplied when purchased

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Sample output available on request

**I.D. NUMBER:** 2 32 0038

**INVOICING, ACCOUNTS RECEIVABLE ARI**

**DESCRIPTION:** All inventory items are coded by item number, quantity, and "ship to," and are entered by the operator by customer. Invoices, product analysis, invoice register, financial analysis, balance forward receivable register, accounts aging at any time, dunning notices, monthly statements and other reports are printed. Audit trail is provided.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-6, including 8K of memory
- o One removable and one fixed disk
- o 5406-302 processing unit
- o 5213-003 printer
- o 5444-001 disk storage drive

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0213

**INVENTORY TRANSFERS ARI**

**DESCRIPTION:** The system is designed for a multiple-unit retail chain. It provides merchandise transfer from warehouse to stores priced out at cost and retail and includes calculation of intercompany profit. It also gives sales and cash receipt reports for each unit and combined perpetual inventories by product classes.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-6, including 12K of memory
- o Two disks (Model 5444)

## RETAIL/WHOLESALE TRADE

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0254

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### MAILING LIST

ARI

**DESCRIPTION:** A set of programs to maintain and print a mailing list that is controlled on a combination of last name and zip code. Selective printing can be achieved with the use of a parameter card. Package also includes programs that "hunt" for duplicate addresses, even though the names might be different. Zip analysis programs give the user an accurate look at the names available by zip center and state. The package also includes the function of producing sample mailings. This is very easy to use, uncomplicated package that maintains a clean, accurate mailing list.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central system with 24K bytes of user memory
- o Disk unit

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0046

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### MANAGEMENT PACKAGE FOR WHOLESALE

ARI

**DESCRIPTION:** This complete BICARSA System Billing features interactive entry program to virtually eliminate operator error. All pricing including negotiated contracts is handled automatically by the system. Override for cost, price, and unit of measure is provided for. Special and stock items are intermixed and sales tax, which may be overridden, is calculated automatically. There are several programs for changing prices including one that changes prices for the whole master file of 10,000 items in 1/2 hour. Accounts receivable is open item. The system features service charge calculation, aged statements, aged trial balance on demand, and various other management reports. The inventory accounting and management package features the following reports:

- o Distribution by value report (ABC analysis)
- o On-order report
- o Daily stock transaction register
- o Suggested purchase orders
- o Stock status report (four options)
- o Inventory counting lists
- o Physical inventory and reconciliation report
- o Sales analysis by customer, customer class, salesman, vendor, item, item class, and special (nonstock item)

Many programs have user switches to change report formats.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-4 or System/3-6, including 12K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

LEVEL 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Source listing of all programs, KDE formats, sort specs and procedures, complete operator instructions, record layouts, and data dictionary.

**SHIPPING MEDIUM:** Disk pack source program, KDE formats, sort specs & procedures

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0043

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### MERCHANDISE INVENTORY CONTROL (MINC)

ARI

**DESCRIPTION:** This system is designed for low-unit, high-volume ticket price merchandise. Emphasis is on merchandising functions and sales analysis procedures to enable buyers and merchandise managers to quickly spot hot numbers, colors, sizes, etc. Projects sales by class and recommends optimum inventory levels by class to obtain highest possible volume with lowest possible carry-over and markdowns. Uses 96-column card versus garment hang-tag and turnaround document.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10 including 12K of memory

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0324

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### MI-DIS (DOCUMENTATION)

HDA

**DESCRIPTION:** MI-DIS is a planning tool, a guideline for the total information requirements of a distributor. MI-DIS is functionally oriented and defines the information needs of a distributor. This easy-to-read documentation provides specific and direct guidelines for a distribution company planning its total information needs. MI-DIS enables a distribution company to better utilize resources, reduce implementation costs, and effectively communicate with non-EDP personnel.

**DOCUMENTATION:** Product Brief (AD15)  
Summary Description (AD16)

**SHIPPING MEDIUM:** Documentation only

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### ONLINE ORDER ENTRY

ARI

**DESCRIPTION:** The system interactively accepts orders directly from order taker to look up drugs by direct key code, generic name, or description. It builds order on screen. The system can recall any order or list order numbers active for customer. Complete "deal" information assists in maximizing sales effort at order entry time. Produces picking lists (by location) and generates invoices. Driver delivery sheets are produced. The system controls COD cash received, automatically posts to accounts receivable, and generates statements. It has invoice and monthly volume discounting capabilities. DDD and narcotics reports are provided to assist buyers. Purchase orders are generated and receipts are controlled. Accounts

payable include complete listing of payables paid by vendor and outstanding payables. Sales history is maintained on monthly basis for previous 24 months.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 32K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** System flow charts, file layouts, commented RPG code, operations manual

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Demonstration of system available in Detroit area. Modification to meet unique requirements quoted. Terminals could be a problem.

**I.D. NUMBER:** 2 32 0245

**ORDER ENTRY/RELEASE ARI**

**DESCRIPTION:** The package contains 25 programs and can be used for retail store chains, exporter, wholesale distributor, mail order, and revolving charge retailer.

Significant features include order editing, invoicing, accounts receivables generation, backorder release and maintenance, backorder release by allocation, daily cash report, credit card debit report at time of shipment, daily sales journal, automatic handling of item substitutions and deletions, sales file generation for sales analysis, united parcel service shipping documents, picking/packing list, and inventory update of shipments. In daily use.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central system with 24K bytes user memory
- o Disk unit

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0045

**PARTS INVENTORY ARI**

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K of memory

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0171

**PAYROLL ARI**

**DESCRIPTION:** System includes totals by branches and/or departments. Multiple deductions allows for vacation pay, bonus pay, W-2s and 941s, automatic loans for deductions not taken. One time adjustments without disturbing master file.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 12K of memory

- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Cards, disk, or diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Installation/modification available.

**I.D. NUMBER:** 2 32 0042

**PROFIT HDA**

**DESCRIPTION:** PROFIT is a modular system for forecasting and replenishment. Forecasting produces a demand forecast over time and also computes safety stock. Replenishment calculates the order quantities for various replenishment policies and produces that result which best suits that particular business. Additional features such as joint ordering, order scheduling, and vendor strategy are also available.

- o Inventory Forecasting – produces a demand forecast over time and also computes safety stock.
- o Replenishment I – calculates the order quantities for various replenishment policies, projects the financial and management consequences of these policies and produces that result which best suits that particular business. A complete override capability is also included.
- o Replenishment II – contains all the features of Replenishment I, showing once again the modularity and compatibility of Honeywell's Series 60 application systems. In addition, it provides for joint ordering, order scheduling, and vendor strategy, for those distributors who require these capabilities.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central system with 49K bytes of memory available for the user activity
- o Two MSU0310 disk drives
- o 132-position printer
- o Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AR83)  
Application Brochure (AR74)  
Summary Description (AS89)

**SHIPPING MEDIUM:** Disk copies (available 3Q76):

- Inventory Forecasting (ABD0020)
- Inventory Replenishment I (ABD0021)
- Inventory Replenishment II (ABD0022)
- Level I (ABD0020 and ABD0021) (ABD0023)
- Level II (ABD0020 and ABD0022) (ABD0024)
- Demo Discopy (available without a contract) (A1517)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**RETAIL CREDIT CARD SYSTEMS ARI**

**DESCRIPTION:** Complete input, reporting, billing, and control system for retail credit at the single or multistore level. Presently being used to control retail credit at over

## RETAIL/WHOLESALE TRADE / BANKING/FINANCE

100 stores simultaneously from one central location.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-6, including 8K of memory
- o Two disks (5444)

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0266

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### SALES FOLLOW-UP

ARI

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K memory.

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 32 0173

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### SALES ORDER PROCESSING SYSTEM

HDA

**DESCRIPTION:** Sales Order Processing is an online system designed in a modular fashion to accept new orders being entered into the system and update existing orders already in the system. In a communications environment, it checks customer credit and determines whether the item is available. Also provided are the reports generally required in any order processing system, and interfaces with other systems required by a distributor. The three modules are Order Entry, Billing and Shipment, and Inventory Accounting.

- o Order Entry – accepts new orders and any changes to previous orders, validates them and then allocates them considering substitutions, minimum quantities, partial shipments, or backorders.
- o Billing and Shipment – includes the preparation of the warehouse documents of picking and packing lists, and the invoice. Included is also a sales analysis capability, so key to management in tracing their customer purchases, managing their salesmen and being aware of how well their products are moving.
- o Inventory Accounting – keeps the exact status of each item in the warehouse current for stock availability checks.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 central system with 65K bytes of memory available for the user activity
- o Two MSU0310 disk drives
- o 132-position printer
- o Card reader
- o Transaction Response System
- o Series 7700 VIP

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AR82)  
Application Brochure (AR73)

**SHIPPING MEDIUM:** Disk copies  
Order Entry (ABD0010)

Inventory Accounting (ABD0012)

Billing and Shipment with Sales Analysis (ABD0016)

Order Processing (complete system) (ABD0017)

Online Order Entry (ABD6011)<sup>1</sup>

Online Inventory Accounting (ABD6013)<sup>1</sup>

Online Sales Order Processing System (ABD6018)<sup>1</sup>

Demo Discopy (available without a contract) (A1517)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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### VENDING ROUTE ACCOUNTING

ARI

**DESCRIPTION:** Complete route accounting for full-line vending. Controls each machine on route. Complete control of inventory, cash collected and asset control, complete service schedule, costs per cup, inventory and cash control by machine, by location, by route. Accumulates information daily, weekly, monthly, yearly. Inventory control on each truck, service schedule each day.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 12K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Cards, disk, or diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Installation/modification available.

**I.D. NUMBER:** 2 32 0039

## BANKING/FINANCE

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### ACCOUNTING STOCKBROKER

ARI

**DESCRIPTION:** This is a complete system for home office accounting, customer records, stock position margin accounting, sales analysis, and regulatory records. It covers reporting for NYSE, ASE, CBOE and OTC member firms. System has been developed in-house and in use since 1968. The system can handle up to 300 trades per day with 10,000 stock positions and 5,000 active customers in an eight-hour day with one programmer and two combinations keypunch/computer operators. Additional capacity available with larger core and disk drive.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K memory
- o Two disks
- o 80-column card reader/punch
- o 5410-A12
- o 1442-0006
- o 5203-002 printer
- o 5444-002 disk storage drive

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

<sup>1</sup> \$BJ0001 Transaction Response System is a prerequisite.

**DOCUMENTATION:** Operating instructions, card formats, and form layouts.

**SHIPPING MEDIUM:** Disk pack

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Price includes help in on-premises installation.

**I.D. NUMBER:** 2 41 0212

### **CLUB ACCOUNTING** **ARI**

**DESCRIPTION:** This system handles Christmas and all other club accounting. MICR payment books are used. Reports are produced by club amount, month and year to close, in branch. When month and year to close is reached, checks, a check register, and 1099s are produced.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 41 0347

### **COMMERCIAL LOAN SYSTEM** **ARI**

**DESCRIPTION:** System gives alphabetic trial balance, indirect liability, multiple bank, handles single pay or scheduled payment loans, separate participation, collateral and endorser files, central name and address file, handles interest bearing, discounted or add on notes, extensive editing, comprehensive documentation, and automatic accrual adjustment.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3
- o Two disks

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Comprehensive user and technical manuals

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 41 0036

### **CREDIT UNION** **ARI**

**DESCRIPTION:** The application contains 22 programs and does the following:

- o Process a biweekly deduction (can be used on any type of pay period)
- o Calculates and distributes the amounts to shares, interest paid and principal repaid
- o Interest on loans is based on a daily rate times the number of days since the last payroll deduction or last transaction against the loan.
- o Master file update of new members, changes to existing members and other transactions besides payroll deductions; i.e., cash receipts, new loans, share withdrawals, journal entries, etc.
- o Prints a trial balance of members accounts.

- o Prints individual share and loan register with transactions accumulative from beginning of the year to the end.
- o Prints quarterly individual statement of accounts.
- o Calculates dividends for any length of dividend period.
- o Schedule of delinquent loans.
- o Statistical analysis of share and loans.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K memory
- o Disk

**OPERATING SYSTEM:** OCL

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 41 0034

### **GENERAL LEDGER** **ARI**

**DESCRIPTION:** This General Ledger System handles chart of accounts, posts journals, history of account balance, and balance sheets. This daily system has a periodic history and can handle a six-digit account number.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 12K of memory
- o Two disks

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 41 0032

### **INSTALLMENT LOAN ACCOUNTING** **ARI**

**DESCRIPTION:** This system provides a full set of management and accounting reports, including new business and delinquency by branch, officer, dealer, and type; it affords complete delinquency control. It also provides an account history report, year-end interest reports, tax reports and tax forms to customers. Checking accounts can be charged for payments (a preauthorization feature), extensions are possible, and payment skips can be allowed for qualified borrowers.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 41 0346

### **INSURANCE PACKAGE** **ARI**

**DESCRIPTION:** This is a full insurance package for rating programs - N.Y. voluntary and assigned risk; N.J. voluntary and assigned risk. Provides such features as policy writing, endorsement writing, billing and trial balance.

## BANKING/FINANCE / EDUCATION

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Disk (comparable to 5444)

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 41 0226

---

### MORTGAGE LOANS

ARI

**DESCRIPTION:** This Mortgage Loan System includes loan servicing and handles monthly billing receipts or periodic statements. It also handles five different methods of calculating interest and maintains a complete customer file as well as a history master.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 12K of memory
- o Two disks

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 41 0030

---

### MULTICOMPANY REALTY GENERAL LEDGER

ARI

**DESCRIPTION:** The system maintains a chart of accounts with the necessary descriptive information, posts journal entries to update YTD balances, accumulates a 12-month listing of account balances and prints various financial reports such as income statements, balance sheet and detail posting register.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Disk

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** User Manual

**SHIPPING MEDIUM:** Disk and Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 41 0088

---

### PROPERTY MANAGEMENT SYSTEM

ARI

**DESCRIPTION:** This is a full scale property management system for property management companies handling multiple clients. Reports in detail on vacant properties, rented, tenant accounts receivable, and owner general ledger. Account number structure is: Owner, 3 digits; property, 2 digits; building, 2 digits; unit, 4 digits; occupancy code, 1 digit; and general ledger, 3 digits. Maintains bank account balances by owner for operating and damage accounts by bank and bank account number automatically. Provides reports for rapid check voucher reconciliation. Provides reports of monthly and year-to-

date P & L for each owner in dollars and dollars per square foot with breakdown by each general ledger account number. Tremendous detail, fully operational.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 12K memory
- o 120-position printer
- o 5M-byte disk recommended minimum; more required for faster and automatic processing

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Sample reports, input record layouts, disk file layouts, sample test data, procedure listings, source listings, and operation instructions

**SHIPPING MEDIUM:** All materials supplied on machine readable media (disk, diskette, or cards) or on printouts, including 5444 disk pack, 5445 (2316) disk pack, diskettes, 80- or 96-column cards, 800 or 1600 bpi tape.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available. Facility management arrangements available upon request. Service bureau processing available upon request.

**I.D. NUMBER:** 2 41 0194

---

### SAVINGS

ARI

**DESCRIPTION:** Savings is a batch system also capable of certificate of deposit. This statement savings program can handle any type of statement as well as eight different types of interest. Also handles maturity notices, confirmation requests and numerous diagnostic requests.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 12K of memory
- o Two disks

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 41 0031

## EDUCATION

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### ADMINISTRATIVE GUIDE

ARI

**DESCRIPTION:** This manual will assist a school administrator in the construction of the Master Schedule. Contains: Responsibilities of the timetable for school administrators; preplanning; articulation; explanation of output reports for Phase I; detail explanation of preliminary analysis of the scheduling process; description of the preliminary steps in building a master schedule; explanation of balancing; assignment of teachers; detail explanation of output reports of Phase II; master schedule simulation; logical sequential system of the manual construction of a master schedule; alternate approaches to scheduling problems; sample master program with examples.

**ORDERING PROCEDURE:** Order from ARI, 151 Needham Street, Newton, MA, 02161, enclosing check for \$4.80.

**I.D. NUMBER:** 9 71 0351

---

**HIGH SCHOOL ATTENDANCE SYSTEM** **ARI**

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**DESCRIPTION:** Provides information on all students and their classes. Gives class, students, absent lists; quarter-to-date student attendance record. Also handles state-required reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 12K of memory
- o Disk

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, record layouts, program description, operating instructions, data recording instructions, source code

**SHIPPING MEDIUM:** 96-column cards or purchaser supplied IBM 5440 disk cartridge

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 71 0049

---

**SCHOOL BUDGET ACCOUNTING** **ARI**

---

**DESCRIPTION:** Conforms to California School Accounting Manual. Handles multiple funds, purchase orders, vendor warrants, income, abatements, claim lists, encumbrance and budget lists. Optional payroll subsystem ties directly into budget package to reflect payroll.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 12K of memory
- o Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, record layouts, program descriptions, operating instructions, data recording instructions, source code

**SHIPPING MEDIUM:** 96-column cards or purchaser-supplied IBM 5440 disk cartridges

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 71 0050

---

**SCHOOL EQUIPMENT INVENTORY** **ARI**

---

**DESCRIPTION:** This equipment and fixed asset inventory system is designed specifically for school systems. The system maintains a location file, classification code file, and the inventory file itself. The reports generated include a location list, classification list, physical inventory source report, missing item report, transferred item list, and a serial number to I.D. number cross reference. In addition, the system prints gummed identification labels which are placed on the item as well as a Master Inventory List by I.D. number, location, or classification. The system is also set up to list whatever selected groups of items the user requires.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10 with 12K of memory
- o Disk

LEVEL 62

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 71 0348

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**STUDENT PROFILE** **ARI**

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**DESCRIPTION:** Takes available information from each student at registration time and produces the following reports:

- o Alphabetical listing of student names
- o Alphabetical listing of student names by major
- o Summation of student data by major
- o Listing of students by high school graduation
- o Listing of potential graduates at the end of the term
- o Mailing labels
- o Breakdown report of credit hours taken
- o Credit hour distribution by sex and zip code
- o Credit hour distribution by sex and housing type
- o Credit hour distribution by age distribution

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K of memory
- o Disk
- o 128-position printer
- o Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available.

**I.D. NUMBER:** 2 71 0109

---

**TEST SCORING (GPScore)** **ARI**

---

**DESCRIPTION:** The system scores multiple choice tests based on answer key. Two operational modes are norming (deriving percentiles) and scoring (for mass grading after percentiles have been derived from sample).

Other options are:

- o Question may be omitted
- o Question may have multiple correct answers
- o Responses may be 1, 2, 3 (numeric) or A, B, C (alphabetic)
- o Scores are given for the whole sample in percentiles
- o A "Questionnaire" may precede the test which may segment the general population for subgroup scoring. The test group is thus broken down and comparisons can be made within the subgroups
- o The program attempts to be general purpose. There is no limit to the number of tests which can be scored. Variable score sheet headings are allowed
- o A post-run analysis is given which tallies responses occurring generally and in each subgroup. Percentiles are displayed along with individual test raw scores in the norming mode.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3

**OPERATING SYSTEM:** GCOS Level 62

AW15

## EDUCATION / GOVERNMENT

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Alterations, extra options available and negotiable.

**I.D. NUMBER:** 2 71 0268

### GOVERNMENT

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#### ACCOUNTS PAYABLE (WARRANTS) ARI

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**DESCRIPTION:** This system produces checks as well as distribution register for all departments and the check register. It also posts to the General Ledger System.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor with 64K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Available on request.

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0338

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#### ANIMAL CONTROL ARI

---

**DESCRIPTION:** Prepares dog license applications, maintains accounts receivable file, and produces various required reports. Citation information is maintained concerning each animal.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor with 64K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Available on request.

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0344

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#### BUSINESS LICENSE ARI

---

**DESCRIPTION:** This program issues business licenses and associated reports. It also contains emergency notification information that is printed for use by the police and fire departments.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor with 64K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Available on request.

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

LEVEL 62

**I.D. NUMBER:** 2 73 0339

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#### COUNTY RECORDERS INDEX ARI

---

**DESCRIPTION:** Prints county recorder's index on a year-to-date basis by grantor and grantee.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 12K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, record layouts, program descriptions, operating instructions, data recording instructions, source code.

**SHIPPING MEDIUM:** 96-column cards or purchaser-supplied IBM 5440 disk cartridge

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0123

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#### COUNTY TAX COLLECTIONS ARI

---

**DESCRIPTION:** The County Tax Collections System provides for collection of taxes, penalties, and special assessments. The system produces audit trail throughout the entire system. Reports produced are: File Maintenance Register, Collection Balance, Collection Register, Collection Summary by Tax Code Area, Year-to-Date Reports, County-Wide Collection Summary showing amounts and percentages due. The system can also generate mailing labels.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 12K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, record layouts, program descriptions, operating instructions, data recording instructions, source code.

**SHIPPING MEDIUM:** 96-column cards or purchaser-supplied IBM 5440 disk cartridges

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0126

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#### EQUIPMENT MANAGEMENT ARI

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**DESCRIPTION:** The system provides monthly information on equipment owned or leased by the city. Flat rate charges and usage charges are prepared and posted to the General Ledger as well as listed for use by owning departments.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor with 64K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Available on request.



**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0341

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**FIRE INCIDENTS** **ARI**

---

**DESCRIPTION:** Prepares reports on paramedic activity, fire company activity, and fire incidents. Lists areas of the city inspected by fire prevention bureau and any necessary follow-up.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor with 64K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Available on request.

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0342

---

**GENERAL LEDGER AND FINANCIAL REPORT** **ARI**

---

**DESCRIPTION:** This system contains all revenue and expenditure audit reports, trial balance, encumbrance reports, line item detail by program and projects, and management summary reports by major areas of expenditure by program.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor with 64K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Available on request.

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0336

---

**MUNICIPAL ACCOUNTING SYSTEM** **ARI**

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**DESCRIPTION:** This accounting system is an integrated system designed to provide the city with management and accounting reports on an accurate and timely basis. Basic source documents are cash receipts, disbursement vouchers, journal entries, and budgetary information. These documents are combined with accounting master file data to provide the following types of reports:

- o General ledger
- o Encumbrance reporting
- o Revenue statements
- o Expenditure statements

Extensive controls and audit trails are used to insure accuracy of financial statements.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 8K of memory
- o Cards

LEVEL 62

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Accounting manual, data processing manual, keypunch manual

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0250

---

**MUNICIPAL PAYROLL** **ARI**

---

**DESCRIPTION:** Provides for full payroll and associated reports. Includes provisions for retirement and individual retirement accounts. Also, a job costing is done to reflect payroll into city budget.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 12K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, record layouts, program descriptions, operating instructions, data recording instructions, source code

**SHIPPING MEDIUM:** 96-column card or purchaser-supplied IBM 5440 disk cartridge

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0122

---

**MUNICIPAL UTILITY BILLING** **ARI**

---

**DESCRIPTION:** System handles water, sewer, and special charges. Reports include account status register, utility bill, address list, delinquent list, and meter reading and payment list. System also provides a fiscal year recap.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 12K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, record layouts, program descriptions, operating instructions, data recording instructions, source code

**SHIPPING MEDIUM:** 96-column cards or purchaser-supplied IBM 5440 disk cartridges

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0121

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**PAYROLL** **ARI**

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**DESCRIPTION:** This payroll package is easy to modify to any environment. The system loads all employee additions, changes, and time records to disk. The programs select appropriate records for processing. Job stream produces new employee list, changes list with error editing, time record error list, payroll register with combined year-to-date and current figures, check register, and time sheets. Insertion of certain statements produces general ledger entries. Master record maintains up to ten employee selected deductions and personnel information.

## GOVERNMENT

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 central processor with 16K of memory
- o Disk

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0354

---

### PAYROLL

ARI

**DESCRIPTION:** General Payroll including time card edit, gross dollar report, deduction register, payroll journal. Also includes labor distribution report through a program that posts to general ledger. Gives monthly benefits accrued reports.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 central processor with 64K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Available on request.

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0335

---

### PROGRAM BUDGET PREPARATION

ARI

**DESCRIPTION:** The system is used to prepare the budget from basic beginnings through city council adoption. The budget file becomes the base file for the general ledger for the coming year.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 central processor with 64K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Available on request.

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0343

---

### REAL ESTATE TAX

ARI

**DESCRIPTION:** This is a system, developed for a local county that maintains and processes a file established by an assessment firm. The system performs file maintenance, calculates property values, produces property cards, and produces all reports necessary at billing time (includes bills ready to be mailed).

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 24K of memory
- o Two disks (5444).

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Will provide full documentation and personal contact with interested party.

**I.D. NUMBER:** 2 73 0247

---

### REAL ESTATE TAX AND WATER BILLING

ARI

**DESCRIPTION:** The system provides real estate tax and sewer billing for two townships and also supplies school tax billing. It provides a proof list, tax register, tax bills, cash receipts registers (three periods), lien list, and other miscellaneous programs to support applications.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K memory
- o 5444 disk with two drives
- o Console (easily altered to printer)

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURES:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance included.

**I.D. NUMBER:** 2 73 0240

---

### SPECIAL ASSESSMENTS

ARI

**DESCRIPTION:** This system prints the revenue bonds, prepares the assessment bill, and maintains the accounts receivable file.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 central processor with 64K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Available on request.

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0340

---

### TAX ASSESSMENTS

ARI

**DESCRIPTION:** Full tax assessment system including bills, notices, indexes, rolls, exemptions and disclaimers, government parcel lists, and apportionment summaries. The system handles the secured, unsecured and utility rolls. In daily use.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 12K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, record layouts, program descriptions, operating instructions, data recording instructions, source code.

**SHIPPING MEDIUM:** 96-column cards or purchaser-supplied IBM 5440 disk cartridge  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**I.D. NUMBER:** 2 73 0124

---

**UTILITY BILLING** **ARI**

---

**DESCRIPTION:** This system produces the following:

- o Cash Journals and Open Receivables Recap
- o Accounts Receivable Summary
- o Utility Billing Register
- o Utility Billing Register Summary
- o Deposit Register
- o Finaled Accounts Due Credit Recap
- o Recap of Delinquent Accounts
- o Cut-Off Listing of Delinquent Accounts

It also provides management reports:

- o Water and Sewer Usage
- o Gallonage by Meter Size Recap
- o Gallonage Usage Summary

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3
- o One fixed and one movable disk
- o MFCU
- o Printer

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0125

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**UTILITY BILLING** **ARI**

---

**DESCRIPTION:** System handles city billing for garbage, water (both meter and constant), sewer, and electrical.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K of memory
- o Disk (5440)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Contract must be ratified by city council

**I.D. NUMBER:** 2 73 0246

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**UTILITY BILLING** **ARI**

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**DESCRIPTION:** The system calculates consumption and revenue, and prepares the water bill. It posts daily cash received to the accounts receivable file and prepares meter sheets for all new accounts.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor with 64K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

LEVEL 62

**DOCUMENTATION:** Available on request.

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0337

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**UTILITY WATER AND ELECTRIC BILLING** **ARI**

---

**DESCRIPTION:** Utility Billing uses a flexible rate code structure for water, sewer, and electric billing and collections. It gives listings of new accounts, deposits, balance due, and delinquent accounts, summary of consumptions and billing by rates. Daily cash receipts are applied to balances which can be converted to an online environment.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor with 16K of memory
- o Disk

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 73 0353

**MEDICAL**

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**ACCOUNTS PAYABLE** **ARI**

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**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Two disks

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 74 0131

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**ACCOUNTS RECEIVABLE** **ARI**

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**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Two disks

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 74 0130

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**CLINICAL LAB. REPORTING SYSTEM** **ARI**

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**DESCRIPTION:** This system is designed for a 300-bed or smaller hospital. All data entered by keyboard or on floppy disk. Keyboard entry is edited by CP. Floppy disk is verified and edited later by CP. Provides the following output:

- o Continuous cumulative laboratory report
- o Alphabetized departmental logs

## MEDICAL

- o Alphabetized census
- o Discharge cumulative report for attending
- o Itemized invoice 3 days after discharge
- o Monthly statements
- o Medicare, Medicaid and VA. Blue Shield Forms

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3 with 32K of memory
- o Three disks

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**SHIPPING MEDIUM:** Disk

**ORDERING INFORMATION:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 74 0365

---

### EQUIPMENT MAINTENANCE SCHEDULING

ARI

**DESCRIPTION:** The input code form necessary for system requires the following: equipment name, number, room, time required for job, frequency of maintenance, week last maintained, and description of job to be done. Each week the data deck containing the above is read by the system. The header card controls the various jobs to be listed. When a job card is due for maintenance, the description is listed and a new job card is punched to replace the previous card. At the end of the run, the jobs listed also have a stacker-selected card. These cards are handed out to various personnel for assignments. The card is returned when the work is done. The start and finish times are logged on the card for verification.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 8K memory
- o 96-column card reader
- o 96-column card punch
- o Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** System flow chart, sample input, data code form, data card layout, card output layout, header card layout, printer output layout, operating instructions

**SHIPPING MEDIUM:** RPG source deck, source deck listing, all other layouts

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 74 0249

---

### FIXED ASSET REPORT

ARI

**DESCRIPTION:** The system lists and computes location, item number, quantity, description, year acquired, total life, year fully depreciated, unit cost, total cost, current year depreciation, depreciation reserve, and unrecovered cost of items. The program produces a summary total broken down to each department level. It punches a summary for each department and lists summary totals. Uses straight line formula.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 12K bytes of memory

- o 96-column card reader
- o 96-column card punch
- o 120-position printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** System flow chart, sample input data code form, data card layout, output summary card layout, header card layout, printer output layout, operating instructions

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SHIPPING MEDIUM:** RPG source deck, source deck listing

**I.D. NUMBER:** 2 74 0231

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### GENERAL LEDGER

ARI

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o One or two disks

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 74 0133

---

### HOSPITAL ACCOUNTING SYSTEM – HAS/62

FDA

**DESCRIPTION:** The HAS/62 is an integrated patient accounting system for hospitals and similar health care facilities. It includes the census, billing, accounts receivable, payments/adjustments and revenue functions. HAS/62 processes both inpatients and outpatients. Processing capabilities include:

- o Complete inpatient, outpatient, and accounts receivable processing
- o Extensive occupancy, revenue, and third-party statistics
- o Wide range of audit controls
- o Automatic room and board charges
- o Automatic pricing of goods and services
- o Automatic final billing
- o Automatic transfer of discharged accounts to accounts receivable
- o Automatic zero balance purging
- o Cost control and forecast reporting
- o Bad debt processing
- o Budget payment processing

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 with 80K bytes of memory
- o Mass storage subsystem
- o Card reader
- o Printer with 132 print positions

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AK99)  
Summary Description (AN01)

Honeywell's Hospital Accounting (promotional) (AT76)

**SHIPPING MEDIUM:** Card images tape (disks, tapes, cards, etc.) (ABH0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Field Test Version available the end of 1Q77. The product is offered with a fully paid-up license or a monthly license fee.

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**MEDICAL CLINIC SYSTEM** **ARI**

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**DESCRIPTION:** The Medical Clinic System is a complete accounting, billing and production system for all size medical clinics (ranging from four to over 50 doctors). The system performs daily, weekly and monthly billing and production accounting, including third party insurance billing and accounting.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Two disks

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance is included in the purchase price or monthly rental.

**I.D. NUMBER:** 2 74 0127

---

**PATIENT BILLING** **ARI**

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**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Two disks

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 74 0129

---

**PATIENT CENSUS** **ARI**

---

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Two disks

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 74 0128

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**PAYROLL** **ARI**

---

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Two disks

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 74 0132

LEVEL 62

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**PAYROLL HOSPITAL** **ARI**

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**DESCRIPTION:** The Hospital Payroll System prints checks with a variety of optional deductions, including union dues. The system is also used by nursing homes. Up to three rates may be used per employee. Accounts receivable deductions can be deducted. One hour and 15 minutes is required for a 160-check run. Various reports are provided:

- o A State Retirement Agency Report (if used by a county hospital)
- o Allocation of hours (provided for MEDICARE reporting)
- o Seniority list for union hospitals
- o Deduction reports
- o Payroll register
- o Quarter-to-date and year-to-date listing
- o Hours and wages by department

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K of memory
- o Disk
- o Printer

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Disk file layout, record layout, system flow chart, program description with file documentation and printer requirements.

**SHIPPING MEDIUM:** IBM 5440 Disk Pack

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 74 0134

**BUSINESS AND MISCELLANEOUS SERVICES**

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**ACCOUNTING** **ARI**

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**DESCRIPTION:** Complete accounting system for transportation industry. Includes accounts receivable, cash receipts, accounts payable, general ledger, financial statements and payroll.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor with 64K bytes of user memory
- o Two disks
- o Printer
- o Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0174

---

**ACCOUNTING MOVING AND STORAGE** **ARI**

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**DESCRIPTION:** This system provides complete programs and documentation for the moving and storage industry (e.g., agents of Van Lines).

The system addresses:

- o Accounts receivable (both balance forward and open item)
- o Storage billing

## BUSINESS AND MISCELLANEOUS SERVICES

- o Salesman's and driver's reports
- o Accounts payable
- o General ledger with automatic distribution to ICC departments
- o Van Line reconciliation

The system is fully integrated and includes programs, job control language, documentation, procedure guides, and input forms.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3 with 12K bytes of memory
- o Disk
- o 132-position printer
- o Data input devices

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete user's guide, operator's guide, system flow charts, layouts

**SHIPPING MEDIUM:** Tape or disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0295

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### ACCOUNTS 1201 ARI

---

**DESCRIPTION:** Accounts 1201 runs the financial and accounts receivable system for the United Way package including I.D. Numbers 2 76 0216 through 0224.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 Model 62/40 with 32K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0224

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### ACCOUNTS PAYABLE ARI

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**DESCRIPTION:** This multicompany single-pass capacity (20 programs) voucher method system is arranged as a year, month, consecutive number, and check digit. It accepts prepaid vouchers or manual checks for distribution, updates payable master file and check reconciliation. It provides:

- o Annual check register for 1099s
- o Monthly checks for reconciliation bank
- o Invoice breakdown on voucher check
- o Partial payments applying on past due or certain invoice
- o Discounts allowed
- o Payable by account distribution and general ledger entries
- o Payables by cost center and billing for construction companies or companies under contract basis
- o Maintenance and mailing labels for vendor file

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 12K memory

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete including OCLs

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0289

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### ACCOUNTS PAYABLE ARI

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**DESCRIPTION:** Accounts Payable Program Schedule includes:

- o Open file balance
- o Input control proof
- o Cash requirements list
- o Check summary
- o Prints checks and remittance advice
- o Weekly check register
- o Monthly check register
- o Monthly general ledger number distribution summary
- o Accounts payable tax report
- o Monthly check reconciliation and outstanding check report
- o Automatic check cancellation
- o Output from A/P for general ledger runs

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 8K of memory
- o MFCU

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** All programs have documentation showing purpose and frequency of use; operator's instructions include input needed and output obtained.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0053

---

### ACCOUNTS PAYABLE ARI

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**DESCRIPTION:** This system processes either invoices or voucher. It handles multiple companies and multiple divisions.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 24K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0176

---

### ACCOUNTS PAYABLE ARI

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**DESCRIPTION:** A complete Accounts Payable System including vouchers, check writing, open items listing, aging, account distribution, supplier volume, year-to-date voucher history and other reports.

Flexible, handles exceptions easily: discounting, anticipation, partial payments, manual payments, check voiding, voucher removals, etc.

Easily interfaced with expense ledger, general ledger or raw material inventory system.

## BUSINESS AND MISCELLANEOUS SERVICES

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Disk
- o MFCU

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete including users training manual covering all input forms and procedures, exceptions, problem solving

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Systems engineer available to aid in conversion (daily fee basis).

**I.D. NUMBER:** 2 76 0196

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### ACCOUNTS RECEIVABLE ARI

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**DESCRIPTION:** The system has multicompany, single-pass capacity (19 programs) and is bilingual (English/Spanish). It provides:

- o Rolodex label system
- o Maintenance master file and catalog
- o Account selective deletions
- o Finance charge subroutine
- o Trial aging balance

It has an incentive message subroutine for past due coded accounts and dunning notices. It also gives selected aging with accounts older than a month and/or over a dollar amount parameter.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K of memory (12K with some changes)

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete including OCLs

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0287

---

### ACCOUNTS RECEIVABLE ARI

---

**DESCRIPTION:** This system processes either invoices or voucher. It handles multiple companies and multiple divisions.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 24K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0177

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### ACCOUNTS RECEIVABLE ARI

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**DESCRIPTION:** This is a Balance Forward Accounts Receivable System that can handle a multicient, multi-

LEVEL 62

cycle billing arrangement. The system produces a salesman allocation report and monthly breakdown by transaction description. The option of service charge by percentage within departments is available.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 48K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0077

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### ACCOUNTS RECEIVABLE ARI

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**DESCRIPTION:** Accounts Receivable program applications include:

- o Batch proof listings
- o Deposit slips
- o Weekly cash receipts register
- o Cash receipts by salesman
- o Sales recap sheets
- o Weekly accounts receivable aging
- o Monthly accounts receivable register
- o Sales commission reports
- o Recaps by salesman and distribution number
- o New first of the month aging
- o Sales journal report of new sales
- o Sales recap sheets on new sales
- o Recaps by distribution number

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 8K of memory
- o MFCU

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Shows purpose and frequency of use; operator's instructions include input needed and output obtained

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0054

---

### ACCOUNTS RECEIVABLE ARI MULTICOMPANY

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**DESCRIPTION:** The Multicompany Accounts Receivable System maintains a customer file with the necessary descriptive information and posts various transaction amounts to that file generating up-to-date balances, printing statements, aged trial balances, and numerous other reports. This system utilizes the balance forward type of processing. The key features include:

- o Multicompany capability
- o Extensive editing
- o Suspending of errors
- o Product analysis
- o Customer 12-month history
- o Statement dunning
- o Service charge generation
- o Roll-O-Dex and labels
- o Sales analysis and multiple updating

## BUSINESS AND MISCELLANEOUS SERVICES

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K of memory
- o Disk

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Extensive user manual complete systems documentation

**SHIPPING MEDIUM:** Source: disk; 96-column cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0090

---

### ALPHA NETPAY GENERATOR

ARI

**DESCRIPTION:** Takes 7-digit net pay and generates alpha equivalent for printing on payroll or payables checks. Cents are printed in numeric with "cent" or "cents" following.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 8K of memory

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Subroutine guaranteed when properly inserted into user's present check-writing program.

**I.D. NUMBER:** 2 76 0081

---

### BACKOFFICE ACCOUNTING SYSTEM (STANFORD COURT HOTEL)

ARI

**DESCRIPTION:** The system can implement all hotel accounting applications with high level of accounting controls and sophisticated financial management reporting. The system includes payroll and labor statistics, city ledger (accounts receivable), accounts payable, daily revenue reporting, general ledger, financial reports, and travel agent commission checks.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 12K memory
- o One fixed and one removable disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0225

---

### BILLING PROFESSIONAL

ARI

**DESCRIPTION:** Using a base of a client master file, this system tracks employee services performed for each client, each day. End of month produces billing worksheets, statements, aging, subsidiary reports on service analysis and employee evaluation. Good for attorneys, CPAs, engineers, etc.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- LEVEL 62

ble to System/3, including 16K of memory

- o Two disks
- o Printer
- o Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow samples and input forms, charts, disk layouts, card layouts, printer spacing charts, operator's instructions

**SHIPPING MEDIUM:** 96-column cards – source only

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Tailored to use by a CPA firm but capable of modification to fit other service-oriented firms; on "as is" basis.

**I.D. NUMBER:** 2 76 0079

---

### BILLING UTILITY SUBSYSTEM

ARI

**DESCRIPTION:** Augments Accounts Receivable System to permit generations of charges and statements unique to requirements of utility billing. May be used on any metered service such as water, gas or electric. Provisions exist for fuel adjustment factors. It accepts meter readings, calculates charges for service, computes additional charges, generates fixed charges, prints billing statement.

(A subsystem to Multicompany Accounts Receivable (2 76 0090).)

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Disk

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** User Manual

**SHIPPING MEDIUM:** Disk/96-column card

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0089

---

### CAMPAIGN

ARI

**DESCRIPTION:** This system is broken into two sections: precampaign and campaign. The system allows for divisional breakdowns with five different divisional format types. It supplies the user with many types of reports pertaining to the campaign and its statistics. Both unit and split solicitation packages are offered.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 Model 62/40 with 32K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0218

---

### CHURCH ACCOUNTING

ARI

**DESCRIPTION:** The system produces all general ledger,

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## BUSINESS AND MISCELLANEOUS SERVICES

diocesan tax, current and physical asset (plant fund) reports. It includes payroll system for small operations, automatic audit of transactions, overall accounting data and "books," and complete diagnostic edit with correction advice. Also included are:

- o Monthly financial statement
- o Monthly operating statement with percentages
- o Monthly liability analysis
- o Monthly tax statement
- o Monthly transaction analysis
- o Budget reporting

This system is a simplified accounting approach using machinery to translate entries to debits and credits. It requires no experienced personnel for source data entry. The system is currently supported.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K memory
- o Two disks (5444 and 3340)

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Users education manual and systems operation manual

**SHIPPING MEDIUM:** Card input or cardless diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Not available in Texas

**I.D. NUMBER:** 2 76 0265

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### COBOL TRAINING ARI

---

**DESCRIPTION:** System trains in COBOL I/O techniques by exercising input and output media to create, update and add records.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Disk
- o Printer
- o Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0153

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### COMPUTER TIME AND JOB ACCOUNTING ARI

---

**DESCRIPTION:** The Computer Time and Job Accounting System is a data processing application programmed in RPG that analyzes the time and cost of performing the various data processing tasks whether related to CPU time or other employee time. Allows coding of the user, task, employee, and application for each job performed by the data processing personnel; applies various costs against these tasks by extending rates times elapsed time; and prints analysis reports by employee, user, task, and application.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K of memory
- o Disk

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**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** User Manual Complete Systems Documentation

**SHIPPING MEDIUM:** Disk or 96-column cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0193

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### COST ARI

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**DESCRIPTION:** This program includes:

- o Customer maintenance
- o Customer master list
- o Order edit list
- o Cash ledger by job
- o Labor report by employee
- o Machine usage
- o Open order register
- o Weekly sales report
- o Profitability report in ascending order of gross profit

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K memory
- o Two drives, 5444 type (could get by with one drive)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available

**I.D. NUMBER:** 2 76 0258

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### DEPARTMENT LABOR ALLOWANCE ARI

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**DESCRIPTION:** Processes labor allowance claims from service agencies.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 24K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0179

---

### DEPRECIATION SCHEDULES ARI

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**DESCRIPTION:** For tax purposes and internal reporting, these depreciation programs, designed and in use on disk systems, generate totals for assets by account classification/grouping for annual depreciation, produce a detailed and a recaptured listing of investment tax credit for current year acquisitions and print a projection for next year. In addition, the system summarily lists by account classification a breakdown of each account (beginning reserve, current additions, deletions, new book value, bonus depreciation - current and up-to-date). Features of the system:

- o Automatic switching of accelerated method to straight-line (at user's request)

## BUSINESS AND MISCELLANEOUS SERVICES

- o Automatic deletion of disposed items (when advantageous)
- o Calculation of above-named investment credit

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3
- o Two disks
- o Printer keyboard
- o Card reader
- o Line printer

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Flow charts, preparation instructions, card layouts, operator guide

**SHIPPING MEDIUM:** 96-column cards – source only

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0195

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### FAMILY SERVICE OF MINNEAPOLIS ARI

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**DESCRIPTION:** The system runs statistics on closed cases and is a dead adjustment income management system.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62, including 32K memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0223

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### FAMILY SERVICE OF ST. PAUL ARI

---

**DESCRIPTION:** This system runs the statistics on closed cases and is a dead adjustment income management system.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 with 32K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0221

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### FILM LAB BILLING ARI

---

**DESCRIPTION:** Film lab applications include:

- o Past due and current bills
- o Weekly aging
- o End of the month aging
- o Sales journal report
- o First of month aging

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 8K of memory
- o MFCU

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**DOCUMENTATION:** Shows purpose and frequency of use; operator's instructions include input needed and output obtained

**I.D. NUMBER:** 2 76 0057

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### FUND RAISING ARI

---

**DESCRIPTION:** This system covers every fund raising contingency. For example, it provides on demand:

- o A master file of contributors
- o Worker report listings
- o Match code directory
- o Daily cash sheet
- o Receipts for donations
- o Weekly/monthly cash summaries
- o 3 x 5 cards for specific functions
- o List of members
- o Donation reports
- o Several different kinds of labels
- o Specific reports as required

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o 132-position printer
- o Disk with 9.8 million bytes of memory

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete documentation and run sheets

**SHIPPING MEDIUM:** Program source decks

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Two sets of documentation; one source deck

**I.D. NUMBER:** 2 76 0014

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### GENERAL LEDGER ARI

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**DESCRIPTION:** The system processes multicompanies simultaneously. It contains bilingual headings (English/Spanish). The system provides flexibility of profit or loss and balance sheet statements which may have more than one statement for each company. Disbursement of checks is possible, and the system could be used as a "Write-Up System." Any account can be current month and year-to-date divisor for percent on each account on P & L statement. The system accommodates any chart of accounts with a maximum of nine digits of control, including two digits for company number.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 hardware configuration comparable to System/3, including 12K of memory

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**DOCUMENTATION:** Complete including layouts, flow charts, OCLs

**SHIPPING MEDIUM:** Cards

I.D. NUMBER: 2 76 0290

**GENERAL LEDGER** **ARI**

**DESCRIPTION:** General ledger program applications include:

- o Proof register
- o General ledger report
- o General ledger summary
- o Operating statements
- o Recap operating statements
- o Balance sheet
- o Income and expense balance forward for first of the year.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 8K of memory
- o MFCU

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Shows purpose and frequency of use; operator's instructions include input needed and output obtained.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

I.D. NUMBER: 2 76 0055

**GENERAL LEDGER** **ARI**

**DESCRIPTION:** This G/L system produces most of the reports common to general ledger including journals, ledger, balance sheets, etc.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 with 32K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

I.D. NUMBER: 2 76 0220

**GENERAL LEDGER AND FINANCIAL STATEMENTS** **ARI**

**DESCRIPTION:** This General Ledger System utilizes standard accounting principles to perform its function. The system utilizes a chart of accounts and check register, and produces a trial balance and balance sheets. It also handles combined income statements. This system uses and maintains a heading and control file.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

I.D. NUMBER: 2 76 0075

**GENERAL LEDGER MULTICOMPANY** **ARI**

**DESCRIPTION:** The Multicompany General Ledger System maintains a chart-of-accounts with the necessary descriptive information and posts journal entries to update year-to-date balances, accumulate a 12-month history of account balances, and print various financial reports such as income statements, balance sheet, and detail posting register. The system follows standard accounting principles. Key features include: multicompany capability, extensive editing, suspending of errors, flexible account numbers, 12-month history, budget analysis, flexible number of journals, reference and description, detail posting registers, departmental reports. The key reports include: Balance and Edit List, Detail Update Report, Trial Balance, Balance Sheet, Income Statements and journals.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K memory
- o Disk

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** User Manual  
Complete systems documentation

**SHIPPING MEDIUM:** Source: disk/96-column cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

I.D. NUMBER: 2 76 0091

**INVENTORY** **ARI**

**DESCRIPTION:** Warehouse tickets and delivery are produced by a 3741 with a metric printer. A batch is transmitted by phone to System/3-10 to produce anniversary date storage billing, daily inventory by lot and by account, daily aging, and biweekly statements. Thirty RPG programs and thirty 3741 programs.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 12K of memory
- o Direct or BSCA

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete

**SHIPPING MEDIUM:** Cards and diskette

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Terminals make this a doubtful product.

I.D. NUMBER: 2 76 0286

**INVENTORY** **ARI**

**DESCRIPTION:** Complete warehousing inventory system for transportation or manufacturing industry.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 with 64K bytes of user memory
- o Two disks
- o Printer
- o Card reader

**OPERATING SYSTEM:** GCOS Level 62

## BUSINESS AND MISCELLANEOUS SERVICES

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0175

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### INVENTORY MULTICOMPANY ARI

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**DESCRIPTION:** The system maintains an inventory item master file, posts transactions to that file, generating up-to-date balances, and prints reports. It performs the following general functions:

- o Loads, edits and balances transactions
- o Maintains system files
- o Updates system files with amounts
- o Prints posting and status reports
- o Prints exception reports
- o Creates physical inventory count return cards
- o Modular, flexible options to fit requirements
- o Meets most requirements of distribution-type inventory systems. Includes an important average costing feature for reflecting the true value of inventories.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Disk

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** User Manual  
Complete system documentation

**SHIPPING MEDIUM:** Disk and 96-column cards.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0139

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### JEWISH FAMILY SERVICE ARI

---

**DESCRIPTION:** The system runs statistics on closed cases and is a dead adjustment income management system.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 with 32K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0222

---

### LABEL PRINTING UTILITY ARI

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**DESCRIPTION:** This system accepts user specifications, text, and data cards resulting in the printing of user-defined labels. It edits for errors in addition to print. Although the system is shipped ready to read card input for label printing, minor modifications allow direct input of user disk/tape files.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Disk

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Systems Manual

**SHIPPING MEDIUM:** 96-column cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0085

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### LETTER PRINTING UTILITY ARI

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**DESCRIPTION:** System accepts user specifications, text and data cards, resulting in the printing of multiple letters of essentially the same text. The letters are easily modified. Although the system is shipped ready to read card input for letter printing, minor modifications allow direct input of user disk/tape files.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Disk

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Systems Manual

**SHIPPING MEDIUM:** 96-column cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0146

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### LETTER WRITER PROGRAM ARI

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**DESCRIPTION:** Program prints a letter with variable insertions, adjusts spacing with line overflow carryover. No restrictions on number or positioning of insertions.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 24K of memory
- o Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available.

**I.D. NUMBER:** 2 76 0145

---

### LINE GRAPH PRINTING UTILITY ARI

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**DESCRIPTION:** The system accepts user transactions, generates additional data required, prints attractive line graphs plotting the points corresponding to the users' input data given. A minimum of input data is required. However, optional input allows users to control scale, range, and identification of the graphs.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Disk

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Systems Manual

**SHIPPING MEDIUM:** 96-column cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0147

## BUSINESS AND MISCELLANEOUS SERVICES

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### MAILINGS

ARI

**DESCRIPTION:** The system enables printing of labels or listings of mailing information. Up to six lines of address are carried. It has been set up to allow the user to pick out specific groups from the files.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 with 32K bytes of memory
- o Two disks (MSU0310)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0217

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### ONLINE TRUCK DISPATCH

ARI

**DESCRIPTION:** This system contains the programs for online truck dispatching, freight bill rating and billing, driver's logs, and interfaces to payroll. Equipment inventory with a tire inventory also is included. Equipment licensing and driver qualification and personnel is also maintained.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 with 35K bytes of memory
- o Two disks (MSU0310)
- o 7700 VIP or compatible hardware sync.
- o Remote CRT async.

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Detailed program narratives and flow charts, operator instructions, sample screen layouts, source program listings

**SHIPPING MEDIUM:** Disk

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Negotiable maintenance option.

**I.D. NUMBER:** 2 76 0327

---

### ORDER ENTRY/ACCOUNTS RECEIVABLE/INVOICING

ARI

**DESCRIPTION:** This application handles up to 99 plants. The main objective is to get orders from all plants to home office. Using either the 3741 printer or the telephone, orders go to main office handling all customer acknowledgements. Items are controlled by work order number and line control numbers. At the time of shipment, all that is referenced is the work order number and the line number to be shipped. If it's a partial shipment, the quantity to be shipped is put in; otherwise ship what's ordered. The system contains the customer file, sales/COS file, and accounts receivable file. All sales reports, invoicing, work orders, and customer acknowledgement reports are handled by the system.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-8, including 24K memory
- o Two disks
- o 3741 with direct attachment
- o Remote 3741 with 3715 printer

**OPERATING SYSTEM:** Disk

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### PROGRAMMING LANGUAGE: RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available. Forms design and layouts included.

**I.D. NUMBER:** 2 76 0269

---

### PAYROLL

ARI

**DESCRIPTION:** This system has multicompany single-pass capacity. It contains a tax table for weekly, biweekly, semimonthly, or monthly handling. It handles department transfers, calculations of hours, overtime, FICA, W.H., 941 forms, W-2 forms, year-to-date, and analysis. There are six fixed deductions and six miscellaneous deductions. It gives time log concept and time cards labels. One may also use no FICA, no W.H., or no deduction by particular employee. There is an edit word for net amount printed on payroll check. No sort for transactions is necessary.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory (12K with some changes)

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete and OCLs

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0288

---

### PAYROLL

ARI

**DESCRIPTION:** This system provides agencies with all reports common to most payrolls including 941-As and W-2s. It operates in a multipayroll environment, maintains data for many payrolls on the same file, yet has the ability to process each independently.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 with 32K bytes of memory
- o Two disks (type MSU0310)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0216

---

### PAYROLL

ARI

**DESCRIPTION:** Payroll applications include:

- o Payroll prelist
- o Gross earnings report
- o Payroll register with all deductions and net
- o Print payroll checks
- o Year-to-date payroll register
- o Payroll deduction register
- o 941 tax reports, monthly and quarterly
- o Monthly payroll control by department comparing current and previous years
- o W-2 forms at end of year

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration compara-

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- ble to System/3-10, including 8K of memory
- o MFCU

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Shows purpose and frequency of use; operator's instructions include input needed and output obtained.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0056

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### PAYROLL (COBOL) ARI

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**DESCRIPTION:** This single company payroll system runs while utilizing 16K of memory. Handles weekly, biweekly or monthly pay periods of salaried or nonsalaried employees. System maintains a payroll journal as well as deduction register. Prints checks, bonuses as well as 941-A and W-2 forms. System also produces several maintenance reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 32K of memory

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0078

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### PAYROLL (RPG) ARI

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**DESCRIPTION:** This Multicompany Payroll System utilizes one major payroll file for maximum efficiency. System handles weekly, biweekly and monthly pay periods for salaried and nonsalaried employees. The system handles printing of checks and bonuses and 941-A and W-2 statements. System utilizes a deduction register and a payroll journal and can produce several maintenance reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0076

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### PAYROLL - MULTICOMPANY ARI

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**DESCRIPTION:** This Multicompany, Multistate Payroll System accepts in a single run pay frequency of daily, weekly, biweekly, bimonthly and monthly. Information can be keyed randomly without skipping or tabbing. Liberal voluntary deductions, some with self-zeroing balances.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Disk

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0074

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### PAYROLL MULTICOMPANY MULTISTATE ARI

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**DESCRIPTION:** The Multicompany Multistate Payroll System provides the standard payroll system reports in addition to cost analysis and workmen's compensation reports under a variety of conditions and requirements. The key features include:

- o Multicompany capability
- o Multistate capability
- o Multirate time provisions
- o Extensive editing
- o Detail cost analysis
- o Workmen's compensation report
- o Nontaxable pay
- o Garnishment
- o Employee payoff

The key reports include:

- o Time input
- o Deduction prelist
- o Job time proof
- o Payroll register
- o Payroll checks with stubs
- o P/R labor distribution
- o Cost analysis
- o Deductions not taken due to insufficient pay
- o Final deduction register
- o Workmen's compensation
- o Quarterly unemployment tax report
- o Quarterly 941-As
- o Annual W-2s
- o Employee master file

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K of memory
- o Disk

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** User Manual  
Complete systems documentation

**SHIPPING MEDIUM:** Source: disk/96-column cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0092

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### PAYROLL SYSTEM ARI

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**DESCRIPTION:** Complete Payroll System including Work Sheet, Weekly Register, Year-To-Date Register, Checks, Master Record Data Base, Quarterly Earnings Record, Quarterly Tax Forms and W-2s.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 16K of memory
- o Two disks
- o MFCU

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**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Source Listing  
Operator Instructions

**SHIPPING MEDIUM:** As required

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option if requested.

**I.D. NUMBER:** 2 76 0072

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### PERSCH SECURITY SYSTEM ARI

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**DESCRIPTION:** PERSCH is used for payroll applications. It lists the account's name, address, and telephone number and the employee's weekly schedule with any deviations to it (either more or fewer hours worked). The information is then returned to payroll. This eliminates the use of time cards. Firm has approximately 2,000 employees on payroll assigned as guards to approximately 250 companies in metropolitan area.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3 with 8K memory

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0200

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### PLEDGES RECEIVABLE ARI

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**DESCRIPTION:** This system contains cost balancing, a transaction register, monthly trial balance, credit balance list and monthly receivable statements.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 with 32K bytes of memory
- o Two disks (type MSU0310)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0219

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### PURCHASING SYSTEM ARI

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**DESCRIPTION:** This system provides complete information on vendors such as name, address, telephone, F.O.B. terms, payment terms, expenditures Y-T-D with vendor. It also maintains a purchase-on-order file and is updated with delivery information. There are 24 programs providing all necessary purchasing information including utility programs for the system. Two important features of the system are the ability to provide purchasing with follow-up data on which orders are currently or past due and the ability to provide accounting with a cash flow projection of purchase orders issued.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 12K memory
- o Disk

- o Card reader
- o Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** System description, flow charts, file and card layouts

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** 90-day free maintenance but not modifications.

**I.D. NUMBER:** 2 76 0262

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### RENTAL OR LEASE VEHICLE REPORTING ARI

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**DESCRIPTION:** This is a complete automobile leasing accounting system from initial lease to final AMR value in sale. Includes general ledger, accounts payable, fleet management, accounts receivable, profit analysis, used car inventory open order status and customer fleet information report (including averages).

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3 with 16K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0372

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### SERVICE PARTS ARI

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**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3, including 24K of memory
- o Disk

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0178

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### SHORT INVENTORY CONTROL ARI

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**DESCRIPTION:** Inventory Control is designed for fast results and daily hard copies, including:

- o Up to three transactions per card as input
- o Last purchase date made
- o Last sales date made
- o Average price
- o Gross profit by item
- o Totals by supplies, by branch or division and by the store or company
- o Breakdown by supplier, branch and company, or store of transaction type — line items, purchase transactions, sales transactions, purchase debit transactions, purchase credit transaction, sales debit transaction, sales credit transaction, purchase value, purchase average value, and sales average value.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3 with 12K memory

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- o Disk
- o 132-position printer
- o Card reader

**OPERATING SYSTEM:** Disk

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Operator's instructions, flow charts, sample reports

**SHIPPING MEDIUM:** Cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0321

---

### TIME AND CHARGES ARI

**DESCRIPTION:** The Time and Charges System is designed for accounting firms, law firms or any project management application. The system produces, from employee records of time and charges of tasks performed the following production reports: current period client analysis, employee analysis, or task analysis. History reports on client, employee, or task activity.

The following reports are prepared when required: data edits, master file changes, data file merges, data file purges, and history file modifications.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K of memory
- o Disk
- o 120-position printer
- o Card reader

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance is an option.

**I.D. NUMBER:** 2 76 0144

---

### TRAFFIC SYSTEM ARI

**DESCRIPTION:** The Traffic System gives sales verification, weekly sales projections, source listings, rough and final logs, daily revenue, weekly updated aging, provides a billing system with a sales journal, salesmen's commission reports, final and first-of-month aging, product analysis report, bonus spot report, national sales listing, and various management reports.

The Traffic System also has an available program that lists current week and following three weeks in detail; gives ending week of spots for a long-range look. This program does not rotate spots automatically or show sponsor conflict. The system also has noncash runs for bad debts and tradeouts.

**NOTE:** All programs are written for use on TV and radio; the same programs are used for both.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 8K of memory
- o MFCU

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Shows purpose and frequency of

LEVEL 62

use; operator's instructions include input needed and output obtained

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 76 0052

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### AUTOMATED RESOLUTION FROM CENTURY TO HONEYWELL – ARCH HDS

**DESCRIPTION:** NCR Neat/3 to Honeywell Series 60 Level 62 COBOL conversion aid assists in converting programs written in the Neat/3 programming language to the Series 60 Level 62 Honeywell COBOL language. Conversion aid runs on Series 60 Level 62.

Conversion package consists of:

- o ARCH, Neat/3 to COBOL translator
- o Q-PROG, a routine to select Neat/3 source programs from the ADISC and put them out on 9-channel EBCDIC tape

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor with 36K
- o Two MSU310 disks or 9-channel tape
- o Card reader
- o Printer

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** ARCH Translator User's Guide (Available from Small/Medium Systems Support Services Department.)

**SHIPPING MEDIUM:** Tape SPV 0001

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### ASYNCHRONOUS COMMUNICATIONS HDS

**DESCRIPTION:** The GCOS Communications System offers the following features:

- o Automatic control over major network control functions; programmers are free to concentrate on communications application programs
- o A network visible enough so that user control can be exercised when conditions warrant
- o An easy-to-use interface, provided with GCOS COBOL
- o Message processing and communications activities, automatically overlapped
- o Application programs independent of the number of terminal devices connected to the network; if the number of terminals changes, application programs need not be recompiled
- o Low system overhead; the Communications System is present in memory only when users want to use the communications facilities
- o Efficient memory usage; memory space is conserved by tailoring the Communications System to users' particular needs, e.g., during low-activity periods, only those buffers that are required for lines and terminals in use will be created
- o Full simultaneity of data transfer between buffers and terminals regardless of line speeds, transmission codes and line links



- o Automatic handling of multiple, simultaneous data transmission activities

It also provides the following capabilities:

- o Up to 9 communications lines
- o Maximum of 32 terminals per line
- o Synchronous and asynchronous, two-way, alternate transmission modes
- o Line speeds from 110 up to 9600 bits per second
- o Handling of 6-, 7-, and 8-bit codes
- o Half- and full-duplex operation
- o Support of buffered and unbuffered terminal devices
- o Support of polled or contention networks
- o Point-to-point and multipoint connections

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central system with a 15-21K byte supervisor and a user activity (20K bytes) main memory
- o Communication device(s) with synchronous line addressing and line terminators

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL09)  
CS/B Terminals (AU38)  
BSC 1/2 (AU39)

**SHIPPING MEDIUM:** SBC0006

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**COBOL-74 COMPILER HDS**

**DESCRIPTION:** The COBOL-74 compiler's standard COBOL language capabilities conform in language element representation, symbology, and coding format to American National Standard X3.23-1974. It is compatible with the COBOL used by other members of the Series 60 family. Added Honeywell features heighten its usefulness:

- o New debugging facility allows the users to specify their own debugging techniques in the program, then eliminate them from the final compilation or invoke them at object time.
- o New capability for communication with terminals.
- o Ability to call other programs, including programs written in other higher-level languages.
- o Expanded text-copying capability.
- o Enlarged file-handling capacity; expanded sequential file function.
- o Checkpoint/resume capability
- o New relative and indexed I/O techniques — replacing random access — that enhance mass storage capacity.
- o Augmented nucleus function.

Honeywell vs. American National Standards:

- |           |  |
|-----------|--|
| 2 NUC 1,2 | plus Honeywell extension   |
| 1 TBL 1,2 |  |
| 2 SEQ 1,2 | less variable length   |
| 2 REL 1,2 | less variable length   |
| 1 INX 0.2 | (less alternate key and variable length)<br>plus Honeywell extension |
| 2 SEG 0,2 |  |
| 2 DEB 0,2 |  |
| 1 LIB 0,2 |  |
| 1 IPC 0,2 |  |

- |           |  |
|-----------|--|
| 2 COM 0,2 | plus Honeywell extension                 |
| 2 SRT 0,2 | (except merge verb and SAME AREA clause) |

Includes STRING/UNSTRING and SETSWITCH verbs.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware with 34K bytes of user memory
- o Disk
- o Printer or REPORTOUT file
- o Sequential input device or source library

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL07)  
COBOL Language Reference Manual (AL16)  
COBOL User Guide (AL17)

**SHIPPING MEDIUM:** Disk, tape or card (SBL0005)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**COBOL-TO-COBOL TRANSLATOR HDS**  
(SERIES 200/2000)

**DESCRIPTION:** The COBOL-to-COBOL Translator is an automated way to upgrade existing COBOL programs to Level 62 American National Standard COBOL-74. The package translates programs written in Mod 1 COBOL dialects COBOL B, C, D and MSR (American National Standard) COBOL. This source language conversion translates most COBOL language elements.

The principal output of the Translator is a Level 62 COBOL source language program (on cards, disk or magnetic tape). The output program is logically and functionally equivalent to the input version. The Translator produces extensive diagnostic information for any input statements that are not translated. In addition to the program listing that includes embedded diagnostics, the Translator optionally prints the input COBOL program and its translated equivalent.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 32,768 characters of memory
- o Printer
- o Card reader
- o Four 7-track magnetic tape units or two disk pack drives
- o Optional card punch

**OPERATING SYSTEM:** GCOS

**DOCUMENTATION:** Product Brief (AN27)  
Series 200/2000 to COBOL to Level 62 COBOL Conversion Manual (AR02)  
Series 200/2000 to Level 62 Conversion Guide (AR01)

**SHIPPING MEDIUM:** SBV 0010

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**DATA COLLECTION SYSTEM VIP 7700 HDS**

**DESCRIPTION:** The DATACOLLECTION system is a CRT-to-disk data entry system consisting of multiple CRTs, which are processed by a common program. Data is entered under your own predefined input controls at the various CRTs and stored temporarily in a disk file. Under

## SYSTEMS SOFTWARE

DATA COLLECTION control, you can enter data, validate keys, verify data, edit, delete, back space, skip forward, search, correct data, and create or revise CRT formats all online concurrently. The standard function of left-zero fill, right-justification, and blink-when-zero are performed automatically without any special key strokes.

The major objective of the system is to transfer the user's data to a media that is acceptable to the user's existing applications, dedicating a minimum amount of memory to the task. These objectives were achieved with the use of a common datacollection file, where all data entered into the system is put into a fixed block and written to the common file. Also to ensure that the data entered was correct, editing of numeric fields is done automatically, and/or the user has the option of verifying the data (re-keying all data) that was entered. With a small amount of modification, the system can be enhanced so that master file key verification is done automatically when data is entered into the system.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 central processor
- o Synchronous line and at least one VIP 7700

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Supplied with system or available from Software Distributing MS209, 151 Needham St., Newton, MA 02161.

**SHIPPING MEDIUM:** Cassette (SBJ 0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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## EASYCODER-TO-COBOL TRANSLATOR HDS

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**DESCRIPTION:** The EasyCoder-to-COBOL Translator converts EasyCoder source language programs to equivalent COBOL statements. The Translator features:

- o Complete translation of program logic flow (branches, decision points, program switches, perform ranges, etc.) for all but the most unusual cases
- o Translation of data movement (editing and arithmetic) instructions for all functions that have EasyCoder equivalents
- o Complete translation of all EasyCoder data formatting statements
- o Identification, translation, and optimization of many common coding techniques

The program being translated must be written in a Series 200 or Series 2000 assembly language — EasyCoder A, B, C, D, Mod 1 (MSR), or Extended Mod 1 (MSR) — or must be a program that has been translated to EasyCoder by Easytran (1401), B, C, or D or Program Modifier C. Programs written in EasyCoder A or B or translated by Easytran into EasyCoder A or B must be assembled by either the EasyCoder C or EasyCoder D assembler to create an SPT (symbolic program tape) before translation.

The output of the Translator is a Level 62 COBOL-74 source program (on cards or magnetic tape) in a format suitable for compilation, and a listing of the generated COBOL source coding, cross-referenced by tags and line numbers with the original EasyCoder assembled program. Untranslated instructions, together with diagnostic messages, are imbedded in the COBOL program listing and retain their contextual significance. Diagnostic messages

also accompany any instructions that have been translated with assumptions.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 65,536 characters of memory
- o Printer
- o Card reader
- o Card punch (optional)
- o Two 7-track magnetic tape units
- o Two disk pack drives

**OPERATING SYSTEM:** GCOS

**DOCUMENTATION:** Product Brief (AN27)

Series 200/2000 EasyCoder to Level 62 COBOL Conversion Manual (AR03)

Series 200/2000 to Level 62 Conversion Guide

**SHIPPING MEDIUM:** SBV 0009

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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## FILE TRANSLATOR SERIES 200/2000

HDS

**DESCRIPTION:** The File Translator converts a Series 200 or Series 2000 card or magnetic tape file to a Series 60 sequential file. Disk files to be translated must first be unloaded to a sequential tape file using standard Series 200/2000 utility programs. The character sets for both Series 200/2000 and BCD format files are supported. The input file must have fixed-length records, blocked or unblocked. Unless labels are omitted, file labels must be in the standard 80- or 120-character format.

The keyword-oriented Field Data Description Language (FDDL) is used to describe the input file format, the desired output file format, and the type of translation. Most files require a minimal description for translation. In addition to simply translating files, however, the powerful FDDL repertoire can:

- o Check labels
- o Reorganize fields within records
- o Change field characteristics
- o Delete classes of records
- o Alter records by deleting or adding fields

Diagnostic messages are provided during the analysis of the File Data Description Language and during file processing. The output file is created in a standard Series 60 sequential file format, according to the user's FDDL specification.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 central processor with 32,768 bytes of user memory
- o Disk unit
- o Printer
- o Card reader
- o Two 7-track magnetic tape units

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AN27)

Series 200/2000 to Level 62 File Conversion Manual (AR04)

Series 200/2000 to Level 62 Conversion Guide (AR01)

**SHIPPING MEDIUM:** (SBV 0008)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**FORTRAN****HDS**

**DESCRIPTION:** GCOS Level 62 FORTRAN meets the proposed new American National Standards Institute standard for FORTRAN, and in addition provides a number of extensions to improve programming flexibility, extensions totally compatible with the standard language features:

- o Extensions to take fuller advantage of Level 62 systems
- o Extensions to support expected changes in the American National Standards Institute standard
- o Extensions already generally accepted in the data processing industry
- o Extensions that provide complete source even upward compatibility with other levels of Series 60 Level 62 FORTRAN programs handle data using the standard GCOS Level 62 data management methods, with full support for sequential files, relative files, and sequential processing of indexed files.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware with console and 28K bytes of memory
- o Disk unit
- o Printer

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** FORTRAN Reference Manual (AL92)

FORTRAN User's Guide (AX21)

**SHIPPING MEDIUM:** (SBL 0007)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**GCOS****HDS**

**DESCRIPTION:** Level 62 GCOS is a new, powerful, flexible operating system designed to fulfill the user's current data processing needs. It gives the Series 60 Level 62 user multiprogramming, main memory management, and fail-soft capabilities. Among its salient features are:

- o Modular System Design – Through the design modularity of GCOS, the user can specify an operating system tailored to his needs. As his needs grow, the original Level 62 installation can expand to handle increasing workloads and new applications. GCOS, together with the powerful Level 62 central processors, supports a wide range of user configurations and applications. Main memory can be expanded from 48K to 224K bytes.
- o Extensive Peripheral Support – GCOS supports many different peripheral devices: disks, magnetic tape, tape cassette units, diskettes 80- and 96-column card readers, 80-column card punch line printers, and communications terminals.
- o Language Processing Capabilities – GCOS supports the American National Standard COBOL-74 compiler and industry-compatible RPG and FORTRAN compilers. These compilers provide wide-ranging diagnostic and debugging facilities, explicit and implicit program segmentation, and extensive library facilities.
- o Latest Data Management Concepts – With GCOS, the user is relieved of many chores involving data storage, maintenance, and retrieval. These include allocation and deallocation of file space, label

checking, blocking and deblocking of data, and system file security checks.

- o Communications Processing Support – To provide a simple, economical solution to communications network handling problems, the user tailors GCOS communications processing to his needs. The GCOS Communications System takes over all major control functions involving line discipline, terminal handling, and error handling and recovery procedures. For a complete communications system, the user need only supply the necessary application programs.
- o Checkpoint/Resume – Ability to resume processing after a failure has occurred from a previous noted checkpoint.
- o Error Recovery Capabilities – GCOS error management automatically detects, reports, and retries unsuccessful I/O operations; prepares necessary information for error logging; handles interrupts generated by the operator or by a peripheral undergoing a change of state; and handles any abnormal signals that independently arise from the operator or a peripheral device.
- o System Fail-Soft Operations – The fail-soft facility lets the user remove a faulty memory module from the system. The system can continue to process jobs not affected by the failed resource.
- o Automatic Volume Recognition – GCOS file management provides, as a user protection function, a means of ensuring the correct mounting of physical volumes, verifying the standard labels on disk files and the standard and nonstandard labels on magnetic tape and tape cassette files.
- o Device Independence – The GCOS operating system allows the user to defer the specification of specific devices and (for sequential files) device types until run time.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central system with 48K bytes of main memory
- o Two disk units
- o Printer
- o Card reader
- o Cassette, diskette or communications

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL03)  
Level 62 GCOS Systems Control Manual (AL11)  
Level 62 GCOS Data Management Manual (AL10)  
Level 62 GCOS Message/Response Manual (AL27)  
Level 62 GCOS Operators Guide (AL12)

**SHIPPING MEDIUM:** (SBS 0200)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**HEXCALC****UL**

**DESCRIPTION:** This program assists in hexadecimal or decimal calculations and conversions.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Supplied with system or available

## SYSTEMS SOFTWARE

from Software Distribution MS209, 151 Needham St., Newton, MA 02161

**SHIPPING MEDIUM:** Cassette (A1542)

**ORDERING PROCEDURE:** Contact Software Distribution MS209, 151 Needham St., Newton, MA 02161

**SPECIFIC PROVISIONS:** Correct media must be supplied.

**NOTE:** This is an unsupported product.

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### LOG/3 – SUBSTITUTE ARI

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**DESCRIPTION:** The Log/3-Substitute for Typer Console 5471 in System/3 Model 10 and 12 provides audit trail of operations by logging OCL and system halts on any 5444 disk with eight hours of logging on five tracks. Log/print written in RPG allows user modification to extract special reports from system printer. Special system generation eliminates program load problems. Software easily removed for IMB maintenance. May also be provided to support CRT display replacing 5471.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor comparable to System/3

**PROGRAMMING LANGUAGE:** RPG

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 2 03 0373

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### MAPVOL UL

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**DESCRIPTION:** This program prints a compact list of a disk Volume Table of Contents. Each file is described on one line of the report.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Supplied with system or available from Software Distribution MS209, 151 Needham St., Newton, MA 02161

**SHIPPING MEDIUM:** Cassette (A1552)

**ORDERING PROCEDURE:** Contact Software Distribution MS209, 151 Needham St., Newton, MA 02161

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### MFU SORT FDA

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**DESCRIPTION:** Utility program which provides a sort capability for the multifunction unit on the Level 62. It provides same function as System/3 MFU Sort.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor
- o MFU

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Operating instructions on altering and running the program

**SHIPPING MEDIUM:** Deck of 80- or 96-column cards

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### RECORDING OFFLINE AND READING NONSTANDARD T.C. UL

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**DESCRIPTION:** A utility to record offline and to read nonstandard T.C.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Supplied with system or available from Software Distribution MS209, 151 Needham St., Newton, MA 02161

**SHIPPING MEDIUM:** Cassette (A1543)

**ORDERING PROCEDURE:** Contact Software Distribution MS209, 151 Needham St., Newton, MA 02161

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### RESET INDEXED FILES UL

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**DESCRIPTION:** This utility makes a loaded index file appear empty, so that a subsequent procedure can reload it. The object is to eliminate the need to DEALLOC and PREALLOC an indexed file in order to reuse it.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Supplied with system or available from Software Distribution MS209, 151 Needham St., Newton, MA 02161

**SHIPPING MEDIUM:** Cassette (A1541)

**ORDERING PROCEDURE:** Contact Software Distribution MS209, 151 Needham St., Newton, MA 02161

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### RPG CUTEMP, C8T9 UL

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**DESCRIPTION:** Converts 80-column tab cards to 96-column tab cards via MFU. Once the RPG CUTEMP program is compiled and on a system disk, JCL deck \$JOB C8T9 must be used to convert decks.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor
- o 310 disk drive
- o 80-column card reader
- o Printer
- o MFU for \$JOB C8T9

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Supplied with system or available from Software Distribution MS209, 151 Needham St., Newton, MA 02161

**SHIPPING MEDIUM:** JCL Deck and RPG Program (A1522)

**ORDERING PROCEDURE:** Contact Software Distribution MS209, 151 Needham St., Newton, MA 02161

**RPG LEVEL 62****HDS**

**DESCRIPTION:** RPG is a high-level language with efficient, commercially-oriented problem-solving capabilities. The language has the following aspects:

- o RPG specifications forms are ideal for describing complex input/output procedures; they enable users to describe data processing problems quickly and easily by specifying both the files and input data representing the problem, and the output reports and files to be produced by RPG application program.
- o RPG fixed logic cycle reduces much routine programming work.
- o RPG compilation and execution diagnostic capabilities make programs easy to develop and test.
- o Standard data management access routines permit the interchange of data files among RPG and COBOL programs.

The RPG compiler has the following capabilities:

- o RPG source input read from 80- or 96-column cards, or source unit libraries on disk
- o Automatic file manipulation and disk handling
- o Support of sequential, indexed and direct file organizations
- o Program diagnostic trace facilities
- o Dynamic table handling
- o Lookahead feature
- o Linkage of RPG object programs to external routines
- o Utilization of standard data management access routines by object programs

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central system with 28K bytes of user memory
- o Disk unit
- o Printer or REPORTOUT file
- o Sequential input device or source library

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL06)

RPG Users Guide (AL15)

RPG Language Reference Manual (AL14)

**SHIPPING MEDIUM:** Source deck and disk (SBL 0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SCHEDULER RADIO STATION****ARI**

**DESCRIPTION:** This program automatically schedules spots for a program log. It rotates cartridge numbers equally. It gives flexibility in moving spots around and provides separation of competitors. It will not schedule two spots for the same order in the same hour. Cards are run out daily for the previous day's log, and the times are punched onto the cards and put back in the machine. This provides billing at the end of the month (calendar or the Standard Broadcast month). Daily availabilities are provided along with a weekly production report. This program also provides a complete accounts receivable system. A monthly production report and an aged trial balance are printed by salesman. This system can be formatted to suit personal needs and qualifications. The number of interruptions an hour, news spots, and special programming can be planned before installation.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 hardware configuration comparable to System/3-10, including 16K memory
- o Two disks (5440)
- o Printer (5203)

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Complete

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Advice available for a reasonable period of time after system implementation.

**I.D. NUMBER:** 2 76 0275

**SORT AND MERGE****HDS**

**DESCRIPTION:** These utilities provide comprehensive file sorting (record or key) and merging services that are easy to use and wide-ranging in application.

The Level 62 Sort utility offers these capabilities:

- o Defines up to eight record classes and processes them as follows:
  - Including/omitting all records in the class
  - Accepting control fields of up to 16 keys per class
  - Structuring the output record by rearrangement of fields from the input record, or by passing the input record through unchanged
  - Summing up to four fields in records with identical keys
- o Writes records omitted from a sort to an optional exception file.
- o Permits record or key sorts
- o Permits alterations to the basic EBCDIC collating sequence
- o Operates with minimal disk work file space, i.e., approximately the same size as the output file (or, in some circumstances, no separate work file at all)
- o Checks that work space is sufficient
- o Allows input, exception, and output files on disk, tape cassette, or cards; also, may write exception and output file to printer
- o Allows sequential, indexed, or direct file organization for input files (exception and output files are organized sequentially)
- o Supports multivolume file processing
- o Produces a record-address output file (when a key sort is performed) that can be used as an index to retrieve records from the input file in the required sorted order

The Level 62 Merge utility possesses these capabilities:

- o Processes up to five input files from disk, tape cassette, or cards
- o Allows full record class capability for up to eight record classes (same as the Sort utility)
- o Writes records omitted from a merge to an optional exception file
- o Accepts sequential input, exception, and output files
- o Writes exception and output files to disk, tape cassette, cards, or printer
- o Permits alterations to the basic EBCDIC collating sequence
- o Supports multivolume file processing

## SYSTEMS SOFTWARE

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 with a minimum of 28K bytes of user memory
- o Disk unit
- o Printer or SYSOUT file
- o Sequential input device

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL05)  
SORT and MERGE Manual (AL19)

**SHIPPING MEDIUM:** Card or Disk (SBU 0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### SYNCHRONOUS COMMUNICATIONS HDS

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**DESCRIPTION:** The GCOS Communications System offers the following features:

- o Automatic control over major network control functions; programmers are free to concentrate on communications application programs
- o A network visible enough so that user control can be exercised when conditions warrant
- o An easy-to-use interface, provided with GCOS COBOL
- o Message processing and communications activities, automatically overlapped
- o Application programs independent of the number of terminal devices connected to the network; if the number of terminals changes, application programs need not be recompiled
- o Low system overhead; the Communications System is present in memory only when users want to use the communications facilities
- o Efficient memory usage; memory space is conserved by tailoring the Communications System to users' particular needs, e.g., during low-activity periods, only those buffers that are required for lines and terminals in use will be created
- o Full simultaneity of data transfer between buffers and terminals regardless of line speeds, transmission codes and line links
- o Automatic handling of multiple, simultaneous data transmission activities

The GCOS Communications System provides the following capabilities:

- o Up to 9 communications lines (8 may be synchronous)
- o Maximum of 32 terminals per line
- o Synchronous and asynchronous, two-way, alternate transmission modes
- o Line speeds from 110 up to 9600 bits per second
- o Handling of 6-, 7-, and 8-bit codes
- o Half- and full-duplex operation
- o Support of buffered and unbuffered terminal devices
- o Support of polled or contention networks
- o Point-to-point and multipoint connections

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 central system with 15K to 28K bytes supervisor plus a user activity (minimum 20K) memory
- o Communication device(s)
- o Synchronous line addressing and line terminators

**OPERATING SYSTEM:** GCOS Level 62

LEVEL 62

**DOCUMENTATION:** Product Brief (AL09)  
C S/B Terminals (AU38)  
BSC 1/2 (AU39)

**SHIPPING MEDIUM:** (SBC 0005)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### SYSTEM/3 CARD CONVERSION HDS

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**DESCRIPTION:** This package aids users converting from IBM System/3 equipment to Series 60 Level 62. The package contains software aids for converting System/3 card files and RPG source programs, as well as a comprehensive conversion guide containing specific procedures.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 minimum configuration

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL08)  
System/3 to Level 62 Conversion Guide (AL20)  
MFU Simulator and Card Utilities Manual (AN02)

**SHIPPING MEDIUM:** (SBV 0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### SYSTEM/3 DISK CONVERSION HDS

---

**DESCRIPTION:** This package aids users converting from IBM System/3 equipment to Series 60 Level 62. The package contains software aids for converting System/3 data files and RPG source programs, as well as a comprehensive conversion guide containing specific procedures.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 minimum configuration with disk files

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL08)  
System/3 to Level 62 Conversion Guide (AL20)  
MFU Simulator and Card Utilities Manual (AN02)

**SHIPPING MEDIUM:** (SBV 0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### SYSTEM/360 MODEL 20 CARD CONVERTER HDS

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**DESCRIPTION:** The IBM System/360 Model 20 conversion package is designed to aid conversion from the IBM environment to the Honeywell Level 62 environment. The package comprises software aids for the conversion of 360-20 data files and RPG source programs: specific procedures are explained in a comprehensive conversion guide.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 62 central system with 24,576 bytes of user memory
- o Two disk units
- o Printer
- o Card reader

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL90)

360/20 to Level 62 Conversion Guide (AL20)  
MFU Simulator and Card Utilities Manual (AN02)

**SHIPPING MEDIUM:** (SBV 0006)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SYSTEM/360 MODEL 20 DISK CONVERTER** **HDS**

**DESCRIPTION:** The IBM System/360 Model 20 conversion package aids conversion from the IBM environment to the Honeywell Level 62 environment. The package comprises software aids for the conversion of 360-20 data files and RPG source programs, and specific procedures explained in a comprehensive conversion guide.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central system with 24,576 bytes of user memory
- o Two disk units
- o Printer
- o Card reader

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL90)  
360/20 Level 62 Conversion Guide (AL20)  
MFU Simulator and Card Utilities Manual (AN02)

**SHIPPING MEDIUM:** (SBV0007)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**TAPE CASSETTE UTILITY (CASREPRO)** **UL**

**DESCRIPTION:** This program lets the user manipulate the tape cassette. It works with only one side of the tape cassette and handles variable length records. The action dialog with the user is either through the input reader or the console.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor
- o Additional cassette unit for COPY and COMPARE functions

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Supplied with system or available from Software Distribution MS209, 151 Needham St., Newton, MA 02161

**SHIPPING MEDIUM:** Cassette (A1509)

**ORDERING PROCEDURE:** Contact Software Distribution MS209, 151 Needham St., Newton, MA 02161

**TRANSACTION RESPONSE SYSTEM** **HDS**

**DESCRIPTION:** The Transaction Response System (TRS) is a powerful, versatile, communications-oriented executive for efficiently processing a wide variety of business transactions from remote terminals. TRS is easily implemented under the control of GCOS Level 62 and operates concurrently with the other dimensions of GCOS.

TRS employs a high-level COBOL language, for describing, and maintaining transactions. Any programmer can write a transaction processing program for TRS. Since the interfaces are interactive, the terminal user needs little

experience to communicate with TRS and no programming experience to use it.

TRS provides efficient and automatic management of terminals and system privacy. This frees the user to concentrate on the resolution of business problems rather than on software and integration projects.

With its high throughput capability, TRS performs many tasks while permitting multiaccess to programs and data from many remote terminals. It is completely compatible with existing data and communications control software. TRS combines the capabilities of an advanced operating executive with a communications subsystem capable of simultaneously handling a large number of remote terminals.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor with 96K of memory

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Supplied with system or available from Software Distribution MS209, 151 Needham St., Newton, MA 02161

**SHIPPING MEDIUM:** Cassette or disk (SBJ 0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**UNIVERSAL TOTAL LEVEL 2 (L-62)** **HDS**

**DESCRIPTION:** TOTAL is a program product that provides a data base management capability, functioning with a host language (COBOL, FORTRAN, RPG). It provides the input/output interface with the random access device. It functions in two ways:

- o As a descriptor language (DDL) which defines files, records, fields, and interrecord/file relationships
- o As a data management language (DML) which allows the programmer to implement and maintain these records and relationships

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor with at least 32K per activity utilizing TOTAL

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** Object code available only

**DOCUMENTATION:** Product Brief  
User Manual (AW54)  
Sales Brochure (AJ92)

**SHIPPING MEDIUM:** Universal TOTAL Level 2 - cassette Supportive Software - tape or disk (SBD0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months

- o On fully paid up license, software maintenance updating charge invoiced annually commencing 1 year after delivery
- o License Option Credits (LOC) of 50% of first six months of monthly license fees paid may be applied toward conversion to a fully paid up license
- o Installation and systems support available at the current worker-day rate plus travel and lodging.

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**UTILITY PACKAGE INCLUDING TEST  
DATA GENERATOR (TDG) HDS**

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**DESCRIPTION:** The GCOS Level 62 utility package consists of multifunction utility programs for volume/file management and file/library maintenance. These ready-made tools free the programmer from the burden of coding programs for common or routine tasks. All are easy to use, and the many default options allow quick and simple coding for most tasks. However, the flexibility inherent in these options allows the same utility macro instructions to be used for many other less common tasks as well.

Such a versatile utility package offers many benefits to the Level 62 user:

- o Comprehensive, powerful set of utility routines
- o Easy to learn, common utility language
- o Quick and simple coding for the most common utility functions
- o Ability to perform unusual or complex functions
- o Reduced programming time and effort

GCOS utilities can be divided into three functional classes. Service utilities perform functions relating to the management and processing of files and volumes. Library maintenance utilities perform the creation, deletion, and manipulation of user libraries and library members. The output writer utility is responsible for the management and printing of system and user output data. The Test Data Generator utility program consists of three separate modules: interface, compiler, and file generation.

*The interface module* provides compatibility with two high-level languages: COBOL, FORTRAN and RPG. If users prefer to use RPG input, they can replace the COBOL or FORTRAN interface module with the RPG interface module. This module translates the input statements into intermediate statements the compiler recognizes.

*The compiler module* performs syntax checks on the input statements and produces a set of internal tables necessary for creating and loading the test data file. An exten-

sive diagnostic routine detects input statement errors. The TDG program stops if an error is detected. If recovery is possible, it provides the operator with the necessary messages either to correct the error or to restart the operation.

*The file generating module* creates and loads the test data file onto a specified storage device. In addition, a listing of the file can be requested.

**MINIMUM HARDWARE REQUIREMENTS:** Hardware requirements vary depending on utility being executed. Service and library need a maximum of 28K bytes of main memory. Output writer can be scheduled as a step and is launched as a separate activity that requires 14K bytes of memory.

**OPERATING SYSTEM:** GCOS Level 62

**DOCUMENTATION:** Product Brief (AL38)  
Level 62 Utility Programs Manual (AL18)

**SHIPPING MEDIUM:** (SBU 0007)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**VOLUME MAP UTILITY UL**

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**DESCRIPTION:** This program is used to insert the volume map program (VOLMAP) into the load module library, insert its macro into the macro library, and launch the program.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 62 central processor

**OPERATING SYSTEM:** GCOS Level 62

**PROGRAMMING LANGUAGE:** RPG

**DOCUMENTATION:** Supplied with system or available from Software Documentation MS209, 151 Needham St., Newton, MA 02161

**SHIPPING MEDIUM:** Cassette (A1507)

**ORDERING PROCEDURE:** Contact Software Documentation MS209, 151 Needham St., Newton, MA 01261



# **Section 3**

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**SERIES 1600**

**SERIES 200/2000**

**SERIES 60 LEVEL 64**

**SECTION 3  
 SERIES 1600  
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 SERIES 60 LEVEL 64**

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# Section 3

## SERIES 1600

## SERIES 200/2000

## SERIES 60 LEVEL 64

### FINANCIAL MANAGEMENT

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#### ACCOUNTS PAYABLE SYSTEMS B AND D (TAPE) HDA

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**DESCRIPTION:** Honeywell's Accounts Payable Systems B and D provide efficient processing of accounts payable. These systems offer efficient magnetic-tape processing within low memory requirements. Features provide the user with all of the following:

- o Simplified operating techniques
- o Comprehensive management reports
- o Input verification
- o Cash Requirements Report before checks are written
- o Reconciliation of returned and voided checks
- o Complete disbursement history
- o Allocation of expense
- o Aging Report
- o Invoice Register

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 with 8,192 characters of memory for System B and 16,384 characters of memory for System D
- o Advanced programming and editing instruction features
- o Three tape units and a tape control for System B and four tape units and tape control for System D
- o 120-position printer for System B and 132-position printer for System D
- o Card reader

**OPERATING SYSTEM:** BASIC/Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BE79)  
Functional Description (BE30)

**SHIPPING MEDIUM:** Accounts Payable B Card Image Tape (A0404)

Accounts Payable D Master Source Program Library Tape (A0405)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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#### ACCOUNTS PAYABLE SYSTEM D (DISK) HDA

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**DESCRIPTION:** The Accounts Payable System D (Disk) is functionally compatible with the processing characteristics of the Accounts Payable System B. The essential elements of the Accounts Payable System D (MSR) include entry of invoices, debit memos, prepaid checks,

check releases and vendor update information at any time. Payments are processed from due invoices and debit memos items, and checks are printed, listed on the check register and recorded in the check history file. Expenditures are then allocated to the individual departments or accounts. The reports produced include:

- o Checks
- o Invoice Register
- o Cash Requirement Report
- o Check Register
- o Check History Report
- o Year-To-Date Vendor Totals Report
- o Distribution Report
- o Reconciliation Report
- o Aging Report

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 with 16,384 characters of memory
- o Card reader
- o Card punch
- o 120-position printer
- o Two disks
- o Advanced programming and editing instruction features

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AA55)  
Functional Description (AA60)  
Implementation Guide (AA65)

**SHIPPING MEDIUM:** Card Image Tape (A0418)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

---

#### ACCOUNTS PAYABLE SYSTEM F (DISK) HDA

---

**DESCRIPTION:** The Accounts Payable System F (Disk) provides a complete system for the control and payment of accounts payable liabilities. It features:

- o Multiclient or division processing
- o Input verification and transaction control
- o Cash Requirements Report before checks are written
- o Complete payment control
- o Complete file maintenance
- o Calculates discount
- o Reconciliation of returned and voided checks
- o Continuing transaction and disbursement histories
- o Allocation of expenses
- o Accumulation of vendor statistical information
- o Aging

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 with 24,576 characters of memory
- o Advanced programming and editing instruction features
- o Two disk pack drives and a disk control
- o 120-position printer
- o Card reader

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BF96)  
Functional Description (BG04)

## FINANCIAL MANAGEMENT

Product Brief (BG08)

Application Summary (BG05)

**SHIPPING MEDIUM:** Card Image Tape (A0411)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

---

### ACCOUNTS RECEIVABLE BALANCE FORWARD (TAPE)

HDA

**DESCRIPTION:** The system provides all of the reports and records – journals, customer statements and trial balances usually associated with Accounts Receivable. Additionally, it maintains complete control over receivables, helps to improve collections and regulate credit, highlights troublesome accounts and finally, provides management with accurate, comprehensive controls.

Retail stores, clubs, restaurants, etc., faced with the ever increasing problem of monetary claims are particularly adaptable to this system.

For the business organization, a system that ensures prompt collection of Accounts Receivable provides the regular cash flow essential to profitable business operations.

From the customer service aspect, efficient and accurate handling of their accounts enhances customer satisfaction.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 with 32K characters of memory
- o Magnetic tape system with five tape units
- o Card reader and punch

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Accounts Receivable Balance Forward Reference Manual (CAP13)

**SHIPPING MEDIUM:** MSPLT (A0423)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

#### SPECIFIC PROVISIONS:

- NOTES: 1. This is contributed application (CAP) and is an unsupported product.
2. Because of a prior agreement between Honeywell and the submitter, special rules govern the license to use the Accounts Receivable Balance Forward System. *Honeywell customers may be licensed to use this system only for the processing of their own data; with the provision of having met such requirements, customers may process the data of others in the same business as well.*

A user wishing to implement the Accounts Receivable Balance Forward System *must* contact the following:

Marketing Manager  
Financial Management Systems MS 495  
Honeywell Information Systems Inc.  
200 Smith Street  
Waltham, MA 02154

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### ACCOUNTS RECEIVABLE SYSTEMS B AND D (TAPE)

HDA

**DESCRIPTION:** Accounts Receivable Systems B and D perform both open-item and balance-forward accounts receivable processing. Accounts Receivable Systems B and D consist of three distinct processing cycles: The daily cycle, the billing cycle, and the maintenance cycle. The daily cycle is used to edit, analyze, validate, and report on the daily transactions, and to assign product descriptions to balance-forward and open-item transactions. During the billing cycle, accounts are aged and updated (open-items purged as a result of normal processing are written on the respective history file), billing statements are prepared, account balances and credit amounts are analyzed, inactive accounts are identified, and all reports required for an efficient billing operation are prepared. The maintenance programs are used to update and maintain the systems' master files to ensure that only the most accurate and up-to-the-minute operating information is available to the user at all times. Features include:

- o Daily Reports
  - Daily Account Activity Report
  - Unbilled Account Report
  - Summarized Unbilled Account Report
  - Transaction Register (on which cash receipts are isolated and totaled)
- o Billing Reports
  - Aging Report
  - Billing Statement
  - Authorization Report
  - Credit Analysis Report
  - Credit Balance Report
  - Account Inactivity Report
  - Trial Balance Report

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 with 8,192 characters of memory for System B and 16,384 characters of memory for System D
- o Advanced programming and editing instruction features
- o Three magnetic tape units for System B and four magnetic tape units for System D
- o Tape control
- o 120-position printer
- o Card reader

**OPERATING SYSTEM:** BASIC/Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BF34)  
Functional Description (BF35)  
Product Brief (BF25)

**SHIPPING MEDIUM:** Accounts Receivable B Card Image Tape (A0402)  
Accounts Receivable D Master Source Program Library Tape (A0403)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

**ACCOUNTS RECEIVABLE  
SYSTEM D (DISK) HDA**

**DESCRIPTION:** The Accounts Receivable System D (Disk) incorporates the design and processing features of the Accounts Receivable System B into a pure disk hardware environment. The system features the capability of processing both Balance-Forward and Open-Item modes of Accounts Receivable in a multiclient, multicycle environment. The system provides all of the reporting and audit processing essential to efficient Accounts Receivable processing. The reports produced include: Customer statements, six-period aging report, trial balance, credit authorization report, credit analysis report, account inactivity report, transaction register, batch edit report and various edit and error listings.

It features the following:

- o Six billing cycles
- o Automatic descriptions on statements
- o Standard transaction input card
- o Handles discounts
- o Special customer discounts
- o Mailing code
- o Stuffing code
- o Credit management reports
- o Balance-Forward provides several optional methods

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 with 16,384 characters of memory
- o Printer
- o Card reader
- o Card punch
- o Two disks
- o Advanced programming and edit instruction features

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AA57)  
Functional Description (AA48)  
Implementation Guide (AA67)

**SHIPPING MEDIUM:** Card Image Tape (A0419)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

**ACCOUNTS RECEIVABLE  
SYSTEM F (DISK) HDA**

**DESCRIPTION:** Honeywell's Accounts Receivable System F (Disk) processes accounts receivable by using disk devices. Built around a multiclient concept, this accounting system performs functions relating to the analysis, verification and maintenance of accounts receivable transactions as well as the required operations for a multicustomer-oriented and multicycle billing process. It features the following:

- o Both open-item and balance-forward accounts receivable processing
- o Multiclient processing and multicycle billing
- o Processing multiple notes receivable charges
- o Processing subsidiary account data within corporate and branch structures
- o Comprehensive reporting capabilities
- o Complete and accurate statements

- o Input verification and transaction control
- o Standardized transaction input
- o COBOL-coded and fully documented system
- o Maintenance of customer credit history information
- o Handles discounts
- o Mailing code for statements
- o Balance forward provides several optional methods

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 with 24,576 characters of memory
- o Advanced programming and editing instruction features
- o Two disk pack drives and disk control
- o 120-position printer
- o Card reader

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BF95)  
Functional Description (BG11)  
Product Brief (BG09)

**SHIPPING MEDIUM:** Card Image Tape (A0412)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

**ALCIE ARI**

**DESCRIPTION:** ALCIE, an acronym for assets, liabilities, capital, income, and expense, is a complete financial management package. It provides:

- o Journals by source, i.e., sales, cash receipts, check register, payroll distribution, purchases, payroll, and journal entries.
- o Detail general ledger featuring virtually unlimited scheduling of each ledger account, alpha descriptions, departmental breakdowns, trial balance worksheets, and freedom in selecting chart of accounts.
- o Operating statement featuring report generator controls, optional suppression of account numbers, composite P & L, consolidated P & L/balance sheet, multiple departments and budgeting, payroll earnings records integrated with the general ledger, crossfooting of P/R checks, 941As, W-2s.
- o Job cost ledger featuring integration with general ledger, payroll distribution to jobs and phases within jobs, automatic closing of jobs to P & L, reporting formats for contractors-engineers-inventory in process, detail for each job retained perpetually, and budgeting by phase of job.
- o Accounts receivable featuring open item balance forward, integration with General Ledger, age analysis, customer statements, and mailing labels.
- o Accounts payable featuring integration with the general ledger, open item, balance forward, age analysis with deferred invoices aged forward, vouchers, checks, and mailing labels.

Flexibility is achieved through the powerful client control section which is easily set up usually in less than a half hour. The virtually unrestricted use of an 18-digit general ledger account number (2-department, 4-prime, 6-sub, 6-sub/sub) in designing a chart of accounts further adds to the systems power. Well thought out file structures lend themselves to the accumulation of a variety of information useful in reporting beyond the standard reports.

## FINANCIAL MANAGEMENT

Further, all input, regardless of source, is of the same format and no concern need be given to the sequence of input data. Operator intervention during a run is limited only to proper forms and alignment in the printer. The package is valuable for turnkey financial applications as well as for service bureau operations.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 Model 105 central processing system with 32K characters of memory
- o Two disks (Type 173-2)
- o Card reader and punch or reader/punch

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance unsupported after initial installation.

**I.D. NUMBER:** 5 01 0330

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### GENERAL LEDGER F(DISK) HDA

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**DESCRIPTION:** Product enhancements for the F level system include: vertical journal formats, the reporting of the fourteen analytical ratios and the capability of producing interim ledger books and flow of funds statements.

The system provides for the classification, summarization and recording of all assets, liabilities, revenue and expenses. The system follows general accounting concepts relating to the analysis, control and journalizing of all transactions for the subsequent creation of balance sheets, income statements, general ledgers, subledgers, trial balance reports and journals. Financial statements can be multilevel. System operates in multiclient environment. Each company can use its own chart of accounts and its own fiscal accounting period. Budget is not provided.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 with 24,576 characters of memory
- o 120-position printer
- o Two disk drives
- o Card reader
- o Card punch
- o Advanced programming and editing instruction features

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (AG72)

**SHIPPING MEDIUM:** Card Image Tape/Disk (A0422)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** This application with Budget Capabilities is available at a nominal charge; contact Marketing Manager.

**NOTE:** This is an unsupported product.

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### GENERAL LEDGER AND FINANCIAL REPORTING SYSTEM REF

---

**DESCRIPTION:** The General Ledger and Financial Reporting System runs in a TOTAL environment on Honeywell Series 2000 computers. It gives corporate executives greater up-to-date information and more control over subsidiary companies and/or operating divisions.

It provides executives, department heads and accountants with the ability to request, design, and implement their own unique reports. Once these reports are prepared, they are stored in the report master file so that the information is provided automatically from then on.

The reports provided include financial statements with comparisons to budget, cash flow, cost center and responsibility, project, cost center and product reporting.

### System Benefits

Some of the advantages of this system are:

- o Capability for handling any General Ledger account numbering system
- o Ability to handle multiple General Ledger account coding systems simultaneously for subsidiaries
- o Faster period reporting
- o Powerful allocation capability that allows the user to perform both fixed and variable allocations, utilizing variable percentages calculated from a ratio of both dollar and nondollar statistical type input (i.e., people, units of measure, etc.)
- o Powerful report writer to provide greater management information and control without constant reprogramming and maintenance
- o Simple input forms to allow accounting to establish its own pyramid of accounts and alter the organization if necessary
- o System handles complex consolidations of subsidiaries with unlike charts of accounts that even involve currency conversion
- o Complete responsibility reporting inherent in the capabilities of the system as well as future online inquiry
- o Validation of General Ledger account numbers during the edit runs, plus the extensive control capabilities of the system, providing user with a system that has been approved and praised by the major auditing firms in the nation.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 2000 central processor with 16K memory
- o Tape drive

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** User's Guide furnished with the system

**SHIPPING MEDIUM:** System furnished by Software International

**ORDERING PROCEDURE:** Contact Financial Management Systems Marketing Manager MS 495.

---

### GENERAL LEDGER SYSTEMS B AND D (TAPE) HDA

---

**DESCRIPTION:** Honeywell's General Ledger Systems B and D perform comprehensive general ledger accounting functions. Basically, these systems provide for the classifying, summarizing and recording of all transactions on assets, liabilities revenue and expenses. The systems follow general accounting concepts relating to the analyzing, controlling and journalizing of all transactions for subsequent creation of balance sheets, operating statements, general ledgers, subledgers, trial balance reports, journals and journal summaries. Features included are:

- o Multilevel statement preparation
- o Multiple fiscal reporting



- o Multiple company reporting
- o Multiple user-specialized reports

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 with 8,192 characters of memory for System B and 16,384 characters of memory for System D
- o Advanced programming and editing instruction features
- o Three magnetic tape units and a tape control
- o 120-position printer
- o Card reader and punch (either separate or combined)

**OPERATING SYSTEM:** Basic Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BE77)

**SHIPPING MEDIUM:** General Ledger B Card Image Tape (A0406)

General Ledger D Master Source Program Library Tape (A0407)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

---

**GENERAL LEDGER  
SYSTEM D (DISK)**

**HDA**

**DESCRIPTION:** The system features the complete processing of the bookkeeping cycle from initial entry through production of the profit and loss statement. The system has the capability of operating in a multiclient, multifiscal period environment while processing with free-form charts of accounts structure.

Functionally, the system processes in the Balance-Forward-Current-Month Detail mode with provision for four levels of income statement. The reports produced include: General Ledgers, Journal Summaries, Subsidiary Ledger, Operating Statements and Balance Sheets. Budget is not provided.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 with 16,384 characters of memory
- o Two disks
- o 120-position printer
- o Card reader
- o Card punch
- o Advanced programming and editing instruction features

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AA56)

Functional Description (AA82)

Implementation Guide (AA68)

**SHIPPING MEDIUM:** Card Image Tape (A0420)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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**GENERAL LEDGER F WITH BUDGETS**

**FDA**

**DESCRIPTION:** The system classifies, summarizes, and records all assets, liabilities, revenue, and expenses. The system follows general accounting principles relating to the analysis, control, and journalizing of all transactions for the subsequent creation of balance sheets, income statements, general ledgers, subledgers, trial balance reports, and journals. Financial statements can be multi-level and the system operates in multiclient environment. Each company can use its own chart of accounts and its own fiscal accounting period.

The following enhancements have been included in this version. A budget file has been added to the system and comparative reports are provided to show comparison of actual to budgeted expense. Files have been reorganized to make the system operate more efficiently. General Ledger Master has been changed from 114 to 69 characters. One set of records with report code are written from which all ledgers and trial balance are printed. Ledgers print detail description on each detail line and the account title is the heading line.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 24,576 characters of memory
- o 120-position printer
- o Two disk drives
- o Card reader
- o Card punch
- o Advanced programming and editing features

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Available from Marketing Manager.

**ORDERING PROCEDURE:** Contact Marketing Manager, Financial Management Systems, MS 496, Honeywell Information Systems Inc., 200 Smith Street, Waltham, MA 02154.

**SPECIFIC PROVISIONS:** Support will be provided by author. There is a nominal charge for this product.

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**PAYROLL**

**ARI**

**DESCRIPTION:** This set of programs edits and balances payroll input cards and calculates Gross Pay, Federal Withholding Tax, FICA, State Taxes, City Taxes, Voluntary Deductions, One Time Deductions and Net Pay.

Some features of the system follow:

- o Handles weekly, biweekly, semimonthly, monthly or quarterly payroll frequency.
- o Allows multiple checks to be printed.
- o Handles meals and tips.
- o Allows a balance type deduction (certain amount each pay period until balance is zero).
- o Allows percentage type deduction (to a maximum amount).
- o Allows exception type reporting for salaried employees if desired.
- o General Ledger account number and job category are included in employee's master allowing automatic accounting and job costing.

## FINANCIAL MANAGEMENT

- o Hire date, termination date and date of last salary change are included.
- o Automatic byproducts include alphabetical employee list, labor distribution, Employee Quarterly Earnings Report, and Employee Annual Earnings Ledger.

Usage is daily.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 with 64K bytes memory
- o Two disk units
- o Three tapes
- o Card reader
- o Printer

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 01 0106

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### **PAYROLL SYSTEM D (DISK) HDA**

**DESCRIPTION:** The General Payroll System D (Disk) is functionally compatible with the processing characteristics of the General Payroll Systems B and D (COBOL). Operating in a multiclient environment, General Payroll System D (MSR) is capable of processing salary or hourly payrolls employing varying pay rates and voluntary deductions and specifying any or all of the payroll calculators and reports available. Each employee may have a maximum of two pay rates, with overtime for both rates. Up to six voluntary deductions can be specified, three of which may have limits on maximum amount or balance amount. Pay frequency can be specified as weekly, biweekly, semimonthly or monthly. The reports produced include: payroll checks, a payroll journal, time sheets, employee earnings report, and 941-A and W-2 reports.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 with 16,384 characters of memory
- o Card reader
- o Card punch
- o 120-position printer
- o Two disk drives
- o Advanced programming and editing instruction features

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AA54)  
Implementation Guide (AA66)  
Functional Description (AA62)

**SHIPPING MEDIUM:** Card Image Tape (A0421)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** This is an unsupported product. Any copy ordered from the Distribution Library will not be updated with current tax changes.

Refer to APF6003 for Payroll Tax Maintenance Service. Upon receipt of a HASP contract, the user will receive notices of intervening updates.

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### **PAYROLL SYSTEM D EASYCODER (TAPE)**

**HDA**

**DESCRIPTION:** Honeywell's Payroll System D, coded in EasyCoder, is a flexible multipayroll system capable of processing regular, cash, one-check bonus and/or restaurant payrolls with up to seven rates of pay and with up to ten voluntary deductions per employee. The system provides for automatic withholding of federal, state and FICA taxes. History and master files, maintained by the system, include information for all payrolls. Payroll System D produces the following reports:

- o Employee Earnings Record
- o Department Summary
- o Payroll Journal/Check Register
- o Time Sheet
- o Payroll Checks
- o Quarterly and Annual Payroll Reports, including 941-A and W-2 forms

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 with 16,384 characters of memory
- o Advanced programming and editing instruction features
- o Card reader
- o Card punch
- o 132-position printer
- o Four magnetic tape units

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** EasyCoder

**DOCUMENTATION:** Handbook (BB18)

**SHIPPING MEDIUM:** General Payroll D EasyCoder Source Program Tape (A0401)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** This is an unsupported product. Any copy ordered from the Distribution Library will not be updated with current tax changes.

Payroll Tax Maintenance Service contract is not offered for this product.

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### **PAYROLL SYSTEM F (DISK) HDA**

**DESCRIPTION:** Payroll System F (Disk) is built around a multipayroll concept. This system offers the capability for batch processing payrolls of various types. Features include the following:

- o Multiclient payroll processing
- o All payroll data maintained on one file
- o Automatic creation of files
- o Random input of earnings and file maintenance information
- o Input verification and transaction control
- o Weekly, biweekly, semimonthly and monthly
- o Multiple types of payroll
- o Hourly and salary
- o Variable pay calculation — several rates per employee
- o Multiple cost center expense distribution
- o Tax calculations and eight user-specified deductions

- o Multiple check combination
- o Automatic payment of salaried employees
- o Comprehensive reporting
- o COBOL-coded and fully documented system
- o Ease of implementation
- o Check reconciliation

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 with 24,576 characters of memory
- o Two disk pack drives and a disk control
- o 120-position printer
- o Card reader/punch
- o Advanced programming and editing instructions

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BF98)

Functional Description (BG15)

Product Brief (BG10)

Application Summary (BG07)

**SHIPPING MEDIUM:** General Payroll F Card Image Tape (A0413)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

Refer to APF6004 for Payroll Tax Maintenance Service. Upon receipt of a HASP contract, the user will receive notices of intervening updates.

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**PAYROLL SYSTEMS B AND D  
(COBOL) (TAPE)**

**HDA**

**DESCRIPTION:** Honeywell's Payroll Systems B and D (COBOL) solve the complete payroll problem. The systems provide statement and form selection, multiple deductions, and choice of pay rate, frequency, and type. Payroll Systems B and D satisfy government accounting requirements and provide a complete range of tax calculations.

It features the following:

- o Multiple types of payroll
- o Variable pay periods
- o Automated multipayroll processing
- o Multiple pay rates
- o Automatic creation of files
- o Random input of earning and file maintenance information
- o Input verification and transaction control
- o Tax calculations and user-specified deductions
- o Variable check format
- o Multiple checks for employees
- o Magnetic tape processing
- o Ease of implementation

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 with 8,192 characters of memory for System B and 16,384 characters of memory for System D
- o Advanced programming and editing instruction features
- o Three magnetic tape units and tape control for System B and four magnetic tape units and tape control for System D
- o 120-position printer
- o Card reader

**OPERATING SYSTEM:** Basic/Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BE78)

**SHIPPING MEDIUM:** General Payroll B Card Image Tape (A0410)

General Payroll D COBOL Master Source Program Library Tape (A0417)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** This is an unsupported product. Any copy ordered from the Distribution Library will not have been updated with current tax changes.

Refer to APF6001 and APF6002 for Payroll Tax Maintenance Service.

Upon receipt of a HASP contract, the user will receive notices of intervening updates.

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**PAYROLL SYSTEM B  
TAX MAINTENANCE**

**HDA**

**DESCRIPTION:** This is a payroll tax maintenance service for existing Federal and State tax routines in the Series 200/2000 Payroll System B (COBOL) (Tape) (A0410).

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 with 8,192 characters of memory for System B and 16,384 characters of memory for System D
- o Advanced programming and editing instruction features
- o Three magnetic tape units and tape control for System B and four magnetic tape units and tape control for System D
- o 120-position printer
- o Card reader

**OPERATING SYSTEM:** Basic/Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BE78)

**SHIPPING MEDIUM:** Program changes are sent direct to subscriber (APF6001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is Fiscal Year December through November

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**PAYROLL SYSTEM D TAX  
MAINTENANCE (TAPE)**

**HDA**

**DESCRIPTION:** This is a payroll tax maintenance service for existing Federal and State tax routines in the Series 200/2000 Payroll System D (COBOL) (Tape) (A0417).

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 with 8,192 characters of memory for System B and 16,384 characters of memory for System D
- o Advanced programming and editing instruction features
- o Three magnetic tape units and tape control for System B and four magnetic tape units and tape control for System D
- o 120-position printer
- o Card reader

**OPERATING SYSTEM:** Basic/Mod 1 (TR)  
**PROGRAMMING LANGUAGE:** COBOL  
**DOCUMENTATION:** Implementation Guide (BE78)  
**SHIPPING MEDIUM:** Program changes are sent direct to subscriber (APF6002)  
**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.  
**SPECIFIC PROVISIONS:** Minimum license term is Fiscal Year December through November

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**PAYROLL SYSTEM D TAX MAINTENANCE (DISK) HDA**

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**DESCRIPTION:** This is a payroll tax maintenance service for existing Federal and state tax routines in the Series 200/2000 Payroll System D (COBOL) (Disk). (A0421)  
**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 with 16,384 characters of memory
- o Card reader
- o Card punch
- o 120-position printer
- o Two disk drives
- o Advanced programming and editing instruction features

**OPERATING SYSTEM:** Mod 1 (MSR)  
**PROGRAMMING LANGUAGE:** COBOL  
**DOCUMENTATION:** Product Brief (AA54)  
 Implementation Guide (AA66)  
 Functional Description (AA62)  
**SHIPPING MEDIUM:** Program changes are sent direct to subscriber (APF6003)  
**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.  
**SPECIFIC PROVISIONS:** Minimum license term is Fiscal Year December through November

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**PAYROLL SYSTEM F TAX MAINTENANCE HDA**

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**DESCRIPTION:** This is a payroll tax maintenance service for existing Federal and State tax routines in the Series 200/2000 Payroll System F (Disk). (A0413)  
**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 with 24,576 characters of memory
- o Two disk pack drives and a disk control
- o 120-position printer
- o Card reader/punch
- o Advanced programming and editing instructions

**OPERATING SYSTEM:** Mod 1 (MSR)  
**PROGRAMMING LANGUAGE:** COBOL  
**DOCUMENTATION:** Implementation Guide (BF98)  
 Functional Description (BG15)  
 Product Brief (BG10)  
 Application Summary (BG07)  
**SHIPPING MEDIUM:** Program changes sent direct to subscriber. (APF6004)  
**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.  
**SPECIFIC PROVISIONS:** Minimum license term is Fiscal Year December through November

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**CONSTRUCTION PROJECT CONTROL (DISK) HDA**

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**DESCRIPTION:** The Construction Project Control System (CPC) provides a flexible tool (Precedence Network Scheduling) for planning, monitoring and managing construction projects. The system helps the builder meet contract schedules and deadlines while employing the best utilization of labor and resources under changing conditions.  
**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 central processor with 20K of memory
- o Two disks
- o 132-position printer
- o Card reader
- o Card punch

**OPERATING SYSTEM:** Mod 1 (MSR)  
**PROGRAMMING LANGUAGE:** COBOL/Easycoder  
**DOCUMENTATION:** CPC Reference Manual (CAP06)  
**SHIPPING MEDIUM:** Disk Image Tape (DIT) (A1201)  
**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.  
**SPECIFIC PROVISIONS:** NOTE: This is a contributed application and is an unsupported product.

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**DISCOUNTED CASH FLOW SYSTEM (TAPE/DISK) HDA**

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**DESCRIPTION:** The Discounted Cash Flow System obtains an accurate and timely rate of return on investment by analyzing all cash flows, applying correction factors, such as rebates or depreciation, and entering an interactive loop to determine the best rate of return for the data supplied. The output shows both the corrected values (to the year zero) and the initial values, direction of flow, the rate of return or discount, the taxable items and the depreciated items. Also, a comprehensive diagnostic listing shows all coding errors in the output data.  
 Ideally, the higher the rate of return on investment, the greater the economic feasibility of the project. The project can be anything from research to manufacturing. The system is flexible and easy to use.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 with 28K of memory
- o Printer
- o Card reader
- o Loading device, either tape or disk

**OPERATING SYSTEM:** Mod 1 (TR) or Mod 1 (MSR)  
**PROGRAMMING LANGUAGE:** FORTRAN  
**DOCUMENTATION:** Discounted Cash Flow Reference Manual (CAP08)  
**SHIPPING MEDIUM:** Binary Run Tape (BRT) (A-1202)  
**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.  
**SPECIFIC PROVISIONS:** NOTE: This is a contributed application and is an unsupported product.

MANAGEMENT SCIENCE

**BUSINESS ECONOMIC STATISTICAL OPERATING SYSTEM – BESTOP (TAPE) HDA**

**DESCRIPTION:** The Business Economic Statistical Operating (BESTOP) System originated at the Office of Business Economics (OBE), Washington, D.C., in 1965. From there the system has evolved into an easy-to-use programming language that is particularly effective in report writing, file maintenance, data retrieval and similar applications.

The BESTOP language is the principal language used for applications programming in OBE and has been used extensively by several other agencies of the federal government. While there is no accurate estimate of the number of programs that have been written in BESTOP, it numbers in the tens of thousands in OBE alone.

Stated briefly, BESTOP is a report-generator-like system (load and go) developed for fast turnaround on a large number of relatively short jobs. The manual has been completely rewritten and reformatted to ease comprehension and implementation.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 central processor with 32,768 characters of memory
- o Tape drive
- o Card reader
- o Printer
- o Advanced programming, multiply and divide, and editing instruction options

**DOCUMENTATION:** BESTOP Programming Guide (CAP04)

**SHIPPING MEDIUM:** Source Program Tape (BRT) (A1601)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is a contributed application (CAP) and is an unsupported product.

MANUFACTURING

**COMPUTER SCHEDULING SYSTEM UDA**

**DESCRIPTION:** The Computer Scheduling System facilitates the multiprogramming of tape oriented batch processing jobs by providing complete scheduling and documentation capabilities. At the same time it leaves final control in the hands of Shift Supervisors/Schedulers, recognizing their responsiveness to the particular requirements of their shops. The various reports and other documentation produced are:

- o Console analysis schedule
- o Tape handler's schedule
- o Tape library list
- o Tape librarian's pull list
- o Printed tape labels
- o Tape library card
- o JCL generation
- o Report of tape library inventory
- o Report of potential scratch tapes
- o Distribution labels
- o Programmer's scratch list

The Computer Scheduling System is backed by years of successful use in planning, controlling, and documenting the operation of a computer center. The system provides for a smooth flow of work through automated planning and scheduling, so that inputs are ready when needed and no unjustifiable interruptions are experienced.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 131K characters of memory
- o Disk unit
- o Five tape drives
- o Card reader/punch
- o Printer

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AR45)  
System Handbook (AR57)

**ORDERING PROCEDURE:** Contact Marketing Manager, Manufacturing Systems, MS 495, Honeywell Information Systems Inc., 200 Smith Street, Waltham, MA 02154

**SPECIFIC PROVISIONS:** This is an unsupported product.

**FORECASTER/CONTROLLER (DISK) HDA**

**DESCRIPTION:** Forecaster is a completely coded application package using scientific mathematical techniques to predict future activity based on historical performance. Controller calculates economic order quantity, reorder point and safety stock for an inventory control application. It is a complete MACRO system which is specialized to the user's requirements.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 central processor with 24,576 characters of memory
- o Two disks
- o Printer
- o Card reader
- o Advanced programming and editing instruction features

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** Easycoder C&D

**DOCUMENTATION:** Forecaster/Controller System Handbook (AA96)  
Field Support Guide –

Forecaster/Controller Product Brief (BJ90)  
Forecaster/Controller Application Summary (BG32)

**SHIPPING MEDIUM:** Card Image Tape (A0920)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

**GOVERNMENT SMALL BUSINESS REPORTING ARI**

**DESCRIPTION:** This system provides, on an automated basis, all the information needed to complete the Subcontracting Statistical Report, SBA form 745. In addition, workload breakdowns by buyer and vendor are provided monthly including year-to-date totals. Source input is a preprinted card completed by the buyer when the purchase order is written.

## MANUFACTURING

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 Model 200 central processor with 48K characters of memory
- o Four tapes
- o Card reader
- o Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 11 0318

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### INVENTORY MANAGEMENT SYSTEM EXTENDED (DISK)

HDA

**DESCRIPTION:** This package consists of a set of pre-coded COBOL programs that manage the materials and resources inventory of a manufacturing business by planning, reporting and controlling the replenishment plans at all levels of the product structure. It provides satisfactory customer delivery performance while optimizing the investment in raw, in-process and finished goods.

The system consists of three subsystems:

- o Inventory Reporting/Bill of Material – provides material item and product structure maintenance and offers a wide range of reporting capabilities, which include material profile, multilevel parts list, where used reports, etc.
- o Material Requirements Planning/Resource Inventory Planning – provides requirements/resource management and reporting capabilities. Reports include order/demand status reporting, order release and expedite reporting, etc.
- o Standard Cost Control – provides multilevel cost maintenance and reporting. Reports include cost implosion, cost analysis, etc.

The system performs the following functions:

- o Builds and maintains a central Bill of Materials file
- o Accepts gross requirements at any product structure level
- o According to the user's parameters and item types, makes a plan to satisfy gross requirements by computing time phase net requirements – supply orders – for production and purchasing
- o Performs resources planning and control for master scheduling plant simulation and order feasibility
- o Explode net requirements through the product structure to determine components requirements
- o Controls the release and monitors the status of supply orders
- o Responds to changes in product structures by adjusting demands on planned orders and highlights changes on released orders
- o Provides interface capabilities with PSC/2000, which includes:
  - Automatic Order Transfer
  - Common Feedback Handling
  - Lead Time Transfer
  - Standard Cost Integration
- o Reacts to changes in materials requirements and inventory status by reviewing their replenishment plan
- o Allows the user to simulate the effects of any cost change and to update standard costs of assemblies and end-products by cost implosion
- o Provides exception processing and reporting

### MINIMUM HARDWARE REQUIREMENTS:

Series 200/2000

- o Series 200 with 49,152 characters of memory or Series 2000 with 49,152 character partition
- o Two disk drives
- o Card reader
- o 132-position printer
- o Card punch (optional)

Series 60 Level 64

- o Model 64/20 central processor
- o Two disk drives
- o Card reader
- o Printer
- o Card punch (optional)

**OPERATING SYSTEM:** Mod 1 (MSR), OS/200, OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AK73)  
Sales Brochure (AK74)

**SHIPPING MEDIUM:** Series 2000 Level 64 Inventory Reporting/Bill of Materials (APM0014 ADM0010)  
Material Requirement Planning/Resource Inventory Planning (APM0024 ADM0011)  
Standard Cost Control (APM0034 ADM0012)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Specify Mod 1 or OS/2000 version. Minimum license term is 12 months.

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### PREVENTIVE MAINTENANCE

ARI

**DESCRIPTION:** On a weekly basis and on a preestablished maintenance interval basis, this automated system generates Preventive Maintenance Work Order card(s) for equipment requiring maintenance.

The card indicates the location of the equipment, the number and description of the item, the type of maintenance required, and the specific Preventive Maintenance manual in which the detailed maintenance instructions appear. This card is used by tradesman to record performed maintenance and the time expended.

The work order cards are then input to the system to provide the data for the performance reports generated on a weekly, monthly, and annual basis.

Each item of equipment requiring maintenance is established on a master file consisting of header data (basic machine information such as equipment identification, description, year built, serial number, etc.) and trailer information which identifies the specific maintenance requirements. Each item on file may have up to ten individual trailers coded to identify specific trades such as electrical, air conditioning, and plumbing. The maintenance requirements or instructions are related to the coded trades and are printed on the weekly maintenance work orders.

The weekly maintenance activity report employs a special coding technique to indicate whether or not maintenance has been performed and, if it was performed within the time allocated. This report also summarizes the total hours expended to perform the maintenance function versus the estimated hours.

# MANUFACTURING / FABRICATION/TRANSPORTATION EQUIPMENT

The other reports provided by the system are as follows:

- o Monthly summary of preventive maintenance activity.
- o A monthly workload projection report by maintenance trade.
- o A quarterly summary of preventive maintenance activity.
- o An annual summary which reflects a full year's maintenance activity by type of maintenance and the week within each month it was performed.

## MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processing system with 65K characters of memory
- o Three tapes

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 11 0328

## PRODUCTION SCHEDULING & CONTROL

**HDA**

**DESCRIPTION:** The Production Scheduling and Control package (PSC/2000) is a set of COBOL written programs designed to schedule, load, release and monitor the production in a shop environment, both on entire order and discrete operation levels.

The infinite subsystem offers capabilities as:

- o Creation and maintenance of production files: routings, work centers and work-in-process
- o Work-in-process scheduling and loading to infinite work center capacity
- o Operation splitting and overlapping options
- o Production control reporting including advanced feedback features

The finite subsystem offers additional capabilities such as:

- o Shop throughput optimization by planned workload smoothing and realistic dates assignment
- o Per-machine operation sequencing, considering limited capacity, using dynamic queuing techniques and alternate work centers

The package is designed to stand alone or to be integrated, through inherent interfaces, with other Honeywell manufacturing packages, i.e., Series 2000 Inventory Management System.

## MINIMUM HARDWARE REQUIREMENTS:

### Series 200/2000

- o Series 200/2000 with 49K characters of memory
- o Two disk pack drives
- o Card reader
- o Card punch (optional)
- o 132-position printer

### Series 60 Level 64

- o Model 64/20 central processor
- o Two disk drives
- o Printer
- o Card reader

**OPERATING SYSTEM:** Mod 1 (MSR) and OS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AP26)  
Sales Brochure (AP28)

Summary Description (AP73)

System Handbook (AP77)

## SHIPPING MEDIUM: MSPLF Tapes

Series 200/2000

Infinite (APM0001)

Finite (APM0002)

Series 60 Level 64 (Compatibility Mode)

Infinite (ADM0003)

Finite (ADM0004)

Demo Discopy (available without a contract)  
(A0930)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

## FABRICATION/TRANSPORTATION EQUIPMENT

## ACCOUNTS RECEIVABLE

**ARI**

**DESCRIPTION:** Sales invoices and cash receipts are coded and batched by keypunch. Reports include: Invoice, Cash Receipt, Credit Memo, Write-Off and Adjustment Registers; Detailed Aged Trial Balance; Exception Reporting of delinquent accounts; zero balance list; Master List and Labels; Cash Receipts Distribution and Posting Register.

## MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 with 32K bytes of memory
- o Three disks
- o Reader punch
- o Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Complete user documentation

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 11 0018

## BILLS OF MATERIAL

**ARI**

**DESCRIPTION:** The Bills of Material is a complete system for manufacturing control. The system performs explosion in time series and nets inventory.

## MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 processor with 24K characters of memory
- o Five tape units

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Documentation and forms supplied.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 11 0141

## DISK OPEN-ITEM

## ACCOUNTS RECEIVABLE

**ARI**

**DESCRIPTION:** The system maintains an open-item accounts receivable file on magnetic disk. It adds new invoice summary records, deletes paid invoice records,

## FABRICATION/TRANSPORTATION EQUIPMENT

updates partial payments, sets up balances and deletes paid balances. Separate files are maintained of all invoice summary records and of all paid invoice records and balances. Month-end and past due registers and selected statements are run from the accounts receivable file with a name and address file, as well as posting sheets, paid lists and invoice lists.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 24K bytes of memory
- o Two disks
- o Tape
- o Printer
- o Card reader

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL/RPG

**DOCUMENTATION:** Flow charts, program narratives, operating procedures, files; allocations are included with all programs

**SHIPPING MEDIUM:** Card source decks

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Source decks may be changed as needed by purchaser.

**I.D. NUMBER:** 5 11 0192

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### DISK PAYROLL ARI

**DESCRIPTION:** The system maintains a disk master file of all employees with employee number, name, number of dependents, rate of pay, overtime rate, dates of employment, birth and last rate change, department, year-to-date amounts, quarterly amounts, current month amounts, and up to eight voluntary deductions. The system computes gross pay for semimonthly or hourly rates of pay, calculates and deducts federal, state and city taxes, prepares payroll registers and payroll checks. Quarterly tax reports and W-2 statements are also prepared. Several other reports such as listings of all employees showing rates of pay and other reports are also included. The system allows for several different payrolls to be in one master file that can be run at various times.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 24K bytes of memory
- o Two disks
- o Tape
- o Printer
- o Card reader

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL/RPG

**DOCUMENTATION:** Flow charts, program narratives, operating procedures, file allocations included with all programs

**SHIPPING MEDIUM:** Card source decks

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Source decks may be changed as needed by purchaser.

**I.D. NUMBER:** 5 11 0058

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### DSS MANUF ARI

**DESCRIPTION:** The system maintains raw materials and subassemblies as a product of final assemblies. Time requirements are broken into 40 categories and are maintained by subassemblies. The user prepares simple input of job number, finished product number(s), quantity, and year and week of assembly. The system will output all material and labor time required for the year and week(s).

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 Model 120 with 32K characters of memory
- o Two disks (172 type)
- o Card reader
- o Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option on per hour basis.

**I.D. NUMBER:** 5 11 0209

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### FIXED ASSET DEPRECIATION ARI

**DESCRIPTION:** The system depreciates an asset in any given interval for both book and tax applications. Add, change, delete or transfer any asset on the master file. The depreciation expense is done programmatically with the capability of flagging an asset when the method of depreciation is no longer practical. A book and tax expense report is available by tag number or by class within location.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 central processor with 32K
- o Two disks
- o Reader/punch
- o Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Complete user documentation

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 11 0019

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### PURCHASING ARI

**DESCRIPTION:** This application consists of 19 programs. Requires six files: vendor master, item master, open item P/O, sequential P/O, and two statistics. This system at present is not tied in with accounts payable. Performs the following functions:

- o Updates item master
- o Prints purchase item list showing three last purchase transactions
- o Edits P/O input and creates seq-purchase file
- o Prints rejected P/O
- o Updates open P/O file
- o Performs back order cycle
- o Prints purchase orders, daily receiving reports, and daily transaction register



# FABRICATION/TRANSPORTATION EQUIPMENT / PRIMARY METALS/PETROLEUM CHEMICALS

- o Expediting report has two options – over due items and one day warning
- o Updates goods received and cancellations
- o Month-end – purchases by vendor, by item, removes relieved purchase orders, and extends available P/O numbers on file

## MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 Model 200 central processor with 28K characters
- o Three disks (273)

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING INFORMATION:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 11 0362

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## **TOOLING/CAPITAL CONTROL** **ARI**

**DESCRIPTION:** The Tooling/Capital Control System is designed to provide a single standardized system for the authorizing, ordering, cost tracking, accountability, and disposition of special purpose items funded as tooling on divisional contracts and company assets funded as capital. It also provides the official property record of special purpose tooling, test equipment, gauges, and capital assets consisting of machine tools, test equipment, and computer equipment. The system provides for three distinct central functions:

- o Control of funding for tooling items on contracts and capital assets.
- o Control of the entire acquisition process when tools or capital assets are built in-house or purchased from vendors.
- o Control of tools and capital asset location and accountability once these items are in divisional inventory.

The data contained on the Tooling/Capital Control System data base files are used to provide information on tool and capital asset availability cost and accountability for bidding and costing contracts, and for project cost control. In addition, the system is designed to analyze daily the status of each tool or capital order and provide notice of activity and delinquency to production, property control, and procurement.

## MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 (either Model 3200 or 4200) with 100K characters of memory
- o Three disks (278 type)
- o Four drives
- o Normal I/O

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Extensive on request.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 11 0279

## PRIMARY METALS/ PETROLEUM CHEMICALS

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## **ACCOUNTS PAYABLE** **ARI**

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 Model 1200 with 65K memory
- o Disk
- o Four tapes

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 14 0183

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## **ACCOUNTS RECEIVABLE** **ARI**

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 Model 1200 with 65K memory
- o Disk
- o Four tapes

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 14 0182

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## **COST ACCOUNTING** **ARI**

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 Model 1200 with 65K memory
- o Disk
- o Four tapes

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 14 0184

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## **CUSTOMER INVOICING** **ARI**

**DESCRIPTION:** Price, index, taxes, customer and product look up.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 Model 1200 with 65K memory
- o Disk
- o Four tapes

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 14 0142

# PRIMARY METALS/PETROLEUM CHEMICALS / DRY GOODS

## GENERAL LEDGER ARI

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 Model 1200 with 65K memory
- o Disk
- o Four tapes

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 14 0185

## ONLINE ORDER PROCESSING ARI

**DESCRIPTION:** Using a remote Model 1648 via teletype terminals, data is entered into the system through conversational mode and validated at point of entry. Invoices and credits are printed with production and finished goods movement recorded. Inventories are updated and sales reporting is available the next working day.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 32K characters of memory
- o Two disks (172 type)
- o Four tapes

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 14 0239

## PAYROLL ARI

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 Model 1200 with 65K memory
- o Disk
- o Four tapes

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 14 0181

## PERSONNEL DATA SYSTEM ARI

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 Model 1200 with 65K memory
- o Disk
- o Four tapes

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 14 0186

## DRY GOODS

## JOB ACCOUNTING ARI

**DESCRIPTION:** The System is a modification of Honeywell's LOGMP. It has the same features with the following additions. It creates a year-to-date tape, bypasses the printing of input reader jobs, and further reduces the size of the printout by cutting down on spacing. The system also:

- o Creates a graph (optional) showing partition usage in 5-minute increments.
- o Shows tape and core usage, in total time, by shifts.
- o Shows total SPR lines created by shift.
- o Prints a partition usage report showing total time used, utilization percentage, average number of partitions in use, elapsed operator response time, number of jobs run, number of UEJs, and total UEJ time.
- o Creates a department usage report showing, by job account code within department and company, the following, for all jobs except those that went to a UEJ and just those that went to a UEJ: date to run. SIU, SPU, and SPR records with a low, high, and average for the SPR. Also the CPU and elapsed time, with the low, high, and average.
- o Gives, at the end, company totals for the month followed by a recap showing CPU elapsed time and department percentages.
- o Produces a daily compile and test report showing by job name the number of tests and compiles and actual program run time versus elapsed time.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 Model 2010 with 44K characters of memory
- o Disk (type 273/277)
- o Three tapes

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 16 0276

## ORDER ALLOCATIONS ARI

**DESCRIPTION:** This is a complete apparel management system from order entry to complete stock allocation of orders versus stock on-hand in delivery date sequence, taking into consideration rules and priorities, coordinated groups, new store openings and orders.

System provides complete customer service reports, sales reports and production planning reports.

Work-in-process reports monitor lots from authorization into stock entry highlighting operation delays.

Gives weekly/monthly management reports for sales, production, shipping, customer service and top management for overall review and performance evaluation.

# DRY GOODS / MISCELLANEOUS MANUFACTURING / PRINTING/PUBLISHING

## MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 96K memory
- o Three disks
- o Three tapes

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** Easycoder

**DOCUMENTATION:** Available in full for entire system.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Time and service provided. All improvements at cost.

**I.D. NUMBER:** 5 16 0140

maintenance programs, input forms and original master file creation programs.

## MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 16K
- o Two disks
- o Card reader
- o Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Will be provided.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 18 0103

## MISCELLANEOUS MANUFACTURING

### ACCOUNTS PAYABLE ARI

**DESCRIPTION:** The system gives the voucher register, preliminary payment list, checks, check register, A/P by due date and vendor, A/P distribution.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 16K
- o Two disks
- o Card reader
- o Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Will be supplied.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available.

**I.D. NUMBER:** 5 18 0190

### ACCOUNTS RECEIVABLE ARI

**DESCRIPTION:** This system supplies the daily cash book, daily activity, weekly list, statements, aging report, customer booking showing payment history.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 16K
- o Two disks
- o Card reader
- o Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Will be supplied.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available/negotiable.

**I.D. NUMBER:** 5 18 0191

### GENERAL LEDGER ARI

**DESCRIPTION:** This system produces monthly and year-to-date detailed expense statements by department and section and year-to-date expense accounts. It has all

## PRINTING/PUBLISHING

### DAILY WAGE PAYROLL ARI

**DESCRIPTION:** The system handles a complex daily wage or piecework payroll. It processes (daily) the wages due a worker and summarizes his weekly payroll with all deductions to arrive at a weekly payroll figure. The programs in the system do all calculations for overtime, benefit pay, etc. and ultimately feed into a year-to-date trail which prepares all government reports and W-2s.

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURES:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 23 0277

### SUBSCRIPTION FULFILLMENT ARI

**DESCRIPTION:** The Subscription Fulfillment System prepares:

- o Mailing labels
- o Renewal notices
- o Invoices
- o List rental labels
- o Registers (current subscribers, donor/gift, history, etc.)
- o Reports (by source code, payment by invoice, etc.)

The file contains subscriber's name and address, various codes, ID numbers, dates and amounts, etc.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 processor with 24K characters of memory
- o Disk
- o Three tapes
- o Card reader
- o Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Complete program specifications, flow charts, operating instructions

**SHIPPING MEDIUM:** Disk copy tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 23 0149

# PRINTING/PUBLISHING / RETAIL/WHOLESALE TRADE

## RETAIL/WHOLESALE TRADE

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### ACCOUNTS PAYABLE ARI

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**DESCRIPTION:** Prints checks and collects pre-written checks. Check register of run cycle. Check history retainable indefinitely. Vendor listing and maintenance. Automatic distribution reporting to General Ledger.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 32K
- o Three disks
- o Two tapes
- o Reader/punch

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Program source decks, systems manuals, procedures manuals, detailed report samples

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0117

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### ACCOUNTS RECEIVABLE ARI

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**DESCRIPTION:** Provides statement writing with the following reports:

- o Trial Balance
- o Open to Buy
- o Collection Letters
- o Collection Cards
- o Recap of Accounts
- o Statement to Customer (14 programs)

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 Model 115 with 32K bytes of memory
- o Three disks
- o Card reader/punch

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0104

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### ACCOUNTS RECEIVABLE ARI

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**DESCRIPTION:** This system utilizes 80-column card or Keytape input to process accounts receivables and produce a balance-forward type statement for many businesses. This package has been in operation for over five years in the retail clothing, wholesale and retail auto parts, wholesale and retail office supplies businesses and also in a golf and country club. It can accommodate the small retailer right up to the major wholesaler with numerous outlets and salesmen. Comprehensive reports from the system include customer name and address mailing labels, aging account report, past due notices, monthly sales recap, customer sales by salesman, customer sales by location and accounts receivable statements.

This is a complete, ready-to-install package that will have any operation up and running almost immediately.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 16K
- o Disk
- o Three tapes
- o Console
- o Card reader
- o 132-position printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** One discopy tape (source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0111

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### ACCOUNTS RECEIVABLE ARI

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**DESCRIPTION:** Performs whole task edit and balance, sales journals, product analysis, cash receipt, aging, invoicing, statements, credit reminder notices and letters, budget calculations and year-to-date history.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 24K bytes of memory
- o Two disks

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0020

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### ACCOUNTS RECEIVABLE ARI

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**DESCRIPTION:** This balance forward system uniquely controls sold – yet not delivered – sales integrated into a daily trial balance report. Customer's current balance is maintained for customer service on a daily basis. Current balance information including detailed report and/or microfiche history eliminates costly filing systems and paperwork storage systems. Complete detailed customer information is retained including name and address, credit status, etc. Aging report with delinquency controls and details is available for revolving charge system as well as daily sales and cancellation analysis. Optional direct entry cash register papertape to computer system is also available. Check digit on account number is included to ensure accuracy.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central system with 32K
- o Three disks
- o Two tapes
- o Reader/punch

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Program source decks, systems manuals, procedures manuals, detailed report samples

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0116

**CUSTOMER SERVICE** **ARI**

**DESCRIPTION:** Retains and reports all calls by each customer and breaks down costs by: vendor, driver, warehouse, manufacturer defects, department. Complete history is retained for cost analysis and customer service information.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 32K
- o Three disks
- o Two tapes
- o Reader/punch

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Program source decks, systems manuals, procedures manuals, detailed report samples

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0120

**DATA ENTRY PRODUCTION ANALYSIS** **ARI**

**DESCRIPTION:** The program gives vital production statistics by operator, job, day, and function. It gives a management overview of data entry performance as well as daily, weekly, and monthly totals.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 Model 20 central processor with 16K characters of memory
- o Tape (204B)
- o Card reader
- o Printer

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0326

**DEGREE DAY ACCOUNTING** **ARI**

**DESCRIPTION:** This system provides complete Degree Day Accounting, including editing, updating projections, exception reports, K factor updating, print delivery tickets, truck and driver analysis, truck routing, and possible runout report.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central system with 24K bytes of memory
- o Two disks

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0021

**DISTRIBUTION BY VALUE ANALYZER (TAPE/DISK)** **HDA**

**DESCRIPTION:** Distribution by Value is a method of inventory analysis that aids production and inventory control procedures by categorizing inventory products in terms of cost, usage or dollars. Distribution by value

enables the distributor, manufacturer or retailer to identify the products that account for a large percentage of the sales or dollar usage. The user can allocate the amount of effort, time and money on a product's control with the relative value of the product.

The Distribution by Value Program is specialized via user specified parameters and supports the Profit and Forecaster/Controller Systems for either a tape or disk environment.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 central processor with 12,288 characters of memory for a tape system and with 16,384 characters of memory for a disk system
- o Two tapes or one disk
- o Card reader
- o 132-position printer

**OPERATING SYSTEM:** Mod 1 (TR) or (MSR)

**NOTE:** This system is expected to run under OS/200. However, testing has not been performed.

**PROGRAMMING LANGUAGE:** Easycoder

**DOCUMENTATION:** Distribution by Value Handbook (BJ83)

**SHIPPING MEDIUM:** Source Program Tape (A0919)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

**DOLLAR MERCHANDISING CONTROL** **ARI**

**DESCRIPTION:** This complete audited dollar merchandising information system includes weekly, monthly, month-to-date, last year comparison and plan figures in units and dollars by classification/department and/or store for:

- o Sales
- o Purchases
- o Transfers
- o Markdowns
- o Inventory
- o On Order
- o Rim Profitability
- o Unique formatting of data base allows for almost any custom printout design. Source data is optional.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 24K
- o Disk
- o Tape

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** RPG/COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0189

**DSS DIST** **ARI**

**DESCRIPTION:** This is complete system for any wholesaler providing:

- o Invoicing and accounts receivable
- o Salesmen's commission and miscellaneous reporting
- o Complete inventory control and reporting

## RETAIL/WHOLESALE TRADE

Price tags from invoicing are produced for stores with each store's requirements. History of all merchandise sold to all accounts is maintained for various reporting.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 Model 120 with 32K characters of memory
- o Two disks (172 type)
- o Two tapes
- o Card reader
- o Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option on per hour basis.

**I.D. NUMBER:** 5 32 0211

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### DSS FURN ARI

**DESCRIPTION:** This is a complete system for large or small retail furniture stores. It includes:

- o Inventory control with bin locations and customer reserves
- o Daily sales analysis by store, department, and salesman
- o Monthly sales analysis
- o Buyers' reporting with history and computed projections
- o Salesmen's commissions
- o Purchasing orders and price tags
- o Accounts receivable, accounts payable and general ledger

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 Model 120 with 32K characters of memory
- o Two disks (172 type)
- o Four tapes
- o Card reader
- o Printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option on per hour basis.

**I.D. NUMBER:** 5 32 0210

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### GENERAL LEDGER ARI

**DESCRIPTION:** Detailed listings of all journals, account master file maintenance and reporting, general ledger account net change report, profit and loss statement and balance sheet report. This system is intended for a company with multistore and/or one store environment.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 32K
- o Three disks
- o Two tapes
- o Reader/punch

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Program source decks, systems manuals, procedures manuals, detailed report samples

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0119

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### INVENTORY ARI

**DESCRIPTION:** The Inventory System is a ready-to-install automotive parts accounts receivable and inventory control package. The package uses the standard 80-column card or optional Keytape as input. All records are edited, validated, analyzed and merged daily. From this beginning a multitude of reports is available which include: customer accounts receivable statements, past due letters, customer name and address mailing labels, stock status, inventory analysis, nonmoving item report, profit by store, profit by customer, sales commissions, profit by vendor, superseded number listing and vendor purchase orders.

This inventory package controls inventory in multiple locations, including warehousing and jobbing outlets, and writes periodic stock replenishment orders for all outlets. The package has been in operation for five years and has definitely reduced inventory in both warehouse and jobbing operations. It has also given management much better control of both receivables and inventory.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 16K
- o Disk
- o Three tapes
- o Console
- o Card reader
- o 132-position printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** One discopy tape (source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0110

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### INVENTORY ARI

**DESCRIPTION:** A 98% to 100% efficiency rate eliminates expenses of an annual physical inventory. The system has a built-in physical inventory feature with audit trails. It controls all inventory including a carpet control system and provides daily, weekly, monthly and annual reporting with comparisons of previous years.

Typical reports include:

- o Locator system for warehousing and display
- o Automatic reorder purchasing available
- o Aging of merchandise for better turns
- o Automatic scheduling of incoming special customer order
- o Current sales analysis with comparisons of previous year

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 32K
- o Three disks
- o Two tapes
- o Reader/punch

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Program source decks, systems manuals, procedures manuals, detailed report samples

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0115

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### INVENTORY MANAGEMENT SIMULATOR (TAPE) HDA

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**DESCRIPTION:** Honeywell's Inventory Management Simulator is an evaluation tool for companies concerned with controlling inventory investment. Inventory Management Simulator is a fully coded and documented system that utilizes two years of actual demand history data for key inventory items. After initialization, the simulator approximates a year's cycle of depletion and replenishment to indicate how these items would have reacted over the same period had they been under control of scientific inventory management techniques or if they had different levels of customer service specified.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 central processor having 32,768 characters of memory
- o Four tapes
- o Printer
- o Card reader
- o Advanced programming and editing instruction features

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Inventory Management Simulator Handbook (BG71)

**SHIPPING MEDIUM:** Binary Run Tape (A0914)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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### INVENTORY REPORTING B (TAPE) HDA

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**DESCRIPTION:** Inventory Reporting System B is one in a series of general accounting systems designed by Honeywell as ready-to-implement packages. Designed as a modular system with a comprehensive yet flexible inventory master file format, Inventory Reporting System B can be integrated into almost any inventory environment providing immediate centralized inventory reporting capabilities.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 with 8192 characters of memory
- o Three tapes
- o Printer
- o Card reader
- o Advanced programming and editing instruction features

**OPERATING SYSTEM:** BASIC

**NOTE:** Upgrade of this system to COBOL D is necessary for operating object code under OS/2000. Similar systems, requiring minimum changes, have been upgraded and successfully tested under OS/2000.

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Inventory Reporting B Implementation Guide (BF47)

Inventory Reporting B Functional Description (BF46)

Inventory Reporting B Product Brief (BF39)

**SHIPPING MEDIUM:** Card Image Tape (A0208)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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### INVENTORY REPORTING D (DISK) HDA

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**DESCRIPTION:** Honeywell's Inventory Reporting D (Disk) is designed specifically to create, maintain and report on a master file that can serve as the data base for an inventory management system in almost any environment. By utilizing a flexible master file format and a modular system structure, Inventory Reporting System D is able to serve as the basis for an Inventory Management System both in environments where distribution of inventory is essential and environments where production is the primary function.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 central processor with 16,384 characters of memory
- o Printer
- o Card reader
- o Advanced programming and editing instruction features
- o Two disks

**OPERATING SYSTEM:** Mod 1 (MSR)

**NOTE:** Preliminary tests using COBOL C object code, have proved successful under OS/2000.

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Inventory Reporting D & F Implementation Guide (BG74)

Inventory Reporting D & F Functional Description (BG14)

Inventory Reporting D & F Product Brief (BG02)

Inventory Reporting Application Summary (BG03)

**SHIPPING MEDIUM:** Card Image Tape (A0203)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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### INVENTORY REPORTING D (TAPE) HDA

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**DESCRIPTION:** Inventory Reporting System D is an inventory management system designed by Honeywell as ready-to-implement package. Designed as a modular system with a comprehensive yet flexible inventory master file format, Inventory Reporting System D can be integrated into almost any inventory environment providing immediate centralized inventory reporting capabilities.

## RETAIL/WHOLESALE TRADE

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 with 16,384 characters of memory
- o Four tapes
- o Printer
- o Card reader
- o Advanced programming and editing instruction features

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Inventory Reporting B & D Product Brief (BF39)

**SHIPPING MEDIUM:** Master Source Program Library Tape (A0209)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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### INVENTORY REPORTING F (DISK) HDA

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**DESCRIPTION:** Honeywell's Inventory Reporting System F (Disk) is designed specifically to create, maintain and report on a master file that can serve as the data base for an inventory management system in almost any environment. By utilizing a flexible master file format and a modular systems structure, Inventory Management System F is able to serve as the basis for an Inventory Management System both in environments where distribution of inventory is essential and in environments where production is the primary function.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 having 24,576 characters of memory
- o Printer
- o Card reader
- o Advanced programming and editing instruction features
- o Two disks

**OPERATING SYSTEM:** Mod 1 (MSR)

**NOTE:** Preliminary tests using COBOL C object code have proved successful under OS/2000.

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BG74)

Functional Description (BG14)

Product Brief (BG02)

Application Summary (BG03)

**SHIPPING MEDIUM:** Discopy Tape (A0214)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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### MI-DIS (DOCUMENTATION) HDA

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**DESCRIPTION:** MI-DIS is a planning tool, a guideline for the total information requirements of a distributor. MI-DIS is functionally oriented and defines the information needs of a distributor. This easy-to-read documentation provides specific and direct guidelines for a distribution company planning its total information needs. MI-DIS enables a distribution company to better utilize resources, reduce implementation costs and effectively communicate with non-EDP personnel.

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**DOCUMENTATION:** Product Brief (AD15)

Summary Description (AD16)

**SHIPPING MEDIUM:** Documentation only

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### ORDER BILLING/ACCOUNTS RECEIVABLE/ SALES ANALYSIS SYSTEM ARI

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**DESCRIPTION:** The Order Billing, Accounts Receivable System consists of five modules:

- o Order Entry – edits, validates input transactions, cancels/adjusts open order and provides dollar value of open orders
- o Inventory – updates inventory file, creates and maintains purchase order file, maintains 13 months product usage and uses this history to control minimum/maximum quantity levels of each product. Produces suggested purchase order report based on these minimum/maximum levels; option permits override of suggested purchase order.
- o Billing – utilizes nine pricing formulas for maximum pricing flexibility, maintains sales tax authority file, generates picking lists, reports cost and profit information by line item per invoice.
- o Accounts Receivable – produces three types of Accounts Receivable Statements: 1) open item, 2) balance forward, 3) aged balance forward, provides payment and credit memo registers and Aged Trial Balance Report.
- o Sales Analysis – reports sales/profits by customer, product and salesman comparing current year to last year.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 32K of memory
- o Two disks
- o Three tapes

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** System flow diagram, abstract program description, program logic narratives, input and output file layouts, operator run instructions

**SHIPPING MEDIUM:** MSPLT

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option on request.

**I.D. NUMBER:** 5 32 0017

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### ORDER ENTRY/BILLING ARI

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**DESCRIPTION:** This multicompany online Order Entry and Billing System provides salesmen with customized preprinted order forms, allows order entry and validation through multiple Series 7700 terminals, updates inventory, provides automatic item substitution, picking and packing lists for multiple truck deliveries and automatically routes invoices for delivery. Uses three basic files: customer, inventory and special pricing masters.

The multiple Series 7700 terminal input also allows input of inventory adjustments, miscellaneous billing adjustments, customer shipping addresses, online entry of daily inventory receivings. Two additional terminal programs allow separate inventory master file inquiry and selected updating and customer master file inquiry and updating.



**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 44K (all programs do not run in 44K)
- o Two disks
- o Two tapes
- o DATANET 2000 FNP
- o Eight VIPs

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Systems manual, user manual, general description booklet, program listings, file and documentation layouts

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0047

---

**PAYROLL** **ARI**

**DESCRIPTION:** The system handles 20 different pay types (expandable to 40) and 20 different deductions (also expandable to 40). It provides W-2 forms and tax overrides with percent or dollar amounts. Garnishments are included in system. Gives monthly register, monthly garnishment, and loan reports. Handles 99 different companies.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 32K characters of memory
- o Three disks (172 type)
- o Card reader
- o 132-position printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Negotiable

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0242

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**PAYROLL** **ARI**

**DESCRIPTION:** This Payroll System provides a payroll journal by department, payroll checks, time cards, history maintenance and quarterly reporting. Annual reporting including W-2 and 941 forms as well as other miscellaneous reporting.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 32K
- o Three disks
- o Two tapes
- o Reader/punch

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Program source decks, systems manuals, procedures manuals, detailed report samples

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0118

---

**PROFIT LEVEL I (DISK)** **HDA**

**DESCRIPTION:** Honeywell's dynamic order strategy system called PROFIT Level I was designed to meet

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inventory control requirements in the distribution industry. PROFIT Level I enables the user to optimize inventory levels and replenishment orders so as to maximize return on investment. The tighter control established by the system provides an excellent opportunity to improve service to customers.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 with 24,576 characters of memory
- o Two disks
- o Printer
- o Card reader

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL/Easycoder

**DOCUMENTATION:** Implementation Guide (AK67) Application Summary (AK48)

**SHIPPING MEDIUM:** Two Discopy Tapes (A0219)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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**PROFIT LEVEL II (TAPE/DISK)** **HDA**

**DESCRIPTION:** Honeywell's dynamic order strategy system called PROFIT Level II was designed to meet inventory control requirements in the distribution industry. PROFIT enables the user to optimize inventory levels and replenishment orders so as to maximize return on investment. The tighter control established by the system provides an excellent opportunity to improve service to customers. PROFIT provides the facility to operate under various hardware environments: tape, disk, or mixed tape/disk. The system includes nine programs and features a simple parameter card input method of specializing the system for a particular hardware environment.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor
- o 132-position printer
- o Card reader
- o Card punch
- o Advanced programming and editing instruction features
- o Tape system should include 20,480 characters of memory and four tape drives
- o Disk system should include 24,576 characters of memory and three disk drives
- o Mixed system should include 28,672 characters of memory and four devices (tape or disk)

**OPERATING SYSTEM:** Mod 1 (TR) or Mod 1 (MSR) or OS/2000

**PROGRAMMING LANGUAGE:** Easycoder

**DOCUMENTATION:** Level II Implementation Guide (BH04)

PROFIT I Operating Instructions (BH05) Application Summary (AK48)

**SHIPPING MEDIUM:** Card Image Tape SPT (A0202)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

## RETAIL/WHOLESALE TRADE / BANKING/FINANCE

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### **PURCHASING** **ARI**

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**DESCRIPTION:** This Purchasing System tracks data from the time a requisition is submitted through payment. The program supports preprinted requisition forms, purchase orders, daily purchase order report, with month-to-date budget controls, open order file, "past due" or overdue purchase order receipts, an item transaction report year-to-date accrued accounts payable, disbursements, and receiving department report.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 16K characters of memory
- o Two disks
- o Card reader

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL C

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0241

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### **SHOE AND BOUTIQUE STOCK BOOK** **ARI**

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**DESCRIPTION:** Weekly stock book by units for 20 stores. Boutique stock book by size within each store. Each book shows sales this week, sales this month, current on hand, receipts and orders. (Five Programs)

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 Model 115 with 32K bytes of memory
- o Three disks
- o Card reader/punch

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL-C

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0105

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### **UNIT MERCHANDISING CONTROL** **ARI**

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**DESCRIPTION:** Complete unit merchandising information system including season, department/classification, vendor, style, color, size, each stores performance, total performance, and automatic flashing of hot and slow items by your own custom criteria.

A complete "Black Book" retail unit control.

Unique data base allows for custom printout to your design.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 24K
- o Disk
- o Tape
- o Optional: Cummins (SCANAK) 229-ticket reader  
Dennison Model H Punch Ticket Maker

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** RPG/COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 32 0188

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### **VEHICLE SCHEDULING** **HDA**

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**DESCRIPTION:** The system produces a set of routes for a fleet of vehicles in order to supply customers with

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products from a central depot. It is able to service a distribution function where deliveries or pickups are made to or from crown customers on an as needed basis. The system is designed to consider vehicle types, weather, load weight and volume, physical barricades, delivery time restrictions and traveling speed restrictions in planning the routes.

The system interfaces with the user's order processing system from which it receives information for the delivery requirements and to which it provides route information. The system also produces a route sheet for each scheduled route and route summary report.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 with 65,536 characters of memory
- o Two disks
- o Tape
- o Console
- o Card reader
- o Printer
- o Advanced programming and editing features

**OPERATING SYSTEM:** Mod 1 (MSR), OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AD18)

Application Summary (AD19)

Functional Description (AC81)

Implementation Guide (AG20)

**SHIPPING MEDIUM:** Discopy Tape (A0215)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

## BANKING/FINANCE

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### **AHLIC** **ARI**

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**DESCRIPTION:** The AHLIC system performs billing (four times monthly), daily update, agent commission and general ledger, calculates reserves, due, referred and dividend and generates monthly reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 2020 central processor with 32K characters of memory
- o Two disks
- o Printer
- o Card reader/punch

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL/RPG

**DOCUMENTATION:** User manual and flow charts

**SHIPPING MEDIUM:** Source decks

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 41 0138

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### **ALPHA LOOK-UP** **ARI**

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**DESCRIPTION:** Primary use for communications allows search on files accepting any length argument for last or first name. The search returns all matches and allows forward paging. File is loaded sequentially and accessed randomly. Currently two entirely different files are

accessed. Policy Master is approximately 600,000 entries. The Doctor Master is approximately 26,000 entries. Allows complete access of above files by any CRT with capability to continue search where last screen displayed.

Three programs in system:

- o Create Alpha Tape
- o Create Alpha Disk
- o Accessing Routine for CRT

**MINIMUM HARDWARE REQUIREMENTS:**

- o 4K User Partition plus Supervisor
- o Disk
- o Printer
- o CRT

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 41 0026

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**BANK MANAGEMENT INFORMATION SYSTEM** **REFERRAL**

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**DESCRIPTION:** The Bank Management Information System (BMIS) provides the answer to data collection and reporting problems with an online centralized information file capability. BMIS can accommodate any transaction, volume and ensures up-to-date, decision-making data.

The Bank Management Information System is a complete online/real-time and offline/batch banking system that operates on Honeywell Series 200/2000 computers. The system offers:

- o Demand Deposit Accounting
- o Savings Accounting
- o Installment Loan Accounting
- o Commercial Loan Accounting
- o Certificate of Deposit Accounting
- o Mortgage Loans
- o General Ledger – Financial Management

With the system's data base approach, information is stored on common files, data collection simplified, and data redundancy reduced.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 with 131K (dedicated) or 196K (recommended) (multiprogramming) characters of memory
- o Five magnetic tape units
- o Three disk pack drives and control with 8-bit transfer
- o Communication control
- o Interval timer
- o Line adapter
- o Console

**OPERATING SYSTEM:** ACS Operating System

**PROGRAMMING LANGUAGE:** EasyCoder, COBOL

**DOCUMENTATION:** Product Brief (AM67)

Sales Brochure

Systems Manual

BMIS Manual

General Ledger System Manual

(Supplied only to licensed customers who have completed training requirements.)

**SHIPPING MEDIUM:** Binary run tape and Master Source Program Library Tape (supplied to licensed customer only)

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**ORDERING PROCEDURE:** Contact Banking Marketing Manager MS 495.

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**CONSUMPTION ENTRY/INVOICE PROCESSING** **ARI**

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**DESCRIPTION:** Preparation of government forms 7501s and 5101s. Also does all calculations and messaging of data for the above and billing invoice and duty checks. Updates the accounts receivables and other various data files for financial and management reporting.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 Model 2020 with 40K characters of memory
- o Two disks (275 type)
- o Three tapes

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 41 0255

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**DEMAND DEPOSIT ACCOUNTING SYSTEM (TAPE/DISK)** **HDA**

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**DESCRIPTION:** Honeywell's Demand Deposit Accounting System is an application package that provides single unit and multibranch banks and trust companies with a fast and efficient means of coping with today's rapidly spiraling volume of checking account activity. Utilizing the advanced processing capabilities of the Series 200/2000 computers and direct-access storage devices, the system sorts, processes, posts, and maintains all demand deposit accounting transactions from the initial capture of the MICR-encoded documents by the MICR Entry Program<sup>1</sup> to the final programs that produce a series of comprehensive reports. Honeywell's Demand Deposit Accounting System affords effective control of a bank's most basic operation. By means of the Honeywell COBOL Library Processor, this system can be specialized for three different hardware configurations, a pure disk system, a pure tape system, and a mixed tape and disk system.

Features of the system are:

- o Exception condition processing
- o Comprehensive reporting
- o Modular service-charge routine
- o High-speed sorting
- o Package posting
- o Complete audit trails

Reports generated are:

- o Transaction Journal
- o DDA Master File Maintenance Journal
- o New Account Report
- o Closed and Purged Account Reports
- o Trial Balance
- o Customer Statements
- o Exception Reports

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 16,384 characters of memory
- o Advanced programming and editing instruction features

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<sup>1</sup>The MICR Entry program is distributed separately. See description for details and order number.

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- o Card reader
- o 132-position printer
- o MICR reader/sorter and control<sup>2</sup>
- o Tape system should include four tape drives and two read/write channels
- o Disk system should include three disk units and three read/write channels
- o Mixed system should include one disk unit and three tape drives

**OPERATING SYSTEM:** Mod 1 (TR), Mod 1 (MSR), OS/2000/Mod 1 Simulation

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (BJ62)  
Application Summary (BJ63)  
Handbook (BJ64)

**SHIPPING MEDIUM:** Disk image tape (Discopy) (A0119)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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### **INSTALLMENT LOAN ACCOUNTING** **ARI**

**DESCRIPTION:** This complete Installment Loan Accounting System includes daily posting of payments, calculation of pay-offs, calculation of late charges, delinquent loan ledger cards, late charge notices, coupon order blanks and aged delinquent report.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 65K characters of memory
- o Two disks (273/275)
- o Four tapes
- o Printer
- o Card reader/punch

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING INFORMATION:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 41 0349

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### **INSTALLMENT LOAN ACCOUNTING SYSTEM H (TAPE, DISK, MIXED)** **HDA**

**DESCRIPTION:** The Installment Loan Accounting System handles all the processing requirements of an installment loan accounting operation. Fully coded in COBOL, with the exception of the standard Honeywell MICR Entry Program, the system aids the banking institution by processing all installment loan transactions, servicing existing loan accounts, incorporating new loan accounts into the system, and providing precise and timely information for the loan department, bank management, and the respective customers. An open-ended system, the Installment Loan Accounting System can process data for up to 99 branches and/or 99 correspondent or other banks. It features:

- o Capability to accept MICR and/or punched card payment input by using the standard Honeywell MICR Entry program

<sup>2</sup>See description of the MICR Entry program to determine specific devices supported.

- o Capability to accept new loan and daily manually-prepared punched card input
- o Comprehensive daily reporting with complete records of:
  - New loan activity
  - File maintenance, charge off and extension activity
  - Dollar transactions
  - Monetary and earnings status of the loan master and transaction history files
  - Daily exception conditions
- o Comprehensive periodic reports to be run at the user's discretion:
  - Trial balance
  - Delinquent accounts analysis
  - Dealer/grantor analysis
  - Payment activity analysis
  - Earnings analysis
  - Loan master/transaction history analysis
- o A carefully designed audit trail throughout the entire system ensures maximum accuracy as well as maximum user information
- o Built in hardware and software upward compatibility

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 49,152 characters of memory
- o Card reader/punch
- o 132-position printer
- o Advanced programming and editing instruction features
- o MICR sorter and control (optional)
- o Tape system should include five magnetic tape units
- o Disk system should include three disk units
- o Mixed system should include five magnetic tape units and one disk

**OPERATING SYSTEM:** OS/2000, Mod 1 Simulation

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Installment Loan Accounting Handbook (Available on request from Industry Applications.)

**SHIPPING MEDIUM:** Disk Copy Tape (A0111)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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### **LIFE/HEALTH INSURANCE** **ARI**

**DESCRIPTION:** This system provides the following:

- o Underwriting verification: rates, benefits, age, state, etc.
- o Claim checks, history reports, and reserves
- o Policy schedule on computer
- o Premium notice turnaround document system
- o Franchise billing, government system
- o Marketing: policy owner profile, computer letters, policy profile
- o Finance: G/L, budgeting, gross profit by plan commissions
- o Investment system, and life resources
- o Agency: agent's gross profit, profile, master maintenance, etc.
- o Policy service: computer tickler system for options, policy change, etc.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 Model 2020 with 32K characters of memory
- o Disk
- o Four tapes

**OPERATING SYSTEM:** Mod 1 (MSR)**PROGRAMMING LANGUAGE:** COBOL/Easycoder**ORDERING PROCEDURE:** Contact ARI (see Preface).**I.D. NUMBER:** 5 41 0263

Basic System, Volume 1

Basic System Submodules, Volume 2

Production Subsystems, Volume 3

Coding Manual, Volume 4

Supplemental Information, Volume 5

**SHIPPING MEDIUM:** Binary Run Tape and Master Source Program, Library Tape (supplied to licensed customers only).**ORDERING PROCEDURE:** Contact Insurance Marketing Manager MS 496.**LILA****REFERRAL**

**DESCRIPTION:** Life Insurance Logistics Automated (LILA) is an application package that performs the essential business functions of small/medium life insurance companies. A flexible systems approach and the versatility of Honeywell equipment enable an insurance company to effectively maintain its present business and to expand for future growth and needs. The basis of LILA is a consolidated master policy record, used for administrative, billing, dividend, commission, loan and valuation functions.

Features of the system are:

- o Tape/disk processing in a modest environment
- o Provides extensive information for business administration
- o Simplicity and flexibility for ease of implementation and control
- o COBOL coding
- o Extensive editing for file accuracy
- o A base system and production subsystems:
  - New Business
  - General Ledger Accounting
  - Billing
  - Commission
  - Dividend
  - Loan
  - Automatic Premium Loan
  - Automatic Changes
  - Miscellaneous Inforce Reporting
  - Lapse and Persistency
  - Federal Income Tax
  - Actuarial Library Support
  - Asset Share Model Office
  - Cash Release
  - Year End Support
  - GAAP Accounting

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with a minimum of 32,768 characters of memory
- o Advanced programming and editing instruction features
- o Card punch
- o Card reader
- o 132-position printer
- o Five magnetic tapes or four tapes/one disk

**OPERATING SYSTEM:** Mod 1 (TR), OS/2000**PROGRAMMING LANGUAGE:** COBOL**DOCUMENTATION:** The following are supplied only to licensed customers who have completed training requirements:**MICR ENTRY****HDA**

**DESCRIPTION:** The MICR Entry System provides MICR-encoded transaction capture under control of the OS/2000 operating system. It may be used as the initial data capture program in processing demand deposits, installment loans and other applications. The program processes credits and debits and accepts MICR-encoded documents such as checks, deposits, Christmas Club coupons, loan coupons, etc.

The MICR Entry System is built on a modular framework and demonstrates maximum system flexibility. Designed for use in either a tape or disk environment, the MICR Entry System can be modified or specialized to suit an individual user's particular needs.

It features:

- o Support of the Burroughs 103 and Honeywell 236 sorters
- o Operation under OS/2000 operating systems
- o MICR documents or punched card input processing
- o Program generation using Library Preprocessor
- o Modular design to meet the special requirements of individual users
- o Fully edited printouts with three levels of audit control
- o Twenty-two reject reasons specified on a printed listing
- o Multiple entry add-on capability to transaction (and mirror) file
- o Cumulative debit and credit totals and batch sequence and run numbers maintained

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 24,516 characters of main memory
- o Two magnetic tape units or
- o Disk drive unit (backup file disk drive is optional)
- o Card reader (SIU)
- o 132-position printer (SPR)
- o MICR reader sorter and control
- o Console

**OPERATING SYSTEM:** OS/2000**PROGRAMMING LANGUAGE:** Easycoder**DOCUMENTATION:** MICR Entry Program Application Summary (BB66)

MICR Entry Program Implementation Guide (BD09)

**SHIPPING MEDIUM:** Card Image Tape (APB6004)**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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- NOTES:
1. This program utilizes input/output macros of the OS/2000 operating system and can only be executed in that environment.
  2. This product does not contain a user verification test or demonstration capability. Therefore, only source coding is released. Any request for the system, if not accompanied by an approved contract, must receive special release authorization from the appropriate marketing manager.

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### MICRCOM COMMUNICATION SUBSYSTEM (TAPE/DISK)

HDA

**DESCRIPTION:** MICRCOM is a Honeywell solution to a remote MICR document capture requirement. It consists of a minimum hardware configuration designated as RMS235 and software products that provide the complete capability. In the minimum tape environment, the MICRCOM MICR Document Entry Program reads, sorts, balances and captures on-us MICR encoded document images while producing a full proof listing. The document images captured during that operation are then transmitted to a central host computer for processing against demand deposit, savings, installment loan or other systems by the MICRCOM communications subsystem.

Report files created at the central site are then transmitted to the MICRCOM communication subsystem and are stored on tape for later printing. If an optional second tape unit is available, one tape may be printed by the file transcription routine concurrently with the sending or receiving of additional data on the other. The program also includes a card file send capability permitting its use as a remote batch job entry device.

The system may also be operated in a disk environment which allows the MICR Proof and Transit System to be utilized for proof of deposit or normal transit operations. The MICRCOM communication subsystem can be specialized for this environment and can send and receive disk files.

Current communication support is via the 281-2BSC single line communications control utilizing IBM 2780 binary synchronous line procedures at speeds of 2000-9600 baud.

#### MINIMUM HARDWARE REQUIREMENTS:

##### Tape System

- o Basic MICRCOM System, including 16,384 characters of memory
- o Magnetic tape unit
- o Card reader
- o 132-position printer
- o Single channel communications control
- o Advanced programming and editing instruction features

##### Disk System

- o Basic MICRCOM System, including 24,576 characters of memory
- o Disk unit
- o Card reader
- o 132-position printer
- o Single channel communications control
- o Advanced programming and editing instruction features

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** EasyCoder

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**DOCUMENTATION:** Product Brief (AJ53)  
Application Summary (AJ59)  
Implementation Guide (AR13)

**SHIPPING MEDIUM:** Card Image Tape (A0124)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### MICRCOM MICR DOCUMENT ENTRY PROGRAM

HDA

**DESCRIPTION:** The MICRCOM MICR Document Entry Program performs high speed capture of MICR encoded documents. It is designed for use with the MICRCOM communications software and the RMS235 hardware configuration to provide remote data capture at a low cost.

System features include:

- o Support of Honeywell 234, 234-14 and 236 sorters
- o Punched card as well as MICR encoded input
- o Program generation through Library Preprocessor
- o A wide variety of edit and sort features
- o Fully edited proof lists with three levels of audit control
- o Twenty-two reject reason types
- o Multiple run add on capability
- o Run to run carry forward credit and debit totaling

#### MINIMUM HARDWARE REQUIREMENTS:

##### Tape Configuration

- o Series 200/2000 with 16K characters of main memory and two RWCs
- o 234-0 reader sorter
- o 234-14, 236 support requires an additional 4K of memory
- o Advanced programming and editing instruction features
- o One or two magnetic tape units (mirror tape is optional)
- o Card reader
- o 132-position printer
- o Console is optional but additional memory (4K) is required

##### Disk Configuration

- o Series 200/2000 with 20K characters of memory and three RWCs
- o One or two disk drives (mirror image file is optional)
- o All features required for tape configuration apply except tapes and memory size

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** EasyCoder

**DOCUMENTATION:** Application Summary (BB66)  
Implementation Guide (BD09)

**SHIPPING MEDIUM:** Disk Copy Tape (A0120)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### MICRCOM RMS235 PROOF AND TRANSIT

HDA

**DESCRIPTION:** The MICRCOM RMS235 Proof and Transit System operates with only 24 to 32K of memory and provides fully computerized Proof and Transit operations at a low cost. The system can operate as a standard

transit system or as a deposit reproof system. When operated as proof of deposit, deposit reproof is provided for all types of MICR documents processed including personal and mortgage loan coupons, Christmas/vacation club coupons, savings deposit and withdrawals, etc.

The MICRCOM RMS235 Proof and Transit System consists of six programs and eight sort table generation macros. Reports include Input Proof Listing, Pocket Item Listing, Transmitted Letters and an Endpoint Activity Journal. Pass-to-pass reproof is provided for multilevel sorts.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 with 24K characters of memory
- o Disk unit
- o Card reader
- o 132-position printer
- o 234-0, 234-14 or 236 reader-sorter and control
- o Three read/write channels
- o Console (optional; requires an additional 4,096 characters of memory)

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** EasyCoder, COBOL

**DOCUMENTATION:** Product Brief  
Application Summary  
Implementation Guide

**SHIPPING MEDIUM:** Disk Image Tape (APB6003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**MOD 1 MICR DOCUMENT ENTRY PROGRAM** **HDA**  
**(TAPE/DISK)**

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**DESCRIPTION:** The Mod 1 MICR Document Entry Program provides MICR-encoded transaction capture for the complex data processing needs of the banking industry. It is used as the initial data capture program in both the Honeywell Demand Deposit Accounting and Installment Loan Accounting Systems. The Mod 1 MICR Document Entry Program accepts MICR-encoded documents such as checks, deposits, Christmas Club coupons, loan coupons, etc.

The Mod 1 MICR Document Entry Program is built on a modular framework and demonstrates maximum system flexibility. Designed for use in either a tape or disk environment, the system can be modified or specialized to suit an individual user's particular needs.

It features:

- o Support of the Burroughs 103 or Honeywell 232, 234-0, 234-14 and 236 sorters
- o Specialization made easy through the use of Library Processors and table and constant program modifiers
- o Four data transcription routines operated concurrently with MICR entry
- o Edited printouts to reduce batch reconciliation time
- o Easy modification of listing formats
- o Twenty-two reject reasons specified on a printed listing

- o Item counts and amount totals by sort pocket, type of item and type of reject error
- o Variable two-line heading printed at the beginning of each batch
- o Multiple entry add-on capability to transaction (and mirror) file
- o Cumulative debit and credit totals and batch sequence and run numbers maintained

**MINIMUM HARDWARE REQUIREMENTS:**

For Burroughs 103 and Honeywell 232 sorters:

**Tape Specialization:**

- o Series 200/2000 with 16,384 characters of main memory
- o Advanced programming and editing instructions
- o Two magnetic tape units
- o Card reader
- o 132-position printer
- o A MICR reader-sorter and control
- o Minimum of two read/write channels

**Disk Specialization:**

- o Series 200/2000 with 20,480 characters of main memory
- o Advanced programming and editing instructions
- o Disk pack drive (back-up disk pack drive is optional)
- o Card reader
- o 132-position printer
- o MICR reader-sorter and control
- o Minimum of three read/write channels

For Honeywell 234-0, 234-14 and 236 sorters:

**Tape Specialization:**

All features are the same as the Burroughs 103 sorter tape specialization except the memory size is 20,480 characters

**Disk Specialization:**

All features are the same as the Burroughs 103 sorter disk specialization except the memory size is 24,576 characters.

**OPERATING SYSTEM:** Mod 1

**PROGRAMMING LANGUAGE:** EasyCoder

**DOCUMENTATION:** Product Brief (BJ60)  
Application Summary (BB66)  
Implementation Guide (BD09)

**SHIPPING MEDIUM:** Disk Copy Tape (A0120)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** If a back-up (mirror) file is desired, a second disk pack drive is required.

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**ONLINE BANKING SYSTEM** **ARI**

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**DESCRIPTION:** Processes banking floor transactions online. Handles regular savings accounts and day of deposit to day of withdrawal savings accounts, Christmas, Chanukah, vacation club accounts, time savings, lease security, repayment loans, demand loans, interest saver loans, name and address, money orders and teller checks. Provides 44 different teller totals. Provides branch auditor, management, operations reports.

The application portion of the online operating system is a separate module that uses COBOL to facilitate modification. The logic of the application module is as simple as that of a batch program.

## BANKING/FINANCE

The Online Operating System multitasks the application oriented logic to provide virtually instantaneous service to all terminals sharing the system.

The minimum configuration supports:

- o 300,000 savings accounts
- o 370,000 names and addresses
- o 100,000 club accounts
- o 136,000 time accounts
- o 50,000 lease securities
- o 300,000 loans
- o 300,000 trailers
- o or any combination of these

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 with 198K memory
- o Five disks
- o Tape drive
- o Printer
- o Card reader/punch communications controller
- o Adaptors
- o Console

**OPERATING SYSTEM:** Online TRUMP; Offline OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Complete documentation for the online and offline systems.

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 41 0035

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### PORTFOLIO MANAGEMENT ARI

**DESCRIPTION:** The Portfolio Management Accounting System provides management information and accounting support for mutual fund and private account money managers. The reports generated by the system serve the needs of the professional portfolio manager, whether they relate to regulatory requirements, client reporting, or internal information necessary to manage the account.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 32K words of memory
- o Disk with 9 million characters

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance ongoing with lease.

**I.D. NUMBER:** 5 41 0293

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### PROBE ARI

**DESCRIPTION:** PROBE is a system to provide the user with reports. Has provision for creating multiple reports from one input file pass, data selection by limits and content, multilevel sorting, statistical sampling, calculations, and selective totals. Diagnostic error messages assist operator and users. Programming is not required to define and obtain reports. PROBE has enjoyed widespread acceptance within the banking industry by internal auditors for independent auditing of computer files and reports. Many of the EDP departments also use PROBE to generate regular and special management reports.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 65K characters of memory
- o Any COBOL-compatible machine

**OPERATING SYSTEM:** Any COBOL-compatible system

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Users Guide

**SHIPPING MEDIUM:** Cards, tape, or disk source listing

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Price includes installing PROBE or two files.

**I.D. NUMBER:** 5 41 0244

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### SAVINGS ACCOUNTING SYSTEM F (DISK) HDA

**DESCRIPTION:** Savings Accounting System F provides bank management with precise and timely information on a daily, weekly, monthly, periodic and annual basis on the operation and status of this important bank function. The system in general is as flexible as possible in the reporting area and as stringent as possible in the maintenance of audit trails, and run to run totals. It features:

- o COBOL coding
- o Multiple interest rates
- o Fund transfers from checking accounts
- o Handling of group or affiliate account relationships
- o Easy modification of handling statement savings

It produces the following reports:

- o Proof and Edit Journal
- o Posting and Partial Trail
- o Accumulated Daily History Report
- o Trial Balance with History
- o Accounts that are Primary Affiliates
- o Accounts that are Secondary Affiliates
- o Accounts Missing Social Security Number
- o Accounts with Incomplete Address
- o File Maintenance Run
- o New Account Report
- o Name and Address Changes
- o Closed Account Report
- o Hold Accounts
- o Index Card Print
- o Savings Interest Journal
- o 1099 Reports

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 with 24,576 characters of memory
- o Advanced programming and editing instruction features
- o Three disk drives
- o Card reader
- o 132-position printer
- o MICR reader/sorter (optional)

**OPERATING SYSTEM:** Mod 1 (MSR); OS/2000/Mod 1 Simulation

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Application Summary (AE22) Handbook (AG82)

**SHIPPING MEDIUM:** Disk Image Tape (A0116)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.



**TAPE LIBRARY** **ARI**

**DESCRIPTION:** Logs to disk file all header information from tapes as created by COBOL programs. Information includes reel sequence number, date and time of file creation, program creating file, and logs status of output; i.e., to save or scratch a file.

A capability exists to log tapes created by programs other than COBOL, disk copy, disk sort, etc. A listing program and a routine to display library on CRT is also available. No JCL changes are needed to implement it other than a logical sense switch setting that is used to determine to what area to log the tape. This could be eliminated at user's discretion.

**MINIMUM HARDWARE REQUIREMENTS:**

No memory increase in user program or compiler.

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 41 0027

**TRUMP SYSTEM (TAPE/DISK)** **HDA**

**DESCRIPTION:** Honeywell's TRUMP System provides commercial banks and savings institutions with complete online processing capabilities. A system that allows bank employees and officials at all locations immediate communication with the central processor, TRUMP may be operated in a dedicated environment to handle all online requirements or in a multiprogramming mode to accommodate batch processing applications as well.

It features:

- o Immediate communication with the central processor
- o Automatic check of teller operations
- o Ability to handle increased customer activity and offer additional services
- o Rapid response to information requests
- o Fast and accurate transaction service even during peak traffic periods
- o Facility to accept all online transactions regardless of application
- o Flexible design for easy tailoring to individual needs
- o As many as 63 different files can be used at any given time
- o COBOL or EasyCoder transaction processing routines
- o Ease of installation, upward compatibility, and unlimited expansion
- o Simultaneous operation of MICR equipment and communication devices

**MINIMUM HARDWARE REQUIREMENTS:**

**Online:**

- o Series 200/2000 with 49K characters of memory
- o Advanced programming and editing instructions
- o Three read/write channels
- o Two disk pack drives or one disk pack drive and one magnetic tape unit
- o Card reader
- o 132-position printer
- o Console
- o Multichannel communication control
- o Communication interval timer
- o Communication adapters or alternates
- o Teller terminal or alternates

**Multiprogramming:**

- o Model 2040 central processor with 65K, storage protection, extended multiprogramming and a second I/O sector.
- o Peripheral units to service background programs as card readers and punches, printers, tape units, disk pack drives, etc.

**OPERATING SYSTEM:** Mod 1 (TR) or (MSR)

**PROGRAMMING LANGUAGE:** EasyCoder

**DOCUMENTATION:** Functional Description (BH45) Implementation Guide (BB04)

**SHIPPING MEDIUM:** Card Image Tape (A0103)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** No more than eight communications device types may be specified to COMIO at any one time. Of those, the following device combinations may not be used concurrently

- o Nonpolled CRTs with either BTT 7340 or polled Teletype 33s
- o Nonpolled 370 teller terminals with BTT 7330 or Olivetti TC-349-BI teller terminals

The following types of disks are not supported: 155, 170-2, 170A-2, 171, 258, 258B and 279

The Type 278 disk is not supported as a background device if the Type 286 Communication Control is on the same I/O sector.

**NOTE:** This is an unsupported product.

**EDUCATION**

**ADMINISTRATIVE GUIDE** **ARI**

**DESCRIPTION:** This Manual will assist a school administrator in the construction of the Master Schedule. Contains: Responsibilities of the timetable for school administrators; preplanning; articulation; explanation of output reports for Phase I; detail explanation of preliminary analysis of the scheduling process; description of the preliminary steps in building a master schedule; explanation of balancing; assignment of teachers; detail explanation of output reports of Phase II; master schedule simulation; logical sequential system of the manual construction of a master schedule; alternate approaches to scheduling problems; sample master program with examples.

**ORDERING PROCEDURE:** Order from ARI, 151 Needham Street, Newton, MA 02161, enclosing check for \$4.80.

**I.D. NUMBER:** 9 71 0351

**AUTHOR LANGUAGE SYSTEM FOR COMPUTER ASSISTED INSTRUCTION (DISK)** **HDA**

**DESCRIPTION:** Honeywell offers the education market an advanced capability in computer-assisted instruction (CAI). This educational technique is a tutorial system in which the student interacts with a customer via a remote terminal.

Features include:

- o Instructional material is presented to the student through a display station.

## EDUCATION

- o Reports are generated indicating student status in particular courses, course progress, and student registration information.
- o The Author Language consists of 12 standard and three extended language instructions for developing a course.
- o The system recognizes individual student differences and permits academic progress at a rate determined by each student's ability.
- o The system provides for presentation of remedial material as determined by a student's response.
- o The system is designed for a nondedicated configuration that also processes administrative data processing requirements.
- o Two versions of the Author Language System are released for central processors with 32,768 and 65,536 characters of memory, respectively.

### MINIMUM HARDWARE REQUIREMENTS:

- o Model 1015 (or larger) central processor with 32,768 or 65,536 characters of memory. (The 65K release of the system may be specialized for a central processor with a minimum of 49,152 characters of memory and above.)
- o Storage protection feature
- o Extended multiprogramming 8-bit transfer feature
- o Console
- o Three magnetic tape units and a tape control
- o Type disk control
- o Disk pack drive
- o Card reader
- o High-speed printer
- o Multichannel communication control
- o Communication interval timer
- o Logic module for multimessage transactions, communication adapters
- o VIP display stations

**OPERATING SYSTEM:** Mod 1 (Disk)

**PROGRAMMING LANGUAGE:** Easycoder

**DOCUMENTATION:** Student's Guide (BG92)  
Author's Guide (BH26)

**SHIPPING MEDIUM:** Card Image Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

### BASIC (SERIES 2000 OS/2000)

FDA

**DESCRIPTION:** OS/2000 BASIC is a time-sharing system using OS/2000 operating system. It provides users at distant locations with simultaneous access, via teleprinter to a computer system for problem-solving operations and other computer capabilities. OS/2000 BASIC is a mathematics-oriented compiler language.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 80K partition for initialization; 65K partition for execution
- o DATANET 2000 FNP
- o Card reader
- o Printer
- o Tape/disk
- o Teleprinters

**OPERATING SYSTEM:** OS/2000

**DOCUMENTATION:** Handbook (BH10)  
Language Manual (BJ16)

**SHIPPING MEDIUM:** Tape/disk (SPL6006)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is a contributed application and is an unsupported product.

### BASIC SYSTEM (DISK)

HDA

**DESCRIPTION:** Honeywell's Series 200 Basic System focuses on the needs of problem-solvers – those involved with solving equations, with statistical and financial analysis and in the solution of complex mathematical and engineering problems. The system provides users at remote locations with simultaneous access to a certain computer system for problem-solving operations and other computing capabilities.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200, Model 1015, having 65,536 characters of memory
- o Three tapes
- o Printer
- o Card reader
- o Disk and control
- o Multiprogramming package and 8-bit transfer
- o Storage protect
- o Scientific unit
- o Optional instruction packages
- o Time of day clock
- o Character mode communication control
- o Interval timer
- o Adapter (one per line)
- o Teleprinter units
- o 103A data sets (one per line)
- o Console

**OPERATING SYSTEM:** Mod 1 (MSR)

NOTE: At this time, this system is incompatible with OS/2000.

**PROGRAMMING LANGUAGE:** Easycoder

**DOCUMENTATION:** Handbook (BH10)  
Remote Problem Solving (BASIC) Reference Manual (BJ16)  
Demonstration Guide (BY43)

**SHIPPING MEDIUM:** Source Program Tape (A0306)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

### COLLEGE GRADE REPORTING

ARI

**DESCRIPTION:** All initial input information is punched on cards and is derived from the "arena method" of scheduling. All subsequent input is card maintenance to the student master such as, credit hour changes, instructor changes or adds, student add-drop or change, etc. The output and subsequent benefits of the system are those normally associated with grade reporting such as class lists, grade reports, etc. This system also generates an almost infinite number of other reports, a few of which

are deans list, probation listing, student name and address labels, student 4X8 schedule cards, men's GPA, women's GPA, etc.

This package has been installed and running for two years during which time it has been a great time and money-saver. It has consequently won the approval of the students and faculty almost entirely because of the greatly reduced turnaround time involved in the grade reports, not considering the other reports that simply were not economically possible with a manual system.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 16K
- o Disk
- o Three tapes
- o Console
- o Card reader
- o 132-position printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** One Discopy Tape (Source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 71 0114

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**COMPUTER CENTER TIME REPORTING** **ARI**

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**DESCRIPTION:** This application accounts for each employee's time by user, job, activity, and control number. It can be used with or without a time clock to account for all costs associated with DP, including forms and supplies.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 16K characters of memory
- o Three tapes (type 204)

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Run sheets and sample formats

**SHIPPING MEDIUM:** Tape or cards

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 71 0252

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**GRADE REPORTING** **ARI**

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**DESCRIPTION:** The system can accommodate multiple schools on six-week, eight-week marking period, semesters or a combination.

All initial information is derived from the "arena method" of scheduling, after which there is card maintenance to the student master in the form of student adds and drops, teacher changes, course changes, credit changes, etc. The system produces a wide range of output normally associated with grade reporting, only a few of which are grade transcripts, class lists, failure list, 345 student schedule cards, fourth Friday count and handicap registry.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 with 16K
- o Disk
- o Three tapes

- o Console
- o Card reader
- o 132-position printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** MSR COBOL

**SHIPPING MEDIUM:** One Discopy Tape (Source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 71 0112

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**SCHOOL ACCOUNTING** **ARI**

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**DESCRIPTION:** This package is a simple-to-install, easy-to-administer general accounting system for multiple schools within multiple school districts.

The input into the accounts payable and general fund subsystems is the standard 80-column card. The payables subsystem accepts input of vendor maintenance, prepaid checks, invoices and debit memos and produces such reports as vendor file listing (either 3X5 cards or printouts), checks, prepaid check register, and check register.

The output of the payables subsystem then becomes input (magnetic tape), along with any card maintenance (expenditures, receipts and transfers) to the general fund subsystem. The general fund subsystem is the recording of data necessary for full financial reporting including funds control and budget control. Therefore the following reports are produced: balance sheet, financial report, distribution report and distribution of receipts.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 with 16K
- o Disk
- o Three tapes
- o Console
- o Card reader
- o 132-position printer

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** One Discopy Tape (Source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 71 0113

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**SCRIBE GRADE REPORTING AND ATTENDANCE** **HDA**

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**DESCRIPTION:** The SCRIBE Grade Reporting and Attendance System assists secondary schools in preparing, maintaining, reporting and analyzing attendance and grade information. The system produces reports on average daily attendance and membership statistics, plus optional user selected and defined reports covering student irregular attendance patterns, cumulative attendance data for each student and a special tabulation report of attendance by sex, grade and age. The grading data produced by the system in addition to the report card includes a variety of optional reports such as class grading lists, deficiency, GPA and user selected exception reports, class ranks and mark analysis.

## EDUCATION

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 32,768 positions of memory
- o Two disks
- o 132-position printer
- o Card reader

### Series 60 Level 64

- o Model 64/20 central processor
- o Two disk drives
- o Printer
- o Card reader

**OPERATING SYSTEM:** OS/2000 Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** SCRIBE Product Brief (AJ61)

Summary Description (AJ71)

Grade Reporting and Attendance Handbook (AS11)

**SHIPPING MEDIUM:** (259) Disk Copy tapes, (two tapes: System, Library)

Series 200/2000 (APE6002)

Series 60 Level 64 (ADE0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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### SCRIBE SCHOOL BUDGET ACCOUNTING SYSTEM (DISK) HDA

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**DESCRIPTION:** The SCRIBE School Budget Accounting System administers a school system budget in an organized and economical manner. The system creates and maintains a budget master file and a vendor master file and processes purchase orders, expenditures and cash flow transactions. The system can maintain control of spending at the individual school and department level. Some of the management reports from the system are:

- Vendor Master List
- Budget Master List
- Purchase Order Transaction Listing
- Detailed Budget Report
- Detailed Invoice Listing
- Monthly and Bimonthly Bill List
- Vendor List
- Check Register

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 with 24K characters of memory
- o Disk drive
- o 132-position printer
- o Card reader
- o Card punch (optional)

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Handbook (CAP27)

**SHIPPING MEDIUM:** Disk Image Tape (A0312)

Test Data (CIT) (A0312)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is a contributed application (CAP) and is an unsupported product.

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### SCRIBE STUDENT SCHEDULING HDA

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**DESCRIPTION:** This is a COBOL, disk-oriented scheduling system. The system handles traditional or modular schedules, with up to 48 course requests per student, 99 sections per course, 99 modules per day, 12 days per week, and 6 terms per year. The minimum configuration will process up to 2000 students per school and at least 500 courses.

### MINIMUM HARDWARE REQUIREMENTS:

#### Series 200/2000

- o Series 200/2000 central processor with 32,768 positions of memory
- o Two disks
- o 132-position printer
- o Card reader

#### Series 60 Level 64

- o Model 64/20 central processor
- o Two disk drives
- o Printer
- o Card reader

**OPERATING SYSTEM:** OS/2000, Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AJ61)

Summary Description (AJ71)

Administrator's Guide (via Industry Marketing)

Handbook (AR35)

**SHIPPING MEDIUM:** Two (259) Disk Copy Tapes

Series 200 (APE6001)

Series 60 Level 64 (ADE0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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### STUDENT SCHEDULING F (DISK) HDA

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**DESCRIPTION:** The system is a disk version of the Student Scheduling F Tape System and offers exactly the same capabilities and features. Scheduling F handles modular or traditional scheduling and processes 500 courses, 1000 course sections, 12 requests per student, and six alternate requests per student.

For schools operating with staggered periods, half-period lunches, or multiple time units rather than traditional period class schedules, the system provides the ability to divide the school day into 26 time modules that can be assigned to classes in arbitrary groups.

Additional features of the system include priority scheduling of students, automatic assignment of lunch, control of consecutive open periods, and study hall scheduling. Optionally, the system automatically assigns required courses and schedules alternate courses.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200 with 24,576 characters of memory
- o Two disks
- o Printer
- o Card reader
- o Advanced programming and editing instruction features

**OPERATING SYSTEM:** Mod 1 (MSR)  
**PROGRAMMING LANGUAGE:** EasyCoder  
**DOCUMENTATION:** Reference Manual (CAP12)  
**SHIPPING MEDIUM:** Disk Image Tape (A0308)  
**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.  
**SPECIFIC PROVISIONS:** NOTE: This is a contributed application (CAP) and is an unsupported product.

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**STUDENT SCHEDULING SYSTEMS D, F, G (TAPE) HDA**

**DESCRIPTION:** Designed for the school's scheduling and data processing requirements, these systems can perform scheduling tasks on the same equipment configurations used for the school's year-round administrative and instructional applications. Features of the system include:

- o Optimum utilization of classrooms and teachers
- o More evenly balanced classes
- o More students receiving the classes they requested because scheduling conflicts are resolved through adjustments to the master schedule rather than student schedules
- o A massive reduction in clerical workload and expense
- o Priority scheduling
- o Automatic lunch assignment
- o Control of open periods
- o Study hall assignment

The following are not available on Student Scheduling System D:

- o Modular scheduling
- o Alternate course scheduling
- o Time-of-day designation

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 with a minimum of 16,384 characters of memory (System D), or 24,576 characters of memory (System F), or 28,672 characters of memory (System G)
- o Advanced programming and editing instruction features
- o Card reader
- o Printer
- o Four magnetic tape units (System D) or five magnetic tape units (Systems F and G)
- o Optional card punch (Systems F and G)

**OPERATING SYSTEM:** Mod 1 (TR)  
**PROGRAMMING LANGUAGE:** EasyCoder  
**DOCUMENTATION:** Systems D, F and G Application Summary (BG24)  
 System D Administrator's Guide (BG64)  
 System F Administrator's Guide (BE61)  
 System F Handbook (BE60)  
 System G Handbook (AE99)

**SHIPPING MEDIUM:** Source Program Tape  
 System D (A0301)  
 System F (A0302)  
 System G (2 Tapes) (A0307)  
**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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**TEST SCORING ARI**

**DESCRIPTION:** System uses mark sense data processing cards as turnaround document. There are 50 questions per card, and up to four cards may be used. Program consists of an edit, computing raw scores, item analysis, and statistical report including the mean and standard deviation per group or total group. May be used as initial programs to standardized tests.

- MINIMUM HARDWARE REQUIREMENTS:**
- o Series 200/2000 central processor with 12K characters of memory
  - o Three tapes (type 204)

**OPERATING SYSTEM:** Mod 1 (TR)  
**PROGRAMMING LANGUAGE:** COBOL  
**DOCUMENTATION:** Run sheets and sample formats  
**SHIPPING MEDIUM:** Tape or cards  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**I.D. NUMBER:** 5 71 0253

**GOVERNMENT**

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**AD VALOREM AND DELINQUENT TAX ARI**

**DESCRIPTION:** This is a complete multidistrict tax package and has been used by one company to process over 100 tax districts. Programs include: file maintenance, rolls, two-up tax bills, balance sheet or paid and unpaid accounts, delinquent tax FM, delinquent tax bills showing penalty and interest for any four months, utility programs to list individual or groups of accounts, mortgage code FM, etc. All you add is data.

- MINIMUM HARDWARE REQUIREMENTS:**
- o Series 200 Model 105 or 115 central processor with 24K characters of memory
  - o Two disks
  - o Card reader
  - o 132-column printer

**OPERATING SYSTEM:** Mod 1 (MSR)  
**PROGRAMMING LANGUAGE:** COBOL C  
**ORDERING PROCEDURE:** Contact ARI (see Preface).  
**I.D. NUMBER:** 5 73 0260

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**AD VALOREM INFORMATION SYSTEM ARI**

**DESCRIPTION:** The system treats the creation of tax receipts and tax rolls as a subsystem implemented separately or as part of a total system depending on the cost benefit trade-off. The system is categorized into the following three areas: billing, control, and information. Under the billing function it produces tax receipts and notices, including renditions. Under control it provides tax rolls, daily transaction reports, accounting records, delinquency reports, and legal action files. Information reports are designed to give timely, adequate information to the taxing authority. Some are generated on a predetermined regular basis and others are processed on demand. The nature of the system allows online capabilities with terminals right on the customer or user site.

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### MINIMUM HARDWARE REQUIREMENTS:

- o Series 2000 Model 2040A central processor with 196K characters of memory
- o Five disks
- o Five tapes
- o DATANET (56K)
- o 340 Sycor terminal
- o Printer at site

**OPERATING SYSTEM:** OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance available monthly.

**I.D. NUMBER:** 5 73 0261

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### CENSUS SYSTEM ARI

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**DESCRIPTION:** Allows user to conduct a mailer census with second and third run capabilities. Updates information on the master resident file. Generates census reports by ward.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 with 24K bytes of memory
- o Tape

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Swap for software.

**I.D. NUMBER:** 5 73 0022

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### POLICE DATA BASE ARI

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**DESCRIPTION:** Maintains police data base daily and generates statistical and operational reports on a monthly basis.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 32K memory
- o Tape

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Will swap for software

**I.D. NUMBER:** 5 73 0024

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### STATISTICAL REPORTING SYSTEM ARI

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**DESCRIPTION:** Using a master resident file, the system generates 35 demographic reports used for planning department.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor with 32K memory
- o Disk
- o Tape

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 73 0023

## MEDICAL

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### BILLING ARI

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**DESCRIPTION:** The system provides daily, weekly and monthly reports on billing. It prepares bills, patient statements, insurance forms, tracks aged accounts, posts to the cash receipts journal and supplies statistical analysis reports.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 central processor or Level 64 central system with 64K memory
- o Two disks
- o Two tapes
- o Card reader
- o Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Extensive

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 74 0136

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### HCSS ACCOUNTS PAYABLE (TAPE) HDA

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**DESCRIPTION:** The Accounts Payable System is an extension of Honeywell's Hospital Computer Sharing System (HCSS), a unique communications and information system that links several hospitals into a computer processing network for applications in hospital administration and the medical management of patient needs. As with all HCSS applications, the primary emphasis of the Accounts Payable System is to enhance the quality of patient care by providing better tools for managing the hospital facility.

### MINIMUM HARDWARE REQUIREMENTS:

#### Batch

- o Series 200 central processor with 49,152 characters of memory
- o Advanced programming and editing instruction features
- o Printer
- o Card reader
- o Six magnetic tapes
- o Console

#### Communications

- o Series 200 central processor with 28,672 characters of memory
- o Advanced programming and editing instruction features
- o Disk
- o Magnetic tape
- o Console
- o Communications interval timer
- o One multichannel communications control and communications adapter per hospital

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BH23)

Functional Description (BH24)

Administrator's Guide (BH22)

Product Brief (BH21)

**SHIPPING MEDIUM:** Master Source Program Library Tape and Binary Run Tape (A0608)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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**HCSS COMMON APPLICATION PROGRAMMING SYSTEM (TAPE) HDA**

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**DESCRIPTION:** The Common Application Programming System is the interface system for the various applications of Honeywell's Hospital Computer Sharing System (HCSS) — a cooperative system in which several hospitals subscribe to a centralized computer, and in which a participating hospital may be linked online in the processing network or may share the system through card input. The system may also be specialized to run for a single hospital. HCSS is a uniform framework for administrative decision-making, forecasting, and cost control that decreases hospital business office expenditures and improves patient care and service.

**MINIMUM HARDWARE REQUIREMENTS:**

**Batch**

- o Series 200 central processor with 49,152 characters of memory
- o Advanced programming and editing instruction features
- o Printer
- o Card reader
- o Six magnetic tapes
- o Console

**Communications**

- o Series 200 central processor with 28,672 characters of memory
- o Advanced programming and editing instruction features
- o Disk
- o Magnetic tape
- o Console
- o Communications interval timer
- o One multichannel communications control and communications adapter per hospital

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** HCSS Common Application Programming System (BG49)

**SHIPPING MEDIUM:** Source Program Tape (SPT) (A0605)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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**HCSS COST ALLOCATION (TAPE) HDA**

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**DESCRIPTION:** The Cost Allocation System is an extension of Honeywell's Hospital Computer Sharing System (HCSS) a unique communications and information processing system designed to link several hospitals into a computer network for applications in hospital administration and the medical management of patient needs. This HCSS application may be used either in a single hospital or in a multihospital environment. As with all HCSS applications, the primary objective of the cost allocation system is to enhance the quality of patient care by providing better tools for managing the hospital.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 central processor with 49,152 characters of memory
- o Advanced programming and editing instruction features
- o Printer
- o Card reader
- o Six magnetic tapes
- o Consoles

**Communications**

- o Series 200 central processor with 28,672 characters of memory
- o Advanced programming and editing instruction features
- o Disk
- o Magnetic tape
- o Console
- o Communications interval timer
- o One multichannel communications control and communications adapter per hospital

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BG93)

Functional Description (BG95)

Administrator's Guide (BG94)

Application Brief (BG91)

**SHIPPING MEDIUM:** Master Source Program Library Tape and Binary Run Tape (A0604)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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**HCSS GENERAL LEDGER RESPONSIBILITY REPORTING (TAPE) HDA**

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**DESCRIPTION:** This online application prepares the reports that hospital administrators need for effectively controlling costs. By providing integration of the General Ledger with other HCSS applications, flexibility is obtained to accommodate individual hospital requirements. Responsibility reporting provides a method for measuring performance against operating budget at the various levels of management.

**MINIMUM HARDWARE REQUIREMENTS:**

**Batch**

- o Series 200 central processor with 49,152 characters of memory

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- o Advanced programming and editing instruction features
- o Printer
- o Card reader
- o Six magnetic tapes
- o Console

### Communications

- o Series 200 central processor with 28,672 characters of memory
- o Advanced programming and editing instruction features
- o Disk
- o Magnetic tape
- o Console
- o Communications interval timer
- o One multichannel communications control and communications adapter per hospital

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BH68)  
Functional Description (BH69)  
Administrator's Guide (BH67)  
Product Brief (BH66)

**SHIPPING MEDIUM:** Master Source Program Library Tape and Binary Run Tape (A0609)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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### HCSS INVENTORY REPORTING (TAPE) HDA

**DESCRIPTION:** This Inventory Reporting System is an extension of Honeywell's Hospital Computer Sharing System (HCSS), an online information system that links several hospitals into a computer processing network for applications in hospital administration and the medical management of patient needs. The Inventory Reporting System enables both online and offline access to the HCSS Computer System. Used in conjunction with other HCSS computer applications, the HCSS Inventory Reporting System provides a uniform framework for inventory decision making, forecasting, and cost control.

As with all HCSS computer applications, the major emphasis of this system is to increase the quality of patient care by providing better tools for the management of a hospital facility.

#### MINIMUM HARDWARE REQUIREMENTS:

##### Batch

- o Series 200 central processor with 49,152 characters of memory
- o Advanced programming and editing instruction features
- o Printer
- o Card reader
- o Six magnetic tapes
- o Console

##### Communications

- o Series 200 central processor with 28,672 characters of memory
- o Advanced programming and editing instruction features
- o Disk

- o Magnetic tape
- o Console
- o Communications interval timer
- o One multichannel communications control and communications adapter per hospital

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BG48)  
Functional Description (BG50)  
Administrator's Guide (BG47)  
Application Brief (BG51)

**SHIPPING MEDIUM:** Master Source Program Library Tape, Binary Run Tape, and Master File Tape (T-INVX1) (A0602)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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### HCSS PAYROLL (TAPE) HDA

**DESCRIPTION:** The Payroll System is another link in the HCSS Communications System Network. The system uses the telecommunication processor for data collection of payroll transactions, which are edited and stored on magnetic tape for subsequent batch processing.

The HCSS Payroll System assumes the job of complete hospital payroll processing by creating and maintaining employee master files with all associated controls and reports. For example, the system maintains year-to-date totals, creates check registers, prints payroll checks, lists and proves all deductions and provides all quarterly and annual tax reports.

#### MINIMUM HARDWARE REQUIREMENTS:

##### Batch

- o Series 200 central processor with 49,152 characters of memory
- o Advanced programming and editing instruction features
- o Printer
- o Card reader
- o Six magnetic tapes
- o Console

##### Communications

- o Series 200 central processor with 28,672 characters of memory
- o Advanced programming and editing instruction features
- o Disk
- o Magnetic tape
- o Console
- o Communications interval timer
- o One multichannel communications control and communications adapter per hospital

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** EasyCoder

**DOCUMENTATION:** Implementation Guide (BH93)  
Functional Description (BH91)  
Administrator's Guide (BH92)

**SHIPPING MEDIUM:** Source Program Tape (A0610)



**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

**HCSS PERSONNEL (TAPE) HDA**

**DESCRIPTION:** The Personnel System is an extension of Honeywell's Hospital Computer Sharing System (HCSS) – a cooperative information system that links several hospitals into a computer processing network for applications in hospital administration and the medical management of patient needs. Online access through the use of the card reader is a design feature of this personnel system. The system may be used in either a single hospital or multihospital environment. Used in conjunction with other HCSS computer applications, the Personnel System provides a uniform framework for effective personnel management. It employs techniques and procedures that offer a high degree of compatibility with present and future HCSS applications. As with all HCSS extensions, the major emphasis of this system is to assist in improving the quality of patient care by providing better tools for the management of a hospital.

**MINIMUM HARDWARE REQUIREMENTS:**

**Batch**

- o Series 200 central processor with 49,152 characters of memory
- o Advanced programming and editing instruction features
- o Printer
- o Card reader
- o Six magnetic tapes
- o Console

**Communications**

- o Series 200 central processor with 28,672 characters of memory
- o Advanced programming and editing instruction features
- o Disk
- o Magnetic tape
- o Console
- o Communications interval timer
- o One multichannel communications control and communications adapter per hospital

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BH41)  
Functional Description (BH43)  
Administrator's Guide (BH42)  
Product Brief (BH40)

**SHIPPING MEDIUM:** Master Source Program Library Tape, Binary Run Tape, and Master File Tape (T-PERX2) (A0607)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

**HCSS PREVENTIVE MAINTENANCE (TAPE) HDA**

**DESCRIPTION:** The Preventive Maintenance System is an extension of Honeywell's Hospital Computer Sharing System (HCSS), a unique communication and information processing system that links several hospitals into a computer network for applications in hospital administration and the medical management of patient needs. Tailored for use in conjunction with other HCSS computer applications, the Preventive Maintenance System assists hospital engineering and maintenance staffs in planning routines to preserve equipment serviceability, minimize down time, and extend the useful life cycle of hospital equipment at minimum cost. The system can handle any requirement for periodic maintenance service, ranging from the most sophisticated laboratory device to the simple procedures for maintaining air conditioning equipment or furniture (i.e., a mechanical hospital bed). As with all HCSS applications, the primary emphasis of the Preventive Maintenance System is to enhance the quality of patient care by providing better tools for managing the hospital facility.

**MINIMUM HARDWARE REQUIREMENTS:**

**Batch**

- o Series 200 central processor with 49,152 characters of memory
- o Advanced programming and editing instruction features
- o Printer
- o Card reader
- o Six magnetic tapes
- o Console

**Communications**

- o Series 200 central processor with 28,672 characters of memory
- o Advanced programming and editing instruction features
- o Disk
- o Magnetic tape
- o Console
- o Communications interval timer
- o One multichannel communications control and communications adapter per hospital

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BG70)  
Administrator's Guide (BG62)  
Application Brief (BG61)

**SHIPPING MEDIUM:** Master Source Program Library Tape and Binary Run Tape (A0603)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

**HCSS PROPERTY LEDGER (TAPE) HDA**

**DESCRIPTION:** The HCSS Property Ledger System assumes the job of property accounting by establishing

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procedures for entering data into the computer for maintaining records on each property item. Accounting valuation procedures are followed automatically each fiscal year, using any one of the three depreciation methods acceptable under Medicare requirements. In situations where two different depreciation bases are desired simultaneously, two separate property ledger files may be established. The system supplies hospital management with information procedures required to maintain current property records and to identify both valuation and depreciation amounts by department. This information is of significant value in optimizing property insurance coverage and in establishing reimbursement levels for Medicare, Blue Cross, and other outside providers.

### MINIMUM HARDWARE REQUIREMENTS:

#### Batch

- o Series 200 central processor with 49,152 characters of memory
- o Advanced programming and editing instruction features
- o Printer
- o Card reader
- o Six magnetic tapes
- o Console

#### Communications

- o Series 200 central processor with 28,672 characters of memory
- o Advanced programming and editing instruction features
- o Disk
- o Magnetic tape
- o Console
- o Communications interval timer
- o One multichannel communications control and communications adapter per hospital

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (BG90)

Functional Description (BG89)

Administrator's Guide (BG88)

Application Brief (BG87)

**SHIPPING MEDIUM:** Master Source Program Library Tape and Binary Run Tape (A0606)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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### HCSS SINGLE HOSPITAL (TAPE) HDA

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**DESCRIPTION:** Single Hospital HCSS is an adaptation of the applications and extensions of Honeywell's Hospital Computer Sharing System (HCSS) providing for implementation of this complete system in circumstances not requiring HCSS telecommunications features. Normally, these circumstances exist where HCSS is installed for the exclusive use of a single hospital. However, multiple hospitals may find features of this HCSS adaptation appropriate for shared environments. Essentially, single hospital HCSS is a fully documented method for bypassing telecommunications features, without sacrificing the other proven hospital benefits of HCSS. Basic computer programs are identical in either circumstances with a fully

detailed explanation of the specialization differences contained in the documentation. The single hospital approach retains the ability to service other hospitals in the future; to share present and future problem solutions between the large number of hospitals using HCSS; and, if it becomes appropriate at a later date, to implement HCSS telecommunications either for external or internal benefits.

### MINIMUM HARDWARE REQUIREMENTS:

#### Batch

- o Series 200 central processor with 49,152 characters of memory
- o Advanced programming and editing instruction features
- o Printer
- o Card reader
- o Six magnetic tapes
- o Console

#### Communications

- o Series 200 central processor with 28,672 characters of memory
- o Advanced programming and editing instruction features
- o Disk
- o Magnetic tape
- o Console
- o Communications interval timer
- o One multichannel communications control and communications adapter per hospital

**OPERATING SYSTEM:** Mod 1 (TR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (BJ03)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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### MEDICAL ADMINISTRATIVE CONTROL SYSTEM (MEDACS) PATIENT ACCOUNTING HDA

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**DESCRIPTION:** This computerized hospital accounting package is a disk oriented system designed for use in a single hospital environment. It includes a patient accounting application reducing manual record keeping to a minimum and performing many of the functions now manually performed by the business office. The system includes provisions for detailed prorated bills, accounts receivable management, extensive automatic pricing, census and occupancy statistics, daily and monthly revenue reports, department revenue analysis, patient's daily trial balances, and hospital staff oriented reports.

### MINIMUM HARDWARE REQUIREMENTS:

#### Series 200/2000

- o Series 200 with 32,768 characters of memory
- o Two disks
- o 132-position printer
- o Console
- o Card reader

**Series 60 Level 64**

- o Model 64/20 central processor
- o Two disk drives
- o Printer
- o Card reader

**OPERATING SYSTEM:** Mod 1 (Disk)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Implementation Guide (AC68)

- Code Book (AJ76)
- Operating Instructions (AJ79)
- Summary Description (AJ31)
- Product Brief (AC65)
- Application Summary (AC66)

**SHIPPING MEDIUM:** four Disk Copy tapes

- Series 200/2000 (APH6001)
- Series 60 Level 64 (ADH0001)
- MEDACS Source Library User Verification Tapes (2)
- Demo Discopy Tapes (2) (available without a contract) (A1609)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

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**MEDICAL RECORD SYSTEM** **ARI**

**DESCRIPTION:** This system for hospitals and other similar facilities provides all the necessary reports for medical record departments, including the automatic coding of diseases and operations for medical records, emergency room, out-patient departments, and patient billing. Collection, processing, and provision of patient information is through a simple, fast, daily routine meeting daily work needs and long-term requirements. Accuracy is maintained daily through special error-recognition capabilities. The quarterly report provides distribution of individual reports to admitting and consulting physicians.

The system provides the following reports.

On a daily basis:

- o Utilization review (PSRO) reports
- o Utilization statistics
- o Final diagnoses coded for business office

On a monthly basis:

- o Statistics (can be ready for Administration within 3 days of month-end)
- o Service Report, Death Register, Patient Index, Disease Index
- o Operation Index, Physicians Index, Consultant Activity Report
- o Medical Audit – all Patient; Committee Audit – medical surgical
- o Alphabetical patient cross reference, emergency room, and out-patient coding
- o The system does 99% of all disease and operation coding, including any delayed diagnoses.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 Model 1200 central processor with 65K characters of memory
- o Six tapes

**PROGRAMMING LANGUAGE:** COBOL

**SHIPPING MEDIUM:** Installed with 100% warranty.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** System can be modified: to 32K in about 120 days, price negotiable; to 49K two disks, two tapes in 30 days, price negotiable.

**I.D. NUMBER:** 5 74 0319

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**PAYROLL** **ARI**

**DESCRIPTION:** A self-adapting system that provides employee rosters, master report for each employee, earnings report with labor distribution by department, payroll checks with flexible earning statements, payroll journal and check register vacation and sick leave accounting, quarterly payroll tax reports and annual W-2s.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 Level 64 central processor with 64K of memory
- o Two disks
- o Two tapes
- o Card reader
- o Printer

**OPERATING SYSTEM:** DOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Extensive

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 74 0137

**BUSINESS AND  
MISCELLANEOUS SERVICES**

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**ABLE® & THE ACCOUNTING  
LANGUAGE®** **ARI**

**DESCRIPTION:** Enables accountants to prepare periodic reports for management using as its data base the company's own chart of accounts and/or trial balance. While working from raw data or trial balance figures, ABLE will leave a perfect audit trail when it posts to the journals, ledgers, and payroll records. Any report which can be prepared by hand from the figures in memory can be prepared faster and easier with this system. There are no restrictions on the chart of account (it does not have to be output-oriented) and there are no restrictions on the output formats. Consolidated statements, departmental analysis, prorations among departments, any number of standard, adjusting, depreciation, and even depletion entries can be made automatically with ABLE. The high-level, powerful, user-oriented THE ACCOUNTING LANGUAGE is incorporated into the system. The whole package is designed for use by accountants; it does not take a programmer to make it work. By-product reports include Forms 941-A and W-2. The operating system portion was designed for minimum operator action or reaction, and is therefore ideal for use by accountants.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 24K characters of memory
- o Two disks or four tapes or any combination
- o Line printer
- o Optional choice of input: card, tape, or paper tape

**OPERATING SYSTEM:** Optional

**PROGRAMMING LANGUAGE:** COBOL (Transparent)

## BUSINESS AND MISCELLANEOUS SERVICES

**DOCUMENTATION:** Complete user documentation and installation training by vendor included.

**SHIPPING MEDIUM:** Tape or card

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Complete maintenance available.

**I.D. NUMBER:** 5 76 0201

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### ACCOUNTS PAYABLE ARI

**DESCRIPTION:** System creates and updates vendor history file, open-item file, and distribution file (General Ledger). The system automatically ages all accounts payable based on invoice pay date. Items eligible for payment are released for payment automatically by various parameters entered by the user, i.e., take all discounts, pay all invoices below a specified dollar amount with total A/P payments not to exceed a given dollar amount.

Payroll checks are generated with necessary reconciliation reports. Recaps by vendor, by invoice, by check number for future inquiry from vendors. Distribution file is by period so that upon request by accounting all the necessary journal entry cards can be punched for the General Ledger System along with journal trial balance for the payables. Optional vendor history tape update recaps total purchases by vendor year-to-date.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 central processor with 24K memory
- o Two disks
- o Card reader
- o Printer
- o Console

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0164

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### ACCOUNTS RECEIVABLE ARI

**DESCRIPTION:** The Accounts Receivable System is designed on a balance forward concept. Any balances remaining from previous periods are moved to the next bracket, i.e., current to 30 day, 30 day to 60 day, 60 day to 90 day. Service fees of 1½% are calculated on all unpaid balances 31 days or older. Payments are applied to service fee first, remaining monies are then applied to the oldest balances; any remaining monies are credited to the current column for application against the current month charges as they are applied from the billing file (which comes from the invoicing system, and also includes all route-audit adjustments).

Statements are generated after all balancing reports and total dollars balance back to Route-Audit Sales (charge) for the period.

Various reports are generated from the system such as 90 day aging, A/R aging, service fee report, 90-day delinquent statements, COD letters. The system also ties into the General Ledger.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 central processor with 24K memory
- o Two disks
- o Card reader
- o Card punch
- o Printer
- o Console

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0163

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### BUDGET REPORTS ARI

**DESCRIPTION:** Budget reports are given by:

- Department
- District
- Division
- Company

All reports give percentage of relationship to either product type, sales growth, or percent of sales, depending what type report is being processed.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 central processor with 24K memory
- o Two disks
- o Card reader
- o Card punch
- o Printer
- o Console

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0166

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### COBOL CONCORDANCE PROGRAMS ARI

**DESCRIPTION:** The program accepts a deck of COBOL statements and prepares a listing and assigns line/card numbers. Then it automatically prints a table of file, data, index and paragraph names used in the programs, in alphanumeric sequence. The listing table shows whether the symbolic name originated in the file, data or procedure division of the program.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 central processor with 24K memory
- o Disk

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0148

## BUSINESS AND MISCELLANEOUS SERVICES

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### **DRY CLEANING SYSTEM** **ARI**

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#### **MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 central processor with 24K memory
- o Two disks
- o Card reader
- o Card punch
- o Printer
- o Console

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0170

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### **FIXED ASSET SYSTEM** **ARI**

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**DESCRIPTION:** The Fixed Asset System provides complete control of asset reporting for accounting purposes. Reports provided are:

- o Property Listing
- o Property Additions
- o Properties Transferred In
- o Depreciation Summary
- o Property Disposal Listing
- o Properties Transferred Out

Depreciation is calculated for either straight line or accelerated method.

The system maintains the book and tax depreciation of the assets by various class and depreciation codes. System keeps track of assets in a multiplant operation. Adjustments of depreciation amounts for disposals and transfers may be made any time during the year.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 central processor with 40K characters of memory
- o Three disks
- o Printer
- o Card reader

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Systems flow chart, disk and card record layouts, operations run procedures, sample file maintenance forms.

**SHIPPING MEDIUM:** Cards – COBOL source only

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0143

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### **GENERAL LEDGER** **ARI**

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**DESCRIPTION:** This system is a complete, automated Accounting System. It is probably one of the most complete tools that industrial laundries can use for financial planning. All input comes automatically from the following systems: Payroll, Inventory, Accounts Payable, Accounts Receivable, Sales Analysis.

Reports from the system are:

- Journal Summaries
- Journal Out-of-Balance Report
- Trial Balance
- General-Ledger-Balance Forward (by period or year-to-date)
- Budget Operating Reports, i.e., Material Investment (by department, district, division, company), Sales, Expenses

LEVEL 64 AND SERIES 200/2000

These reports compare actual against budget, giving variances both for period and year-to-date. All reports give percentage of relationship to either product type, sales growth, or percent to sales, depending what type report is being processed.

All values maintain their integrity of period relationship and can be back referenced at any time if the need arises.

Also has the necessary input for planning and reporting on budgets for new fiscal year.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 central processor with 24K memory
- o Two disks
- o Card reader
- o Card punch
- o Printer
- o Console

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0165

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### **GENERAL LEDGER AND BUDGET** **ARI**

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**DESCRIPTION:** In addition to processing general ledger bookkeeping tasks and providing complete financial statements, general ledger, and budget reports, this system has a report generator capability. This feature enables executives, department heads, and accountants to request, design, and implement their own unique reports.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 Model 2020 central processor with 32K characters of memory
- o Disk
- o Four tapes

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Will provide five consecutive days on site to install for the cost of travel/living expenses.

**I.D. NUMBER:** 5 76 0267

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### **GENERAL LEDGER/CLIENT ACCOUNTING** **ARI**

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**DESCRIPTION:** This system edits, balances, and updates the General Ledger Accounting System to provide output of journals, general ledger activity report, balance sheets and income/expense statement. Source data can be coded for payroll accumulations, 941, and W-2 preparation. The system allows 1-75 clients. Report writing maintains four levels of totals (month and year-to-date) with storage for 50 subtotals for summary reporting. Such special reports as budget, quantity, and unit report can be added depending on user requirements.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200 Model 105, including 16K characters of memory
- o Two disks (type 172)

**PROGRAMMING LANGUAGE:** COBOL C

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0278

## BUSINESS AND MISCELLANEOUS SERVICES

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### GOLF HANDICAPS ARI

**DESCRIPTION:** This package utilizes a member master and applies weekly maintenance (18 hole golf scores) to it. It is a very effective package that handles an infinite number of members and a tremendous amount of scores to give you the most up-to-date handicaps possible. The end result of the system is a report for the pro shop and either cards or pressure sensitive labels for the member.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 16K of memory
- o 132-position printer
- o Disk
- o Three tape drives
- o Card reader

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** MSR COBOL

**SHIPPING MEDIUM:** One tape (source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0198

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### INCOME AND BALANCE SHEETS ARI

**DESCRIPTION:** These reports give profits by:

- Department
- District
- Division
- Company

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 central processor with 24K memory
- o Two disks
- o Card reader
- o Card punch
- o Printer
- o Console

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0168

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### INVOICING ARI

**DESCRIPTION:** This system generates daily invoices, load-out sheets, bundle tags, dry cleaning tickets, customer list, cash reconciliation sheets. The system creates the customer billing file (A/R Billing). The items on the invoice are passed through a pricing program that calculates dollar values for that specific delivery based on such parameters as C-counts, minimum charges, minimum stop charges, flat-rate billing.

The necessary files are created and passed through the system for later updating, i.e., Sales Analysis, Route-Audit Reconciliation, Stop Service System, Credit Analysis System, Out-of-Service Garment Statements, General-Ledger System.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 central processor with 24K memory
- o Two disks
- o Card reader

- o Card punch
- o Printer
- o Console

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0158

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### MAILING LIST ARI

**DESCRIPTION:** This package is an easy-to-administer and easy-to-run mailing label system. The system uses a combination of several unique areas of each member's data to identify each member and, therefore, enables the user to maintain this file. All files reside on tape and all maintenance is in the form of the standard 80-column card. The system output may be either a printout, 3 x 5 cards, or 5-up pressure sensitive labels. All of these reports are available in alpha or zip code sequence with zip code breaks noted on the labels for bulk mailing.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 16K bytes of memory
- o 132-position printer
- o Disk
- o Three tapes
- o Card reader

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** MSR COBOL

**SHIPPING MEDIUM:** One tape (source)

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0197

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### OPERATING REPORTS ARI

**DESCRIPTION:** These reports are run from the Automated Accounting System and are tied into all the Industrial Laundry products. This system gives operating profit reports by:

- Department
- District
- Division
- Company

All reports give percentage of relationship to either product type, sales growth, or percent of sales, depending what type of report is being processed.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 central processor with 24K memory
- o Two disks
- o Card reader
- o Card punch
- o Printer
- o Console

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact AIR (see Preface).

**I.D. NUMBER:** 5 76 0167

## BUSINESS AND MISCELLANEOUS SERVICES

### OPERATIONS/DATA ENTRY MANAGEMENT      ARI

**DESCRIPTION:** This Documentation/Management System, based on one master file, called the job history file, contains a complete record of user information. The system serves as a backup for an installation's documentation. It produces 27 separate reports, such as:

- o Operator and keypunch guide sheets
- o Job requirement sheets
- o Computer operations schedules
- o Job/batch directories
- o File labels
- o Data entry schedules
- o Report distribution listings
- o File and data where-used listings

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 24K of memory
- o Advanced programming and editing instruction features
- o Card reader
- o Printer
- o Three tapes or disk drives

**OPERATING SYSTEM:** Mod 1 or OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Comprehensive, including program listings and system reference manual

**SHIPPING MEDIUM:** Card image tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Periodic program maintenance when required.

**I.D. NUMBER:** 5 76 0016

### PAYROLL      ARI

**DESCRIPTION:** The Payroll System computes gross pay using several compensation methods; it maintains, calculates and deducts takes and voluntary deductions and prepares accurate payroll checks. Several rates can be used in calculation of pay for each employee and payroll cost can be distributed to an unlimited number of cost centers. Government payroll tax requirements are met and improved design of tax deduction algorithms is provided for easy maintenance. Each employee can have an unlimited number of deductions and several pay frequencies are provided. Check reconciliation is included with this system.

Features included are:

- o Deductions may be computed on several bases
- o Federal and state tax routines maintained
- o Simplified payroll tax maintenance
- o Sixteen voluntary deductions for each employee/pay
- o Choice of several pay cycles
- o Unlimited distribution to labor accounts
- o Pay for an employee can be comprised of several elements
- o Interfaced with General Ledger System

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 central processor with 24K memory
- o Two disks
- o Card reader
- o Card punch
- o Printer
- o Console

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0169

### PRODUCT PENETRATION      ARI

**DESCRIPTION:** Part of Sales Analysis, the system recaps products by route and calculates the percentage that product is of the route's total sales dollars. The total of the recap breaks down the dollars and percent the route has of personal and nonpersonal mix. This tells management which routes are straying from tolerable product mix. There are also summary reports by districts, by division, by total company.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 central processor with 24K memory
- o Two disks
- o Card reader
- o Card punch
- o Printer
- o Console

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0161

### ROUTE EVALUATION      ARI

**DESCRIPTION:** This system is partially updated from the Sales Analysis System to reflect the current weekly, period and Y-T-D sales information. In addition all stop service, credits, new business (both personal and nonpersonal) are updated through the system to give ending balances. The reports are recapped by team, i.e., a certain number of routes are summarized by route supervisor. This report is a management tool for evaluating which teams are below standard performance.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 2000 central processor with 24K memory
- o Two disks
- o Card reader
- o Card punch
- o Printer
- o Console

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0160

### SALES ANALYSIS      ARI

**DESCRIPTION:** This system processes daily sequential files (it only has to be processed once a week because of special file structure, allowing you to add daily data to a sequential file) from the Invoicing System. The system precodes each item type so that subtotals are grouped by product type, i.e., Walk-Off-Mats, Shop Towels, D.P. Garments, etc. The system generates a number of reports:

- o Detail sales analysis by route, item, product type
- o Summary by districts
- o Summary by divisions
- o Summary by company

## BUSINESS AND MISCELLANEOUS SERVICES / MISCELLANEOUS

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 2000 central processor with 24K memory
- o Two disks
- o Card reader
- o Card punch
- o Printer
- o Console

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0159

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### VEHICLE MAINTENANCE ARI

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**DESCRIPTION:** This system monitors all cost, maintenance and gasoline associated with our route trucks and salesmen cars. The costs are recapped and reported for each of the 13 periods of our fiscal year. The system is currently being modified to set up a periodic PM schedule for these vehicles.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 2000 central processor with 24K memory
- o Two disks
- o Card reader
- o Card punch
- o Printer
- o Console

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 76 0162

## MISCELLANEOUS

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### DATA PROCESSING OPERATING PROCEDURES MANUAL (DOCUMENTATION) HDA

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**DESCRIPTION:** Data Processing Operation Procedures Manual was developed by Honeywell's Technical Computer Center, a multicomputer organization of Honeywell Information Systems Inc. The center includes nine computer systems, ranging from the Model 105 to the 645. Related support functions include tape/disk library, scheduling supplies and security. The group also provides administrative operations including: equipment planning forecasting, programming and training. Although the manual, covering 13 functional areas, reflects procedures for a specific installation, it can serve as a guide in developing similar documentation in a new or existing installation.

**DOCUMENTATION:** Operations Procedures Manual (CAP15)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### JOB STACK (DOCUMENTATION) HDA

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**DESCRIPTION:** Job Stack is a method or technique for computer operations in which all programs/systems development and checkout is processed on a controlled priority basis as contrasted to a prescheduled time, i.e., open shop.

The concept of Job Stack was developed within Industry Marketing in order to maximize the use of two valuable resources: programmer time and machine time. From the programmer's viewpoint the advantages of Job Stack far outweigh those of an open-shop. Job Stack also offers a number of advantages from an operations standpoint.

**DOCUMENTATION:** (CAP16)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### OPERATOR'S REFERENCE MANUAL (DOCUMENTATION) HDA

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**DESCRIPTION:** This manual provides Series 200 computer operators rapid access to information/data that is most frequently required in the daily operation of a computer installation. For example, compilation/assembler control cards, job control language and disk build procedures. In addition, the manual contains the standard halts, messages, job initialization, generation and job termination procedures. In effect, the submitter has taken all the information and data most frequently required by operators and formatted them into a readily accessible document. For ease of applicability, the manual is divided into six functional areas, Mod 1, OS/200, Mod 4, Utilities and Miscellaneous.

**DOCUMENTATION:** Series 200 Operator's Reference Manual (CAP18)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### SYSTEM TECHNIQUES AND STANDARDS MANUAL (DOCUMENTATION) HDA

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**DESCRIPTION:** The manual serves as a guide to the development of computer applications/systems, as well as its support and modifications. It is an ideal document that should be included in every Data Processing Manager's library.

The standards included in this manual are not intended to serve as a "cook-book" approach to systems work, but rather are intended as a guide for the professional systems analyst in the development of a quality product which meets the requirements of the customer.

The manual is divided into four functional areas that are the building blocks for any successful system, i.e., definition, commitment, development and implementation. Within each function are phases or steps that guide the systems analyst throughout the entire systems cycle.

**DOCUMENTATION:** Standard Manual (CAP19)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### SYSTEMS TURNOVER (DOCUMENTATION) HDA

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**DESCRIPTION:** The Systems Technique and Standards Manual has set up a guideline for the development of computer systems. In this respect, the Systems Turnover package is a sequel or extension to the Systems Technique and Standards Manual in that it determines the steps that must be accomplished in order to carry a system from the final stages of development to its implementation as a production system.



In order for a system to be implemented into production usage, the functional areas involved in processing the system must be supplied with that information which is necessary for the most sufficient handling of the system. The functional areas directly involved during the turnover stage are:

- o Data preparation, which consists of the keypunching, pooling, and balancing activities.
- o Processing control, which consists of the scheduling, setup, tape library, and distribution activities, and
- o Operations, which consists of the actual computer processing and forms stocking activities.

**DOCUMENTATION:** (CAP20)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SYSTEMS SOFTWARE**

**AUTOMATED RESOLUTION FROM CENTURY TO HONEYWELL (ARCH) – BASIC PACKAGE LIC**

**DESCRIPTION:** NCR Neat/3 to Honeywell Series 200/2000 COBOL conversion aid assists in converting programs written in the Neat/3 programming language to the Honeywell COBOL language capable of running on Honeywell Series 200/2000.

Conversion package consists of:

1. ARCH, Neat/3 to COBOL Translator
2. Q-PROG, a routine to select Neat/3 source programs from the ADISC and put them out on 9-channel EBCDIC tape.
3. File transcriber that accepts any type of input data and transfers it to 9-channel EBCDIC tape.
4. Utility routines to get programs and/or data from 4- to 7-channel tape.
5. TRANS, a routine that transliterates NCR source program decks to 7-channel BCD card image tape for input to translator.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 48K memory
- o Disk
- o Card reader
- o Tape
- o Printer

**OPERATING SYSTEM:** Mod 1 (MSR) or OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** ARCH Translator User's Guide (Available from Small/Medium Systems Support Services Dept.)

**SHIPPING MEDIUM:** Tape (SPV0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**AUTOMATED RESOLUTION FROM CENTURY TO HONEYWELL (ARCH) – FULL PACKAGE LIC**

**DESCRIPTION:** ARCH assists in converting programs written in the NCR Neat/3 programming language to the Honeywell Series 200/2000 COBOL language capable to running on Honeywell Series 200/2000.

Same as basic package except it additionally includes the following:

- o Systems engineering support – 15 days
- o Machine time – 25 hours  
(Both supplied by local branch.)

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor with 48K memory
- o Disk
- o Card reader
- o Tape
- o Printer

**OPERATING SYSTEM:** Mod 1 (MSR) or OS/2000

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** ARCH Translator User's Guide Available from Small/Medium Systems Support Services Dept.

**SHIPPING MEDIUM:** Tape (SPV0002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**COBOL-68 DATA COMMUNICATIONS EXTENSION HDS**

**DESCRIPTION:** Level 64 COBOL-68 Data Communications Extensions extend COBOL-68, includes language elements of the CODASYL COBOL Communications Facility.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 64 central system
- o Card reader
- o Disk
- o Tape
- o Printer

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCL0203)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**DATAPROB ARI**

**DESCRIPTION:** DATAPROB is not intended to replace existing programming languages but to enhance the procedure of obtaining and massaging information that already exists within most computer installations. Benefits are derived immediately through the report generation facility which can turn an inexperienced employee into a production programmer for those often required quick reports that cause interruptions to implementation of scheduled systems. Through DATAPROB's selective dump capabilities, a user can specify those records that are suspects and permit the program to ignore all others, thus resulting in considerable reduction in paper costs and time spent analyzing large cumbersome reports and listings. In addition to having data in readable form, experienced programmers would have readily available a means of creating original files, balancing, duplicating, deleting, purging, separating and/or merging data. Management can realize immediate benefits through the quick turnaround of requests due to the elimination of compiling and cataloging of the programs required to satisfy those

## MISCELLANEOUS / SYSTEMS SOFTWARE

requests. Default values, abbreviations, and concentration of elements provide for ease of modification and/or correction, without the requirement of machine time. Multiple files in the in, out, or update mode can be tape and/or disk with access sequential, index sequential, and/or random along with cards and printing.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 or Level 64 central processor with 20-32K characters of memory
- o Up to four disks (optional)
- o Up to eight tapes (optional)

**OPERATING SYSTEM:** Mod 1 or OS/2000

**PROGRAMMING LANGUAGE:** Assembler

**DOCUMENTATION:** Manuals are available upon request.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option available.

**I.D. NUMBER:** 5 05 0363

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### REPORT GENERATOR

ARI

**DESCRIPTION:** In 24K, SLAT (Slow List & Total), driven by 5 to 50 object-time column-sensitive parameter cards, generates a report having up to seven control-break levels, (e.g., the employee, section, department, branch, region, and divisional level, within grand totals); each level having up to 13 totals; each total printing, in money or integer format, decade-synchronized in 10 or 20 print positions. If staggered printing is requested, then the even-numbered totals at that level print on the current line and the odd-numbered totals print on the next line, permitting 20-character totals to be aligned under 10-character column headings. SLAT annotates each subtotal line by printing a level number, a 20-character title extracted from the heading table, and the old value of the 20 character control-break key.

An audit trail summary page having a fixed format is printed at the end of each copy of the report. It alerts the user to sort error, arithmetic overflow, nonnumeric add field, possible truncation, records read, records reported, minimum and maximum of any two fields (with user-specified or generic titles), the most records reported before a control break (perhaps salesperson having the most orders), the maximum value of each total during the report together with the corresponding value of the control-break key.

As many copies can be printed as there are addressee cards following the interpreter call card, and the addressee card can be printed in the top margin of each page, as part of a line that shows the SLAT revision number and the run date.

Speed is two report lines per second; the same report can be generated twice as fast by a noninterpretive 2000 card 24K COBOL program. But the SLAT report can be coded by a novice programmer in one day; the COBOL report takes an experienced programmer several days. If a report is short enough to print in a few minutes, is redesigned occasionally, or is printed rarely, then SLAT programming ease may be preferable to COBOL printing speed.

SLAT consists of a translator program, an interpreter program, a file for the parameter cards, and a file for the data to be reported. These reside on one disk pack together with the sort utility and its work file. The user must build this pack, but the author furnishes a listing of a 90-card deck used to build a Type 259 pack. Or SLAT can be used without disk.

LEVEL 64 AND SERIES 200/2000

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 200/2000 Model 2020 with 24K of memory
- o Two disks (type 259, 10 surface 9.2 MB)
- o Optional tape
- o Printer
- o Card reader

**OPERATING SYSTEM:** Mod 1 (MSR)

**PROGRAMMING LANGUAGE:** COBOL C

**DOCUMENTATION:** User's guide, test report, test run deck

**SHIPPING MEDIUM:** Card image tape or cards; source only.

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 5 05 0332

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### SERIES 60 LEVEL 64 COBOL-68

HDS

**DESCRIPTION:** Level 64 COBOL-68 is a high-level programming language utilized under GCOS Level 64 operation. Level 64 COBOL-68 conforms to American National Standards Institute COBOL-68 standards (less report writer) and is compatible with OS/2000 COBOL-68.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 64 central system
- o Card reader
- o Disk or tape
- o Printer

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCL0201)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### SERIES 60 LEVEL 64 COBOL-74

HDS

**DESCRIPTION:** Level 64 COBOL-74 compiler is a language processor that operates under GCOS Level 64. This compiler conforms to major American National Standards Institute COBOL-74 specifications and supports all Level 64 peripheral devices.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 64 central system
- o Card reader
- o Printer
- o Disk
- o Tape

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk/Tape (SCL1001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### SERIES 60 LEVEL 64 COBOL-74 DATA COMMUNICATIONS EXTENSION

HDS

**DESCRIPTION:** Level 64 Data Communications Extensions COBOL-74 include language elements conforming to Communications Task Group (CTG) standards.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 64 central system
- o Card reader
- o Printer
- o Disk
- o Tape

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCL1003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64 EASYWRITER** **HDS**

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**DESCRIPTION:** Level 64 Easywriter is a data management language, utilized under GCOS Level 64, which extracts data from standard Series 200/2000 files, manipulates that data, and produces output reports.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 64 central system
- o Card reader
- o Disk
- o Tape
- o Printer

**OPERATING SYSTEM:** GCOS Level 64

**DOCUMENTATION:** Easywriter Elementary Query Language (AH39)  
Easywriter Subsystem (AH38)

**SHIPPING MEDIUM:** Disk and Tape (SCL0208)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64 FORTRAN** **HDS**

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**DESCRIPTION:** Level 64 FORTRAN is a high-level programming language utilized under GCOS Level 64 operation. It is an application oriented algebraic language that conforms to American National Standards Institute FORTRAN IV Standards.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 64 central system
- o Card reader
- o Printer
- o Disk
- o Tape

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk/Tape (SCL1006)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64 FORTRAN-66** **HDS**

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**DESCRIPTION:** Level 64 FORTRAN-66 is an application-oriented algebraic programming language utilized under GCOS Level 64 operation. It exceeds FORTRAN standards as defined by USASI on March 7, 1966. A library of subroutines for most common mathematical computations is included.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 64 central system
- o Card reader

- o Disk
- o Tape
- o Printer

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCL0206)

**ORDERING PROCEDURES:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64 FORTRAN LIBRARY** **HDS**

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**DESCRIPTION:** Level 64 FORTRAN Library is a complete set of subroutines that complement Level 64 FORTRAN by performing most common mathematical computations under control of GCOS Level 64.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 64 central system
- o Card reader
- o Printer
- o Disk
- o Tape

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCL1007)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64 RPG** **HDS**

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**DESCRIPTION:** Level 64 RPG is a high-level report program generation language which is utilized under GCOS Level 64 operation. Following accepted industry standards, it produces report programs from file and report specifications furnished by the user.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 64 central system
- o Card reader
- o Printer
- o Disk
- o Tape

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk/Tape (SCL1011)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 60 LEVEL 64 SORT/MERGE** **HDS**

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**DESCRIPTION:** Level 64 Sort/Merge operates under control of GCOS Level 64 and sorts unordered files into a specified sequence or combines several ordered files into one file in the same sequence.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 64 central system
- o Card reader
- o Printer
- o Disk
- o Tape

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCU1003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

## SYSTEMS SOFTWARE

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### **SERIES 60 LEVEL 64 SORT PROGRAM** **HDS**

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**DESCRIPTION:** Level 64 Sort Programs consist of four sorts that provide for both tape and disk sorting of unordered Series 200/2000 files and two collate programs to combine several ordered Series 200/2000 files into one file in the same sequence.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 64 central system
- o Card reader
- o Disk
- o Tape
- o Printer

**OPERATING SYSTEM:** GCOS Level 64

**SHIPPING MEDIUM:** Disk and Tape (SCU0203)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### **SERIES 200/2000 OS/2000** **HDS**

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**DESCRIPTION:** OS/2000 is a multiprogram operating system that supports the power of Honeywell's Medium Scale Series 2000 central processors. It allows concurrent job stream processing in up to ten dynamically assigned, hardware-protected partitions of main memory. The system manipulates the number of partitions, as well as the size of each partition in order to obtain maximum efficiency in memory management. It also allows up to five data transcription routines to run simultaneously; in this manner as many as 15 independent operations can be performed simultaneously.

OS/2000 provides four language translators: American National Standard COBOL (Full 68 standard less report writer), FORTRAN, Easycode Assembler and Easywriter interpretive management report language. It has a full range of utilities for disk data management, program development support and other utility functions.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 medium-scale central processor with 65K memory
- o All-disk or tape/disk required
- o Card reader
- o Printer
- o Console

**OPERATING SYSTEM:** OS/2000

**DOCUMENTATION:** Concepts and Characteristics of OS/2000 (AH21)

**SHIPPING MEDIUM:** Disk/tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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### **SERIES 200/2000 TOTAL 4H/TOTAL CENTRAL** **LICENSE**

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**DESCRIPTION:** TOTAL is a program product that provides a data base management capability, functioning with a host language (COBOL, Easycode, FORTRAN). It provides the input/output interface with the random access disk device. It functions in two ways:

- o As a descriptor language (DDL) defines files, records, fields and interrecord/file relationships.
- o As a data management language (DML) allows the programmer to implement and maintain these records and relationships.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 with 49K (Mod 1 MSR) or 65K (OS/2000) characters of memory
- o Disk

**OPERATING SYSTEM:** Mod 1 (MSR) or OS/2000

**PROGRAMMING LANGUAGE:** Easycode

**DOCUMENTATION:** Product Brief (AJ62)  
Sales Brochure (AJ92)  
User Manual (AB65)

**SHIPPING MEDIUM:** TOTAL 4H (SPD0002)  
TOTAL Central (SPD0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

- NOTES:**
1. On fully paid-up licenses, software maintenance updating charges are invoiced annually commencing on year after delivery. This fee is not applicable to monthly license fee customers.
  2. License option credits (LOC) of 50% of the first six months of monthly license fees paid may be applied toward conversion to a fully paid-up license. Customer may elect to convert to a fully paid-up license at any time during the license term.
  3. For SPD0001, new users are provided eight worker-days of support within the first sixty days after delivery. For users upgrading from TOTAL 4H, two worker-days' support is provided to be used within the first sixty days after delivery. Additional support is available at the current worker-day rate plus travel and lodging. If the customer has a fully paid-up license for TOTAL 4H, customer may be eligible, in accordance with current policy, for an upgrade allowance which can be applied toward a fully paid-up license fee for TOTAL Central.
  4. For SPD0002, six worker-days' support to be utilized by customer within first sixty days. Additional support is available at the current worker-day rate plus travel and lodging.

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### **SERIES 200/2000 TOTAL INTERACTIVE QUERY LANGUAGE (IQL)** **LICENSE**

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**DESCRIPTION:** TOTAL IQL is a generalized software system that allows users at certain cathode ray tube terminals to extract information from a TOTAL Central data base using an English-like information retrieval language. The system consists of two major components:

1. The data directory module allows for assignment of security codes and additional reference names to the various data elements of the data base.
2. The information retrieval language is a free-form language allowing users to select, calculate, summarize, and report data stored in a TOTAL Central data base.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor
- o DATANET 2000 FNP
- o Series 7700 VIPs or 765-775-785 VIPs

**OPERATING SYSTEM:** OS/2000

**DOCUMENTATION:** Product Brief (AS64)

**SHIPPING MEDIUM:** (SPD0003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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**SERIES 2000 TRANSACTION PROCESSING      FDA**

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**DESCRIPTION:** This transaction processing capability provides control over transactions processed in an OS/2000 communications environment. It simplifies user entry into a transaction-oriented communications environment by controlling the loading of user-written transaction processing modules. Each module (or TPUR) (written in COBOL or Easycode) is loaded when a transaction requiring its services enters the system. TPURs are loaded one at a time based on transaction entry.

Series 2000 Transaction Processing provides extremely fast 8-bit roll/in, roll/out of user modules, can interface to

standard user-written I/O modules or to TOTAL data base. It optionally logs transactions, provides transaction "context" maintenance tables, and optional security checks on all transactions.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 200/2000 central processor
- o DATANET 2000 FNP or 286 Multiline Controller or 281 Single Line Controller
- o Card reader
- o Printer
- o Tape
- o Disk

**OPERATING SYSTEM:** OS/2000

**DOCUMENTATION:** Product Brief (AS07)  
User's Guide (AS52)

**SHIPPING MEDIUM:** Tape/disk (SPJ6001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

# **Section 4**

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**SERIES 400**

**SERIES 600/6000**

**SERIES 60 LEVEL 66**

SECTION 4  
LEVEL 66 AND SERIES 400/600/6000

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# Section 4

## SERIES 400

## SERIES 600/6000

## SERIES 60 LEVEL 66

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### ACCOUNTING AND REPORT GENERATION SYSTEM

HDA

**DESCRIPTION:** The Accounting and Report Generation System provides for the classification, summarization and recording of assets, liabilities, revenue, and expense transactions. The system follows general accounting concepts for analysis, control, journalization of transactions and subsequent creation of balance sheets, operating statements, general ledgers, subledgers, journals, journal summaries and trial balance reports. Complete sets of financial reports are prepared for individual locations, departments or divisions within a company as well as consolidated company reports.

Without reprogramming, the system can produce a wide variety of special/financial reports ranging from account analyses to business and operating expense statements. These reports can be prepared by a nonprogrammer simply by filling in parameter sheets.

The account number on each transaction entered into the system is validated. Two sets of budget figures are maintained for the current year and year-to-date. In addition, the master data base includes a total to date actual and budget to maintain figures for products that have a long build cycle and span accounting years.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 6000 with 24K words of memory
- o Two to seven tapes (depending on the users selection of using tape or disk for file processing)
- o Temporary disk

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AB52)

Functional Description (DA30)

Implementation Guide (DA34)

Sales presentation brochures and vugraph masters (available from Marketing Manager).

**SHIPPING MEDIUM:** Magnetic Tape (Source Program Library Tape) (available from Phoenix Library No. ASL600N2.001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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### ACCOUNTS PAYABLE SYSTEM

FDA

**DESCRIPTION:** This system was secured under terms of the Honeywell/General Electric licensing agreement. The application consists of two segments: Vendor Payment System and Invoice Approval System.

The Vendor Payment System produces accounts payable checks for approved invoices as they become due and prepares numerous reports to record accrual and payment of approved invoices. It provides reports necessary for control and analysis of amounts due to or from vendors and total of purchases from each vendor.

The Invoice Approval System requires interface with a user-built module if automated invoice approval is desired. Automated approval can be by-passed by manually approving invoices and then entering input to the system. Some modification is required by any company using this system.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 66 central processor with 36K words memory locations
- o Six tape units (files can also be placed on disk)
- o Disk (160 links) required for sorting
- o Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Operating Procedures Manual and flow charts provided with system when ordered. Sales Presentation packet together with vugraph masters available upon request from Marketing Manager, Financial Management Systems, Waltham, MA.

**SHIPPING MEDIUM:** Available from HLSUA Library, Phoenix

Vendor Payment System (GES1161)

Invoice Approval System (GES1162)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: No maintenance or installation support is provided.

---

### ACCOUNTS RECEIVABLE

#### SYSTEM – SERIES 400 (TAPE)

HDA

**DESCRIPTION:** The Accounts Receivable System reduces costs inherent in maintaining Accounts Receivable records at several locations by consolidating the different files into one computer oriented system. The program provides individual accounts receivable records, reports and journal entries necessary to determine financial trends individually at each of a number of locations. The system is adapted to a multilocation environment, but may be used quite efficiently for a single location operation. Vouchers and journal entries are processed within the system once a week. Reports are limited to those that are essential for analysis, control and management decisions, but fulfill the needs of any accounting organization.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 400 with 16,384 words of memory
- o Card reader
- o Card punch
- o Printer
- o Five magnetic tapes

**OPERATING SYSTEM:** MTPS

**PROGRAMMING LANGUAGE:** MAP

**SHIPPING MEDIUM:** Source Deck on Tape (A5505)  
Card Image Source Tape (ASL400) (R1001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

## FINANCIAL MANAGEMENT

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### ACCOUNTS RECEIVABLE SYSTEM F

FDA

**DESCRIPTION:** This application is an adaptation of Accounts Receivable F that was developed for Series 200/2000 and successfully installed in many accounts. The system operates in a multiclient environment and processes both balance-forward and open-item modes of accounts receivable. Ages up to six periods. Credit analysis report provides credit data on customer accounts. Operating reports are provided to support the accounting function and several reports such as the List Active Item File and the List Customer Master File are available to assist credit management. Features include:

- o Both open-item and balance-forward accounts receivable processing
- o Processing multiple notes receivable charges
- o Processing subsidiary account data within corporate and branch structures
- o Complete line of operating and credit oriented reports
- o Input verification and transaction control
- o Standardized transaction input
- o Maintenance of customer credit history information
- o Prompt payment discounts
- o Mailing codes for statements
- o Balance-forward with several optional methods

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 66 central processor with 24K words of memory (to execute largest program)
- o Disk storage with 424 links
- o Printer

#### OPERATING SYSTEM: GCOS

#### PROGRAMMING LANGUAGE: COBOL

**DOCUMENTATION:** Implementation Guide (AS95) Sales Presentation packet together with vugraph masters available upon request from Marketing Manager, Financial Management Systems, Waltham MA

**SHIPPING MEDIUM:** Master SAVE Tape (AEF6001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 24 months.

- NOTES:**
1. This program product is provided on an "as is" basis in source form. Paragraph D of the Supplement is not applicable.
  2. Upon completion of the 24-month period under the "24 month paid-up license" alternative, customer will have a fully paid-up license to use the program product.

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### COMPREHENSIVE PAYROLL SYSTEM - SERIES 400 (TAPE)

HDA

**DESCRIPTION:** This system processes payroll data of a widely dispersed organization of at least 1000 employees. The system provides tax calculations for 50 states and numerous local municipalities. It includes a very comprehensive master file, containing 215 fields per employee record. This permits great flexibility in reporting and processing personal information.

LEVEL 66 AND SERIES 400/600/6000

The system contains three phases:

- o Phase I - editing, batch balancing and master file updating
- o Phase II - primarily tax, gross pay and net pay, calculations
- o Phase III - basically generation of reports

Provision has also been made for computation of incentive wages.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 400 with 16,384 words of memory
- o Card reader
- o Printer
- o Five magnetic tape handlers

#### OPERATING SYSTEM: MTPS

#### PROGRAMMING LANGUAGE: MAP, RPG

**SHIPPING MEDIUM:** Source Deck on Tape (A5507) Card Image Source Tape (ASL400) (Q1003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS: NOTE:** This is an unsupported product.

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### EMPLOYEE DATA SYSTEM

REFERRAL

**DESCRIPTION:** The Series 6000 Employee Data System is a payroll and personnel information system and is designed to pay piecework, hourly, nonexempt, and exempt employees on a weekly basis. Absence and vacation information (eligibility, either taken, paid or remaining) are calculated and maintained by the system. The application retains and maintains gross pay by location for up to nine different state locations per employee, as well as calculates and retains state taxes with the reciprocal agreement for those states recorded. Cost of living rate changes can be made automatically via the rate table.

Absence and vacation eligibility and recording are performed, along with important decision-making, pay or no-pay routines. A weekly payroll audit and a year-to-date audit are provided.

The master file contains all year-to-date and month-to-date information plus personnel information (i.e., Social Security number, birth date, address, education, etc.) for each employee. Five job history areas are available for retention of job titles, rates, levels, and dates.

Absence information is retained on a 52-week cycle, with hourly absences being retained on a year-to-date basis. Absences paid or not paid are recorded. Vacation eligibility and vacation taken, paid, delayed, or deferred are recorded and maintained. Absence and vacation payment decisions are made based on elements recorded in the system.

Year-to-date dollars are maintained by state location. This information is used when reporting state taxes, unemployment insurance, FICA taxable, workmen's compensation and withholding tax. Up to nine different state locations and the associated dollars can be stored.

Up to eight semipermanent adjustments; i.e., garnishes, court orders and repayment of loans, are maintained and the proper deductions and updates are made during the weekly calculations run.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 6000 with 48K words of memory available for program use
- o Tape or disk with 300 links (for sequential processing)

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** User's Manual (provided with the system)

Brochure, providing overview information and vugraph masters suitable for customer presentation and containing very specific features matrix, available on request from: Marketing Manager, Financial Management Systems, Industry Marketing, Waltham, MA.

**SHIPPING MEDIUM:** Available from User's Library, Phoenix - Library No. GES1121.

The "ALLTAX" COBOL software package is normally used in this application. ALLTAX calculates all payroll withholding taxes for each state and city. If the customer desires to use the routines order ALLTAX from:

Management Information Service  
P.O. Box 336  
Ramsey, NJ 07446

Alternatively, the user may program individual tax routines.

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: No maintenance or installation support is provided.

**FINANCIAL INFORMATION AND CONTROL SYSTEM REFERRAL**

**DESCRIPTION:** The Financial Information and Control System allows a bank to select and incorporate its own philosophy of accounting and reporting.

The system provides control over an institution's financial books and reports information showing the financial position of a bank or holding company for decision making as well as to comply with regulatory requirements. The system reduces peak workloads at the close of each accounting period; produces information to analyze the profitability of each product and service provided by the bank; distributes overhead and service expense to profit centers, projects, and banking functions to assess profitability; provides various methods of transferring charges and credits between products or profit centers for funds provided and used; provides customer profitability measurement and compares the efficiency of managers to standards.

To meet the specific requirements of financial institutions the system is divided into four modules:

- o General Ledger Accounting Module
- o Budgeting and Planning Module
- o Responsibility Reporting Module
- o Profitability Accounting Module

The system produces various edit, and special purpose reports.

Developed for financial institution use, it is appropriate for unit banks, banks with statewide and limited radius branching, state and national banks as well as one-bank and multibank holding companies (with nonbanking as well as banking subsidiaries) and servicing of customers and correspondents.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 central processor

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Furnished with the system.

**SHIPPING MEDIUM:** System furnished by Management Science America, Inc.

**ORDERING PROCEDURE:** Contact:

Marketing Manager  
Financial Management Systems MS496  
Honeywell Information Systems Inc.  
200 Smith Street  
Waltham, MA 02154

**SPECIFIC PROVISIONS:** Price includes source programs, documentation, on-site demonstration and proof step running to ensure that the system is in good operating condition. One week user training and one year maintenance and warranty are included in the price.

**FINANCIAL PLANNING SYSTEM REFERRAL**

**DESCRIPTION:** This is a complete financial modeling system capable of handling the simplest to the most sophisticated corporate modeling situations. The system is not preprogrammed, thus accommodating any model the analyst desires. Complex financial consolidations, long-range strategic analysis, medium-term operations planning, and short-range budget analysis can be performed. The modeling system is designated with a modular structure that permits easy system expansion. Powerful capabilities allow input of all or selected parts of data files in user controllable formats. Consolidations can be made to an unlimited number of levels.

The Financial Planning Simulator enables the manager, in interactive mode to initiate "what if" questions to assess varying situations with an immediate response. These answers might show the impact of a proposed operational change in cash flow, income statement, balance sheet, product schedule, manpower schedule, or other aspects of the operation.

The movement of data between consolidation modules is easily controlled. A sophisticated report generator allows easy definition of report layouts. Modeling is a FORTRAN-compatible language with over 40 basic financial operations already defined for the user, e.g., return on investment, sinking fund, depreciation procedures, net present value. A Monte Carlo Simulation capability contains various probability distributions, e.g., normal, triangular, empirical. The simulator is written in FORTRAN and will interface with all FORTRAN software.

The system is useful in the areas of finance, marketing, operations, and administration. The applications of FPS are nearly unlimited; uses for this system can be found in all aspects of a company's operating organization where financial and accounting implications are of concern.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 central processing system with 64K words of memory

**OPERATING SYSTEM:** CGOS

**PROGRAMMING LANGUAGE:** COBOL

## FINANCIAL MANAGEMENT

### ORDERING PROCEDURE: Contact:

Marketing Manager  
Financial Management Systems MS496  
Honeywell Information Systems Inc.  
200 Smith Street  
Waltham, MA 02154

**SPECIFIC PROVISIONS:** Available in batch or time sharing versions, or on DATANETWORK.

---

### FIXED ASSET SYSTEM

### REFERRAL

**DESCRIPTION:** This system maintains complete and comprehensive records for all fixed assets in a company. It elects the depreciation method and tax regulation that optimizes cash flow and handles replacement cost accounting as required in notes to financial statements. Seven methods of depreciation are utilized: straight line; sum-of-years digits; declining balance →125% →STL; 150% →STL; 200% →STL; declining balance 200% SYD; straight percentage. Separate computations of book and tax depreciation are generated as required at either detail or summary levels. Book depreciation is automatically interfaced with a company's General Ledger system to facilitate the bookkeeping process.

The system provides projection capability for short-term budgeting or long-term planning and issues easy-to-follow reports at every processing stage. It revalues and summarizes asset inventory for insurance purposes and provides a variety of user-specified reports with an easy-to-use report generator. It also calculates gains and losses on asset retirement, including recapture under Sections 1245 and 1250.

The system allows a company to specify any valid combination of depreciation method and tax regulation, including the election to optimize both. It produces the following schedules:

- o 3468 Computation of Investment Credit
- o 4255 Tax from Recomputing a Prior Year Investment Credit
- o 4626 Computation of Minimum Tax
- o 4832 Class Life (ADR) System
- o 5006 Guideline Class Life System
- o 1120 U.S. Corporation Income Tax Return
- o Schedule G Depreciation
- o Schedule M-1 Book/Tax Reconciliation

This system is suitable for any company with a large number of fixed assets. If the company has been in existence for a number of years the system will completely audit and correct their existing records as well as maintain them accurately in the future.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 66 central processing system

### OPERATING SYSTEM: GCOS

### PROGRAMMING LANGUAGE: COBOL

**DOCUMENTATION:** Comprehensive documentation and source code provided.

### ORDERING PROCEDURE: Contact:

Marketing Manager  
Financial Management Systems MS496  
Honeywell Information Systems Inc.  
200 Smith Street  
Waltham, MA 02154

**SPECIFIC PROVISIONS:** Price includes maintenance for the first year plus five days of direct assistance on-site by the software house.

---

### FLEXIBLE ACCOUNTING CONTROL SYSTEM – SERIES 400 (TAPE)

### HDA

**DESCRIPTION:** The Flexible Accounting Control System (FACS) is an advanced computer accounting and reporting system that produces a wide variety of standard and special financial reports, reflecting your specific accounting needs.

FACS can reduce the time cycle between the monthly closing of a company's books and the availability of the essential financial reports for management use, in addition to providing savings in time and resources throughout a financial operation.

The user controls the record definition, record content, and report formats. Master files are established and updated from user-prepared parameter cards. A printed audit trail copy is produced at intervals from transactions and file maintenance. A report writer feature provides flexibility and selectivity in the required report data and formats.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 400 with 8192 words of memory
- o Card reader
- o Card punch
- o Five tape drives

### OPERATING SYSTEM: MTPS

### PROGRAMMING LANGUAGE: MAP

**SHIPPING MEDIUM:** Source Deck on Tape (A5504)  
Card Image Source Tape (ASL400) (Q1005)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS: NOTE:** This is an unsupported product.

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### GENERAL LEDGER SYSTEM FOR GENERAL BUSINESS

### REFERRAL

**DESCRIPTION:** Financial responsibility and profitability reports all use a common data base. This system provides the means to handle each company's unique account structuring requirements. All necessary data manipulation techniques are available. The user defines informational needs, which may vary for each subsidiary or company in the corporation. A company can implement one module at a time, assimilating as much of the system as the resources devoted to the project can effectively handle.

The system was designed for large corporations but it may be applied to the relatively straightforward accounting and reporting requirements of smaller operations. The system meets the diverse processing demands of service bureaus. Currency conversion features are included.

The system is divided in the following five subsystems:

- o General Ledger Accounting Subsystem
- o Budget Subsystem
- o Cost Allocation Subsystem
- o Responsibility Subsystem
- o Profitability Reporting Subsystem

Reports include:

- o Control Reports – control or monitor detailed data and information entering the system or retained in report format. The system provides 31 preprogrammed General Reports.

- o Custom Reports – provide flexibility in summarizing data and providing reports oriented toward the specific needs of management. Changes to existing reports can be made quickly through routine maintenance to data base linkage.  
Custom tailored management reports and consolidations may be used to test “what if” conditions before they actually occur. Programming maintenance is eliminated for existing reports and the waiting period for new reports is dramatically reduced, since no programming is required.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Supplied by vendor.

**SHIPPING MEDIUM:** System supplied by Management Science America, Inc.

**ORDERING PROCEDURE:** Contact:

Marketing Manager  
Financial Management Systems MS496  
Honeywell Information Systems Inc.  
200 Smith Street  
Waltham, MA 02154

**SPECIFIC PROVISIONS:** Price includes source programs, onsite demonstration and proof step running to ensure that the system is in good operating condition. One week user training and one year maintenance and warranty are included in the price.

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**GENERALIZED PAYROLL SYSTEM – SERIES 400 (TAPE) HDA**

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**DESCRIPTION:** This program contains ten modules that perform all the functions usually involved in processing payrolls. It is sufficiently generalized for Series 400 Users to implement with a minimum of modification. It handles hourly or salaried employees, paid on a weekly, biweekly, semimonthly, or monthly schedule. Punched cards provide the input media.

The system requires four runs from input to finished reports. Numerous options are included to calculate other earnings and miscellaneous deductions. The system listings, payroll registers, payroll checks and statements of earnings and deductions, a notification of deposit, payroll summary, 941-A reports, W-2 earnings reports, hours worked register and optional special reports.

The program can combine payrolls for a number of companies or the multiple departments or plants of one company into the same processing runs. It thus provides efficient operating for data processing service centers or banks that process payrolls for their customers.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 400 central processor with 16K words of memory
- o Card reader
- o Card punch
- o Printer
- o Five magnetic tape handlers

**OPERATING SYSTEM:** MTPS

**PROGRAMMING LANGUAGE:** MAP

**SHIPPING MEDIUM:** Source Deck on Tape (A5506)  
Card Image Source Tape (ASL400) (Q1001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

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**PAYROLL II SYSTEM REFERRAL**

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**DESCRIPTION:** The Payroll II System (PAY II) provides a payroll package that is custom generated for each user. With PAY II a user has the opportunity to input specific payroll, personnel, and management requirements and obtain in return a system responsive to those special needs.

PAY II allows the user to specify up to 99 earnings and deductions categories, as well as the calculation method and controls for each. A separate tax module, PHITAX, maintains tables for federal, state, and local authorities and performs tax calculations during the production run.

Personnel information includes such items as seniority lists, vacation accrual, insurance premiums, executive search, merit review schedules, United Fund contributions, and telephone directory lists.

In addition, PAY II can provide management with a meaningful analysis of labor costs by job. Both detailed and summary reports are available.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 600/6000 central processing system with 48K words of memory
- o Three or six magnetic tape units
- o Disk storage with 800 links

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**ORDERING PROCEDURE:** Contact:

Marketing Manager  
Financial Management Systems MS496  
Honeywell Information Systems Inc.  
200 Smith Street  
Waltham, MA 02154

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**RECEIVABLES MANAGEMENT SYSTEM REFERRAL**

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**DESCRIPTION:** The Receivables Management System is an open-item Accounts Receivable System for the requirements of trade receivables. It has been designed to make user interface easy, whether input transactions are prepared manually or generated from other computer systems. It provides comprehensive edit and history reporting with aging analysis based on terms of sale, and provides both period-ending and past due statements. It prepares a complete analysis of customer's payment and purchasing trends and reports the user's total credit exposure.

The Receivables Management System handles centralized and/or decentralized receivables administration and calculates the cost of administering a customer's account. The user's dating and discount terms and payment discount policy are used by the system. Flexible processing cycles may be used and lock-box capability is incorporated. Advanced cash application is new and is an optional feature. System process magnetic tape from a lock-box bank. Also automatically selects and keys off individual and multiple invoices being paid.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 6000/Level 66 with 48K words of memory available for program use
- o Disk storage (as required)

**DOCUMENTATION:** User's Manual

Sales brochure and vugraph masters available on request from:

- Marketing Manager
- Financial Management Systems
- Industry Marketing

**SHIPPING MEDIUM:** System furnished by A-T-O.

**ORDERING PROCEDURE:** Contact Marketing Manager.

**SPECIFIC PROVISIONS:** The purchase price includes installation support and an excellent user's manual. Manual forms (for preparing input) are supplied. Under the terms of the agreement, Honeywell will not be paid any fees, and no finder's fee will be paid to Honeywell Marketing Representatives.

Vendor will provide marketing assistance to Honeywell at a charge only for reasonable travel and living expense and only upon the request of Honeywell Financial Industry Marketing. There will be no other charges for service. All charges will be paid by the Branch making the request. Request for services may be directed to the Marketing Manager, Financial Management Systems, MS495.

**MANAGEMENT SCIENCE**

**A PROGRAMMING LANGUAGE/66  
(APL/66)**

**HDS**

**DESCRIPTION:** A Programming Language/66 (APL/66) is a translation of A Programming Language to the Series 60 Level 66 Honeywell General Comprehensive Operating Supervisor (GCOS) environment. APL/66 originated as a Mathematical notation for the discussion of the theory of algorithms.

APL/66 can be characterized as a line-at-a-time desk calculator with many sophisticated operators and a stored program capability. The user needs little or no prior acquaintance with digital computers to use it. After invoking APL/66, the user types an expression to be evaluated. The APL interpreter performs the calculations, prints the result, and awaits the new input line.

The APL/66 language uses its own specially designed character set, in which each operator is represented by a single character. The most convenient access to APL/66 is via an APL terminal with an APL/66 typing element. APL/66 is also usable from any ASCII terminal as well, although the user must be aware of the typing conventions used to represent some of the APL/66 characters within the framework of the available ASCII graphics.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 system configured and equipped for time sharing

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** Assembly

**DOCUMENTATION:** User's Guide (DD78)  
Product Brief (AT92)

**SHIPPING MEDIUM:** Per Save Tape (H6600H9.000)  
(SEL6008)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 36 months.

This program is provided on an "as is" basis in object code. Paragraph D of the Supplement is not applicable.

**AUTOMATIC SCHEDULING WITH TIMED  
RESOURCE ALLOCATION (ASTRA)**

**HDA**

**DESCRIPTION:** ASTRA is a multiproject resource allocation program dedicated to scheduling many projects using a common pool of resources which are available in limited quantities. Materials, machines, money, facilities, personnel and space are costly resources. Effective and economical use of these resources involves planning and scheduling work activities, as well as simultaneously allocating limited resources when and where required.

The following features are provided by ASTRA:

- o A multiproject resource allocation program can schedule simultaneously up to 50 projects.
- o Alphanumeric literals used for decoding control cards, for error diagnosis and for headers are input as data during the first production run, and therefore may be changed by the user or translated in any language.
- o The user selects processing chaining by means of control cards
- o Handles projects having up to 3500 activities and 2560 events
- o Can be used as a PERT-TIME program
- o For all the projects as a whole up to 100 resources may be accommodated
- o Each activity may require up to 10 resources
- o Irregular resource profiles can be developed
- o Two resources allocation algorithms are available
- o A great variety of reports is provided to the user:
  - Several sort keys and selection codes
  - Loading chart
  - GANTT chart

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 with 37K words of memory
- o Three tapes
- o Disk files
- o Card reader
- o Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** FORTRAN

**DOCUMENTATION:** ASTRA Resource Allocation Program (DB55)

ASTRA Sample Problem (DB34)

**SHIPPING MEDIUM:** Object Tape (H\*)  
Sample Problem Deck (AES0008)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

**AUTOMATIC SCHEDULING WITH TIMED  
RESOURCE ALLOCATION (ASTRA-II)**

**HDA**

**DESCRIPTION:** An extension of the ASTRA package, ASTRA-II incorporates all the features of ASTRA plus the following enhancements:

- o Processes 640 projects
- o Accommodates 250 resource types
- o Handles 1920 activities and events per project
- o Multiple start and finish
- o Time units include week, day, or part of day (hour)
- o Interface events between projects
- o Milestone control and reporting

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 with 37K words of memory
- o Card reader
- o Printer
- o Disk files

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** FORTRAN

**DOCUMENTATION:** ASTRA-II Resource Allocation Program (DE12)

**SHIPPING MEDIUM:** H\* Object tape (RSAVE)  
Sample Problem Deck (AES0013)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Class I - supported.

**BIOMEDICAL STATISTICAL PROGRAMS - BMD**

**HDA**

**DESCRIPTION:** BMD is a package of statistical programs that aid the researcher or statistician with the analysis of large volumes of data. The programs are general purpose, ready to be applied to special needs.

Five interrelated program packages are provided and may be run singly or in succession.

- o Description and tabulation routines
- o Multivariate analysis
- o Regression analysis
- o Time series analysis
- o Variance analysis

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 (Level 66)/6000 central processor (other equipment requirements by program)

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** FORTRAN and GMAP

**DOCUMENTATION:** Series 60 (Level 66)/6000 BMD Statistical Programs (BP82)  
BMD Biomedical Computer Programs (1973)  
Supplement (available from University of California Press, Los Angeles)

**SHIPPING MEDIUM:** Tape containing object R\*, IMCV file, and K\* (AES0021)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** NOTE: This is an unsupported product.

**CONCORDANCE GENERATOR PROGRAM**

**HDA**

**DESCRIPTION:** The Concordance Generator Program produces a concordance (an alphabetical list of all key words in a text and the immediate context in which they occur) of any text file. The primary application of the concordance generator is in preparing text files for publication using the Text Editor Runoff System. The program output is useful for analyzing content, form and style of text, and proofreading for misspelled words, typographical errors, and inconsistent usages. The program has the ability to locate specified words such as common misspelling of words or words of special interest. The program can also identify any word used that does

not occur in a dictionary file. The program can be used on files other than documentation text type files, for example, to prepare a symbol cross reference list of a computer language program (FORTRAN, APT, COBOL).

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 central processor with 17,000 words of memory
- o Printer
- o Disk files (50 links)
- o Input device (may be a card reader, tape, disk or front end communication processor and associated communication terminals)
- o Tape (required only for initial program implementation)
- o A non-EIS version is also included on the R\* tape for use on Series 600/6000

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** GMAP; FORTRAN

**DOCUMENTATION:** Functional Description (DB96)

**SHIPPING MEDIUM:** Binary Tape (R\*, \*\*, Dictionary) (AES0010)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** This is an unsupported product.

**GENERAL PURPOSE SIMULATOR SYSTEM (GPSS/66)**

**HDA**

**DESCRIPTION:** GPSS, an event-oriented, general-purpose simulation language, is a valuable aid in the analysis of system design and reduces the need for experimenting with costly prototypes or physical installations. By establishing mathematical models and furnishing simulation results for subsequent analysis, GPSS provides extremely fast solutions to a wide variety of business problems.

Any physical process that is already in operation, or under consideration, or envisioned by management, and that can be flow charted for modeling, can be converted readily for GPSS simulation by the use of a simply activity block diagram (illustration). A user of GPSS does not need previous experience in programming (the rules and practices are tailored to the experience and needs of the practical planner), but need only be familiar with the activity blocks, which are easily translated into a coded computer program.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 system with a minimum of 32K words (128K bytes) of main memory, plus GCOS operating system requirements

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** GMAP; FORTRAN

**DOCUMENTATION:** Reference Manual (DC34)  
Current Application Release Bulletin (issued with each new GPSS release)

**SHIPPING MEDIUM:** Binary Object Tape (R\*) (AES0005)  
Test Deck

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Class I - supported.

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**MATHEMATICAL PROGRAMMING SYSTEM (MPS)**

**HDA**

**DESCRIPTION:** MPS/66 is a modularized system for solving large-scale optimization problems such as mixing and blending, scheduling, resource allocation, and corporate modeling. MPS uses the techniques of linear programming, integer programming, separable programming, generalized upper bounds, postoptimal analysis, matrix generation, report writing, and data base maintenance. Only those modules required for a specific installation need to be obtained. The modules available are: Basic MPS System, Integer Programming Module, Generalized Upper Bound Module, Common File Management System. MPS has the following capabilities:

- o Allows extensive user control of solution progress including direct program access and calls to users own routines
- o Accepts input files prepared for the IBM MPS systems
- o Provides optimum solutions to large, complex problems involving many variables and numerous constraints
- o Allows for flexible and broadrange input/output and recycling
- o Allows for multiple problem solutions

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 with 32K words of slave memory
- o Input and output devices (may be Card reader, printer, tape, disk, front end communications processor and associated communication terminals)
- o Disk files (100 links)
- o Tape (required only for initial program implementation)

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** FORTRAN; GMAP

**DOCUMENTATION:** Implementation Guide (DD63)  
 Programming User's Guide (DD62)  
 Input/Output Manual (DD64)  
 CFMS Implementation Guide (DD67)  
 Agenda Control Language Reference Manual (DD60)

**SHIPPING MEDIUM:** Binary tape and test deck (\*\*RSAVE) (AES0003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Class I - supported.

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**PROJECT MANAGEMENT AND CONTROL SYSTEM (PMCS/66)**

**HDA**

**DESCRIPTION:** PMCS/66 is a state-of-art system which can be used for project management, scheduling, and control in industries such as construction, shipbuilding, public works projects, systems implementations, and other complex project design and development programs. PMCS/66 allows project planners and schedulers to develop and maintain project networks for continued analysis, maintenance, and updating of the project scheduling activities.

PMCS/66 incorporates networking and resource scheduling capabilities using either precedence charting (PCS) or activity-on-arrow (CPM, PERT) type network design.

PMCS/66 handles large networks, has extensive output reporting, and provides user flexibility in problem definition.

It includes:

- o PMCS/66 Network Processor – computes project schedules and provides for project progress reporting
- o PMCS/66 Resource Scheduler – computes revised project schedules based on resource constraints and availabilities (PMCS/66 Network Processor required)

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 6000/66 with 27K words slave memory
- o Card reader/printer
- o Disk drive (200 links – more for big networks)
- o Two tape drives
- o Terminals (optional)

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** FORTRAN

**DOCUMENTATION:** System Handbook (DD59)  
 Product Brief (DD58)

**SHIPPING MEDIUM:** R\* object tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.  
 Product Numbers AES0022 - Network Processor  
 AES0023 - Resource Scheduler

**SPECIFIC PROVISIONS:** Class I - supported.

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**SIMSCRIPT**

**HDA**

**DESCRIPTION:** SIMSCRIPT is an event-oriented simulation language of FORTRAN-like words, phrases, and symbols. It translates complex mathematical and logical models into meaningful simulation sequences. It permits you to view possible alternates in perspective, for decision purposes, without costly delays. SIMSCRIPT provides the following:

- o Flexible and easy-to-use simulation language
- o Methodology for an organized breakdown of problem into component parts - entities
- o Attributes and sets of entities
- o Comprehensive system of automatic set manipulation
- o Flexible and easily programmed report generator
- o Random number generation capability
- o Automatic internal timing routine

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 system with a minimum of 32K words (128K bytes) of main memory, plus GCOS operating system requirements

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** GMAP

**DOCUMENTATION:** Reference Manual (BP99)  
 Current Application Release Bulletin (issued with each new SIMSCRIPT release)

**SHIPPING MEDIUM:** Binary Object Tape (R\*)  
 Test Deck (AES0020)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Class I - supported.



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**SLAVE PROGRAM ACTIVITY** **UDA**  
**MONITOR (SPM)**

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**DESCRIPTION:** SPM is a monitoring tool for slave programs under GCOS. It monitors program operation and instruction frequency, and outputs efficiency information.

Three versions of SPM are available:

- o For Object form programs
- o For COBOL-68 programs
- o For FORTRAN programs

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 with 40K words of memory
- o Card reader
- o Printer
- o Disk files

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** FORTRAN; GMAP

**DOCUMENTATION:** User's Guide (DE26)

**SHIPPING MEDIUM:** Object Deck

AES6010 (Object)

AES6011 (COBOL)

AES6012 (FORTRAN)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** This is an unsupported product.

**ENGINEERING/TECHNICAL**

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**AUTOMATIC DYNAMIC ANALYZER (ADA)** **FDA**

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**DESCRIPTION:** ADA is a continuous simulation system that enables engineers to test dynamic systems, proposed product designs, and other physical phenomena at the early design stage. ADA is a problem-oriented differential equation solver and is easy and economical to use regardless of the size and complexity of the problem.

Approximately 35 simulation functions (routines) are available to compute the solutions to engineering design problems. Some of these functions are differential equation, polynomial, hysteresis, trapezoidal quadrature, and loop breaker.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 with 18K words of memory
- o Card reader
- o Printer
- o Disk file
- o Tape unit
- o Remote terminal

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** FORTRAN

**DOCUMENTATION:** System User's Guide (DC94)

**SHIPPING MEDIUM:** R\* Object Tape (AES6009)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** This is an unsupported product.

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**COORDINATE GEOMETRY (COGO)** **FDA**

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**DESCRIPTION:** The Coordinate Geometry (COGO) System is a civil engineering program designed for use in the solution of geometric problems. It fills the needs of the experienced civil engineer, the novice, and the engineering professor in classroom use.

COGO can be used in various coordinate geometry areas or for such engineering problems as:

- o Control, land, and right-of-way surveys
- o Highway and interchange design
- o Construction layout
- o Bridge geometry

The engineer must express his problem in terms of a series of COGO commands. These commands describe basic civil engineering operations. Next, the data values (i.e., coordinate, angles, distance) required by the commands are entered. The program then computes and solves for all unknowns in a step-by-step operation. Each command is performed in the order of entry. Values needed by other commands in the series can be saved by the user.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 system configured and equipped for time sharing

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** FORTRAN

**DOCUMENTATION:** Reference Manual (AH94)  
Product Brief (DC96)

**SHIPPING MEDIUM:** Magnetic Tape (2 files) (AES0012)

File 1 – COGO Programs (R\*)

File 2 – Sample Problem (Type 6ASC I)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** This is an unsupported product.

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**FLUID DYNAMICS SIMULATION** **ARI**

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**DESCRIPTION:** This program permits large-scale analysis of the steady state and transient fluid mechanical behavior of multitray counter flow exchange towers. The program is general in nature and well documented. It was developed for and used to analyze and predict the flow behavior in the first stage of a heavy water (deuterium oxide) production plant using the girdler-sulfide process. The simulation dynamically models the liquid and gas flows. Various tray geometries can be simulated with no programming changes. Tray-to-tray entrainment, liquid weeping, and foaming are included in the model.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 central processing system

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** FORTRAN IV

**DOCUMENTATION:** Modeling correlations and techniques, computer program structure, user manual

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 11 0322

**NUMERICALLY INTEGRATED ELEMENTS FOR SYSTEM ANALYSIS (NISA) REFERRAL**

**DESCRIPTION:** NISA is a user-oriented general purpose isoparametric finite element computer program for analyzing problems in static and dynamic analysis, heat transfer, torsion of prismatic shafts, seepage through porous media, consolidation, distribution of magnetic and electrical potentials, etc.

NISA is a rapid and easy-to-use method to solve engineering problems of any structure and type including: Nuclear reactors, plants, aerospace, shipbuilding, building design, automobile, pipelines, parts design, construction equipment, etc.

NISA features free-format input, extensive error checking, and user access through remote terminals or batch mode.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 with 40K words of memory
- o Printer
- o Card reader
- o Disk files

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** FORTRAN

**DOCUMENTATION:** Order from EMR Corp.

**SHIPPING MEDIUM:** Source and object tapes.

**ORDERING PROCEDURE:** Order from EMR Corp.

**SPECIFIC PROVISIONS:** Address all inquiries to:

Engineering Mechanics Research Corporation  
25900 Greenfield Road  
Suite 305  
Oak Park, Michigan 48237  
Telephone: (313)968-1606

**TIME SHARING APPLICATIONS LIBRARY HDA**

**DESCRIPTION:** The Series 60 (Level 66)/6000 Time Sharing Applications Library consists of a collection of programs and routines for use on the Series 60 (Level 66)/6000 time sharing subsystem.

The Time Sharing Applications programs cover many application areas, i.e., engineering calculations, basic mathematics, business, statistics, management science, and many others. The program library will be enlarged by periodic update releases. Update documentation will accompany each release.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 (Level 66)/6000 with 65,536 words of memory
- o Magnetic tape subsystem
- o Card reader (optional)
- o DATANET 355 FNP
- o Printer (optional)
- o Disk subsystem
- o "n" Time Sharing terminals

**NOTE:** To load the entire library on PERMFILE requires a minimum of 125 links of disk storage. The amount of storage assigned to the time sharing system determines the system's response. Under normal loads, the library programs compile and execute if the time sharing system is assigned 45K words or more.

**OPERATING SYSTEM:** Time Sharing Subsystem of GCOS.

**PROGRAMMING LANGUAGE:** BASIC; FORTRAN

**DOCUMENTATION:** Series 60 (Level 66)/6000 Time Sharing Application Library Guide  
Mathematics Vol. I (DA43)  
Statistics Vol. II (DA44)  
Industry Vol. III (DA45)  
Business Vol. IV (DA46)  
Product Brief (DB90)

**SHIPPING MEDIUM:** PERMSAVE Tape (AES0019)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Class I - supported.

**MANUFACTURING**

**AUTOMATICALLY PROGRAMMED TOOLS HDA**

**DESCRIPTION:** APT is the Honeywell application system that processes the APT (Automatically Programmed Tool) language. This language is defined by the American National Standards Institute and the International Standards Organization. APT is used to define the geometry of parts and the motion of a tool to produce a standard media suitable to be processed by a post-processor. After the post-processor transforms this media it produces a media suitable for controlling a numerical control machine tool that cuts the described parts. APT has the following capabilities:

- o Provides complete coded algorithms to interpret the APT language
- o Adheres closely to national and international standards
- o Increases productivity of manufacturing organization
- o Provides for U.S. conversion to metric

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 central processor with 37,000 words of memory
- o Card reader
- o Card punch (optional)
- o Printer
- o Eight files (disk, tapes, and/or drum)
- o Paper tape reader (optional)
- o Paper tape punch (optional)
- o Teleprinter (optional)

**NOTES:** 1. The system must have at least one of these three options to produce punched output for machine tools.  
2. Amount of storage is problem-dependent.

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** FORTRAN; GMAP

**DOCUMENTATION:** Input Translator Diagnostics (BQ48)  
Part Programming Pocket Guide (DA85)  
Paper Tape Demo Guide (DA51)  
Remote Demo Guide (DA96)  
IPOSTX (DB46)  
Part Program Dictionary (DA01)  
Part Program Encyclopedia (DA02)  
Paper Tape Subsystem User's Guide (DB30)

**SHIPPING MEDIUM:** One \*\* Tape (AES0001)  
One Card Deck

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**INVENTORY MANAGEMENT SYSTEM  
(IMS/66)**

**HDA**

**DESCRIPTION:** Honeywell Inventory Management System (IMS/66) is another element in Honeywell's communication oriented data base approach to its Factor concept of an integrated manufacturing information and control system. It utilizes an integrated data base, minimizes implementation problems, and adapts to user requirements quickly and at a low cost.

This comprehensive inventory management system plans, schedules, and controls the amount of materials required to satisfy customer demands and to optimize inventory investments. IMS/66 is usable in local or remote batch modes.

The system performs basic bill of materials functions, gross and net requirements determination, material requirements planning, cost implosion; handles automatic effectivity changes in product structures; performs dynamic ordering calculations, material releases, and expedite functions and feedback documents for material control. It also allows the user to perform inventory system simulations and generate statistical forecasts of material demands. Its design facilitates user implementation in phases.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 or Series 6000 with 80K memory
- o Card reader
- o Card punch
- o Printer
- o Disk
- o Tape handler

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL/I-D-S

**DOCUMENTATION:** General Brochure (AR48)  
System Handbook (DE80)  
Input/Output Manual (DE81)  
Summary Description (DB52)  
Product Brief (BK70)

**SHIPPING MEDIUM:** K\* Tape, R\* Tape, MRP forecasting (AMF0034)  
K\* Tape, R\* Tape forecasting (AFS0033)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**PRODUCTION SCHEDULING AND  
CONTROL (PSC/66)**

**HDA**

**DESCRIPTION:** The Production Scheduling and Control (PSC/66) package is a set of I-D-S COBOL written programs designed to schedule, load, release, and monitor the production in a shop environment, both on entire order and discrete operation levels.

The package offers the following capabilities:

- o Creation and maintenance of the production data base comprised of work centers and routings

- o Work-in-process scheduling and loading to infinite work center capacity
- o Production control reporting including advanced feedback features

The package is designed to stand alone or to be integrated, through user interfaces, with other Honeywell manufacturing packages, such as Series 60 (Level 66)/6000 Inventory Management System.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 with 80K words of memory
- o Disk devices
- o Card reader
- o Card punch (optional)
- o Printer
- o Tape handler

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL/I-D-S

**DOCUMENTATION:** Product Brief (DC67)  
General Brochure (DC85)  
Summary Description (DD79)  
System Handbook (AN32)

**SHIPPING MEDIUM:** K\* Tape, R\* Tape, Demo Deck (AEM0003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

RETAIL/WHOLESALE TRADE

**ONLINE ORDER  
PROCESSING SYSTEM**

**FDA**

**DESCRIPTION:** The Series 60 Level 66/6000 Online Order Processing System provides the capability of entering orders directly and updating the major files online. Originally designed for the drug distribution industry, the system has been used in other industries. The system elements are: order processing, inventory accounting, accounts receivable, accounts payable, and sales analysis.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 or Series 6000 EIS central processor with 128K words of memory
- o Five mass storage units and control (actual capacity depends on size of user's data base)
- o Two magnetic tape units (if journal file on tape)
- o Printer
- o Card reader
- o Front-end network processor
- o CRT or teleprinter-compatible terminals

**OPERATING SYSTEM:** GCOS Software Release 1/G or later

GRTS or NPS  
I-D-S/I  
TDS Release 1

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Brochure (AS96)  
System Handbook (AR49)

**SHIPPING MEDIUM:** Master Save Tape (AED0001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

## RETAIL/WHOLESALE TRADE / BANKING/FINANCE

**SPECIFIC PROVISIONS:** Minimum license term is 24 months.

- NOTES:**
1. This program product is provided on an "as is" basis in source form. Paragraph D of the supplement is not applicable.
  2. Upon completion of the 24 month period under the "24 month paid-up license" alternative, customer will obtain a fully paid-up license to use the program product.

### BANKING/FINANCE

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#### AGECS

#### ARI

**DESCRIPTION:** AGECS, a generalized communication system, is a transaction-driven system capable of handling over 20 input messages per second. Application programs can be written in any Series 6000 language and use standard I-D-S. Interface is with two standard subroutine calls.

GCOS is unmodified and the system works in multiprocessing and extended memory environments. A DATANET 355 Front-End Network Processor, operating under 16K GRTS, runs more than 300 terminals.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 6000 processor with 24K of memory
- o Disk (varies with volume)
- o DATANET 355 FNP with 16K
- o U-100 and DCT 1000 Terminals or equivalent (can be modified to support other terminals)

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** GMAP

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 41 0152

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#### AUTOMATED DEALER FLOOR PLAN REFERRAL

**DESCRIPTION:** The Automated Dealer Floor Plan establishes and maintains files and records for dealer wholesale installment loans by item, dealer, and bank. It provides any one of 500 different reduction plans, (i.e., any one of 100 plans within each of the five categories of new items, used items, demonstrator models, leased items, and an "other items" category).

Dealer statements printed by the system contain information such as interest due this cycle, and items and amount due this cycle and next cycle. A trial balance report lists every item by dealer and provides both summarized and detailed totals by dealer and by bank. The Automated Dealer Floor Plan is designed to be run daily, and reports can be generated on that basis or any other time cycle that the user requires.

The Automated Dealer Floor Plan automatically divides the daily balance totals by the number of days since the last statement to derive the average daily balance. It calculates and reports the interest due and automatically handles and reports delinquencies. Master files organization is indexed sequential.

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**ORDERING PROCEDURE:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**SPECIFIC PROVISIONS:** Referral Agreement: Florida Software Services

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#### BISNET

#### HDA

**DESCRIPTION:** The Bank Information System Network (BISNET) is an integrated data base providing a means of creating customer profiles plus other information relating to a customer within a bank or savings institution. This centralized processing allows the user to access a customer's different accounts, balances, transactions, addresses, and relationships with other bank customers.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 with 65,536 words of memory plus operating system requirements
- o Magnetic tape subsystem with four tape handlers
- o Disk storage for operating system and customer's data base plus expansion
- o Communication processor with adequate memory channels and buffers for the user's terminal requirements
- o Card reader (Available either on system or through a peripheral switch).
- o High speed printer
- o Card punch
- o Terminal subsystems to meet user's requirements

**OPERATING SYSTEM:** GCOS with Communication Processor

**PROGRAMMING LANGUAGE:** COBOL/I-D-S and ISP

**DOCUMENTATION:** Product Brief (AA88)

Functional Description (DD70)

Implementation Guide (DB47)

Administrators Guide (DD86)

Handbook (DD88)

**SHIPPING MEDIUM:** Source Language Tape (AEB6003)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months. Maximum months for Honeywell Financing paid-up license charge: 24 months

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#### BOND PORTFOLIO ANALYSIS

#### REFERRAL

**DESCRIPTION:** The Bond Portfolio Analysis system offers flexible pledging ability. Users can select from a variety of options for accrual of amortization, accretion, and interest, on any processing cycle desired. An entire bond lot or any portion can be pledged, with unlimited split pledging. Detailed pledge reporting is provided, including a file card containing all bond lot status information and detailed safekeeping receipts that show issue status, pledge status, and physical location (by both ID code and by name). The safekeeping capabilities are a standard feature of the package.

The pricing method used can employ a pricing service file on a daily, weekly, bimonthly, monthly, or quarterly basis and/or a user-created price file for federal agencies, municipal housing authorities, and general securities. Banks can individually select the reports desired. Reports can be generated on printed forms or on stock paper. Full CUSIP name and control capability is included in the system, as well as "no activity" reporting. Master file organization is indexed sequential.

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**ORDERING PROCEDURE:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**SPECIFIC PROVISIONS:** Referral Agreement: Florida Software Services

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**CERTIFICATES OF DEPOSIT III REFERRAL**

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**DESCRIPTION:** The Certificates of Deposit system can accommodate up to 10 classes of deposit certificates with control totals maintained by type, branch, or bank. Both a renewal period and a final maturity date can be specified in increments of months or days. Interest can be calculated by any one of five methods, and all accruals of interest are done on a daily basis. The system has been designed to follow the guidelines of Regulation Q by editing interest rates, minimum purchase value, and minimum and maximum certificate terms.

Individual Retirement Act (IRA) certificates reporting is an integral part of the system, including automatic reporting features. It incorporates the possibility of CD rates being tied to changes in the prime rate.

A new certificate can be added with as few as two cards, one of which requires only a single field punched. Key-to-tape or key-to-disk input is available without any programming changes. All year-end reporting is generated by the system, including regular 1099s, OID 1099s, and IRA reporting. Master files organization is indexed sequential fashion.

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**ORDERING PROCEDURE:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**SPECIFIC PROVISIONS:** Referral agreement: Florida Software Services

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**CHECS-CHECK HANDLING EXECUTIVE CONTROL SYSTEM HDA**

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**DESCRIPTION:** CHECS (AEB6004) consists of DES (AEB6001) and PTS (AEB6002) as separately defined in the software catalog. It is included here as a separate product to assist the user in ordering the correct software. When AEB6004 is ordered, the user will receive two release components from the software library; one containing AEB6001 (DES) and another containing AEB6002 (PTS).

**MINIMUM HARDWARE REQUIREMENTS:** See Document Entry Subsystem AEB6001 and Proof and Transit Subsystem AEB6002 for Hardware, Documentation, Shipping Medium, and Ordering Procedures

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**CHECS ONLINE BALANCING AND ITEM CORRECTION HDA**

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**DESCRIPTION:** The CHECS Online Balancing and Item Correction Program complements the Document Entry Subsystem and Proof and Transit Subsystem. CHECS

Online Balancing and Item Correction is designed to replace the Offline Balancing Program in the CHECS Proof and Transit Subsystem. It performs the functions of Offline Balancing (processing demands, writing indexes and total records) and allows the reconcilers to balance blocks and correct rejects online through VIP7700 terminals.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 with 65,536 words of memory plus operating system requirements (131K if running concurrently with DES)
- o Disk storage, adequate for operating system and user data files
- o Card reader
- o Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Handbook (DE30)

**SHIPPING MEDIUM:** Source Language Tape (AEB6005)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months. Maximum months for Honeywell paid-up license charge is 24 months.

CHECS Online Balancing and Item Correction will only operate with Release #2 of AEB6002 CHECS Proof and Transit Subsystem and the VIP 7700.

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**CHECS PROOF AND TRANSIT SUBSYSTEM HDA**

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**DESCRIPTION:** Working in conjunction with the Document Entry Subsystem, the CHECS Proof and Transit Subsystem offers high speed, sophisticated and complete Proof of Deposit, and/or Proof and Transit processing capabilities to meet the needs of the largest banks. Up to nine high speed sorters can be operated and controlled simultaneously on one system. Some of the many features of this system include:

- o Positive dollar and audit control
- o Multibank operation
- o Automatic recovery/restart procedures
- o Pass-to-pass image comparison
- o On-line balancing and item correction
- o Four-level run control
- o Automatic cash item list and letter generation
- o Complete performance statistic and management reports
- o Sophisticated item reject analysis

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 with 65,536 words of memory plus operating system requirements (131K if running concurrently with DES)
- o Disk storage, adequate for operating system and user data files
- o Card reader
- o Printer

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Application Brief (AM64)  
Application Summary (AM65)  
Handbook (DE30)

## BANKING/FINANCE

**SHIPPING MEDIUM:** Source Language Tape (AEB6002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months. Maximum months for Honeywell Financing paid-up license charge: 24 months.

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### COMMERCIAL LOAN SYSTEM

### REFERRAL

**DESCRIPTION:** The Commercial Loan System handles standard commercial loans and revolving credit, line-of-credit, partial advance on commitments, commercial paper, Small Business Administration, trust receipts, warehouse, and student loans. It offers demand, time, term, or installment note types; simple, straight-line, or 78s interest calculation; 30-day or actual-day months; 360- or 365-day accruals; flexible payment types; and fixed, periodic, or variable payment schedules.

Billing notices, interest rate change notices, and audit confirmation notices are provided for loan customers. For corporate accounts, a notice of financial statements due is also available. The system provides automatic delinquency processing. Notices are sent automatically 30, 60, and 90 days after the due date, and on any of three other user-selected cycles. The user can also specify late fees and rebates for each type of note.

The number of participations placed against a note and the number of collateral items that can secure one or more notes are virtually unlimited (up to 999 per note). A commercial loan customer can have contingent liability across many notes, including those from another bank or branch.

Individual notes can be tied to a prime rate. In this system there are up to 99 available prime rates to be chosen. Floor and ceiling interest rates are also available by type. Master file organization is indexed sequential.

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**ORDERING PROCEDURE:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**SPECIFIC PROVISIONS:** Referral Agreement: Florida Software Services

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### CORPORATE TRUST SYSTEM

### REFERRAL

**DESCRIPTION:** The Corporate Trust System allows the user to process on an "as required" basis. All updating and reporting is accomplished with one processing cycle. It handles complete cash dividend, register processing, proxy issuance, and tabulation. Stock dividend and stock split processing is handled with optional fraction transactions, buy/sell options, and fractional checks.

The Corporate Trust System computes the amounts of stock dividends, prints the checks and envelopes, and generates a report with complete information for every check issued. It handles the entire proxy cycle, and prints proxies with up to nine voting options, addresses them, tabulated the returns, and prints the complete results. It also computes the additional shares and prints the checks for stock and dividend splits.

Four forms per account are necessary for handling conversion to the system. Special conversion reports are generated to check all information for accuracy. The user can offer to process the system with the same features for up to 98 other banks, with up to 998 corporations per bank.

The Corporate Trust System offers batch-controlled processing and is capable of handling multiple batches each day. It examines all punched cards for valid entries and rejects any with invalid data. New accounts are rejected only where errors exist in bank/company or account numbers. All other invalid or omitted data is "filled in" by the system. Master file organization is indexed sequential.

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**ORDERING PROCEDURE:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**SPECIFIC PROVISIONS:** Referral Agreement: Florida Software Services

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### DEMAND DEPOSIT ACCOUNTING

### REFERRAL

**DESCRIPTION:** This flexible DDA System controls records for up to 99 banks and up to 999 branches, allowing individual units to select processing features to best fit their needs. Options include MICR or punched card data entry, transaction codes, criteria for releasing stop payments, check-digit routines, service charge routines and calculations, account number formats, NSF and overdraft handling and notice amounts, statement cycles, printing of management reports, choice of dormant days, and automatic assignment of debit and credit codes if missing from MICR transactions. Automatic check credit is controlled by bank or branch.

A daily trial balance report reflects all transactions posted daily. Two-up statements are printed from a work file and need no collating. A current, complete statement can be printed in minutes on a request basis. Master files organization is indexed sequential.

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**ORDERING PROCEDURE:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**SPECIFIC PROVISIONS:** Referral agreement: Florida Software Services

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### DOCUMENT ENTRY SUBSYSTEM

### HDA

**DESCRIPTION:** The Document Entry Subsystem is a major component in the CHECS document processing system. It can be used as a simple stand-alone document capture system or with the Proof and Transit Subsystem to do full Proof of Deposit and/or proof and transit check processing.

The Document Entry Subsystem supports a number of document handlers including the MRS200, DRD200, DHU1600, DHU0803, and DHU0814. Up to nine devices

may be operated simultaneously using multiple document handler processors. In addition to the MICR fonts E 13 B and COC-5, the Document Entry System supports OMR and numerous OCR fonts including OCR-A and OCR-B. More than one font is supported simultaneously when the document handler offers that capability. The Document Entry Subsystem operates in the multiprocessing, multi-programming environment of the Series 60 Level 66/ Series 6000.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 with 65,536 words of memory plus operating system requirements
- o Magnetic tape subsystem with two tape units
- o Disk storage adequate for operating system and storage of user's captured data
- o Document Handler Processor with 32K memory and necessary reader/sorter adapters
- o Reader/sorter required to perform user's requirements
- o Card reader - available on system or through peripheral switch

**OPERATING SYSTEM: GCOS**

**PROGRAMMING LANGUAGE: GMAP; COBOL**

**DOCUMENTATION:** Application Brief (AM64), (AA90) Application Summary (AM65) Implementation Guide (DA93) Reference Manual (DD93) DHU1600 Product Brief (AP58) DHU1600 Operator Manual (AD55) DHU0800 Product Brief (AP50) DHP0700 Product Brief (AP27) DHP0701 Product Brief (DE36)

**SHIPPING MEDIUM:** Source Program Tape (AEB6001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months. Maximum months for Honeywell Financing paid-up license charge: 24 months.

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**FINANCIAL INFORMATION CONTROL SYSTEM (FICS) REFERRAL**

**DESCRIPTION:** This application provides control over books and reports information showing the financial position of a bank or holding company. It reduces peak workloads at the close of each accounting period and produces information for analyzing the profitability of each product and service provided by a bank or holding company. It distributes overhead and service expenses to assess profitability; provides various methods of transferring charges and credits between products or profit centers for funds provided and used; provides customer profitability measurement; and compares the efficiency of personnel to standards.

The Financial Information and Control System is composed of four modules: general ledger accounting, budgeting and planning, responsibility reporting, and profitability accounting. This modularity enables users to implement modules as time and resources permit.

The user can select 7 accounting control reports from 19 generally accepted formats and can specify the level of summarization, sequences of data, and totaling instructions. The custom reporting feature allows managers to select comparative data, indicate options, and specify

calculations and exception parameter options. Custom-tailored reports are often used to test "what-if" conditions before they actually occur.

**OPERATING SYSTEM: GCOS**

**PROGRAMMING LANGUAGE: COBOL-74**

**DOCUMENTATION:** Contact: FMS Marketing Manager MS496, Waltham, MA 02154

**ORDERING PROCEDURE:** Contact: FMS Marketing Manager MS496, Waltham, MA 02154

**SPECIFIC PROVISIONS:** Referral Agreement: Management Science America

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**FUNDS HDA**

**DESCRIPTION:** FUNDS is a total online banking system for savings institutions and commercial banks. Built around TDS (Transaction Driven System) and IDS (Integrated Data Storage), it provides online transaction processing file updating, and operational control. Extensive offline reporting is included to provide the complete system.

FUNDS is available in modules to meet the various banking application requirements. It is a multibank, multibranch, table-driven system which can be conditioned by selection of user options to meet most user requirements.

Modules available provide for central information file processing of customer data and account specific data; savings accounting, loan accounting, general ledger accounting, and system administration and control functions.

Consult future supplements to this catalog for further details.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66/6000 processor with 196K words of memory
- o Disk storage units
- o One or more tape units
- o DATANET front-end processor

**OPERATING SYSTEM: GCOS**

**PROGRAMMING LANGUAGE: COBOL**

**DOCUMENTATION:** "FUNDS" Boston Five Brochure (AX05)

Implementation Documentation (in development)

**SHIPPING MEDIUM:** To be announced.

**ORDERING PROCEDURE:** Contact: Banking Marketing Manager MS496, Waltham, MA 02154

**SPECIFIC PROVISIONS:** Transaction Driven System (TDS) SFS6001 is a prerequisite.

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**INSTALLMENT LOAN SYSTEM REFERRAL**

**DESCRIPTION:** The Installment Loan System provides installment loan accounting by account, loan type, branch, and bank. It is designed to run daily, and includes automatic late notices, late charges, debit memos to demand deposit accounts, delinquency collection notices, and daily interest accrual. Current and next payoff amounts are shown on the trial balance along with up to four rebate or accrual amounts. Multiple payment schedules, partial payments, extension fees, balloon payments, and acquisition fees can be accommodated. A

## BANKING/FINANCE

complete loan history is carried, with provision for up to nine endorsers, the first of which can receive a late notice copy.

Input can be from MICR-encoded documents or punched cards. Only two account forms are required to enter all the loan information for each account during conversion. One input form is required to add a loan type, a new branch, or a bank; and a single transaction form can handle all payment transactions. Coupon books, file cards, account history, and name and address labels can be produced automatically or upon request.

Three formerly optional modules are integrated with the system. The Simple Interest Module accommodates simple interest paid with the payment or advance. Coupon books or monthly billings can be used. The Dealer Statement Module keeps track of outstanding or unearned dealer reserves, with monthly printing of transaction history. Prospect cards are issued three months prior to loan maturity to provide sales leads. The Charge-Off Module keeps track of charged-off or repossessed loans with a daily journal and monthly summary. Master file organization is indexed sequential.

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**ORDERING PROCEDURE:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**SPECIFIC PROVISIONS:** Referral Agreement: Florida Software Services

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### LILA

### REFERRAL

**DESCRIPTION:** Life Insurance Logistics Automated (LILA) is an application package that performs the essential business functions of small/medium life insurance companies. A flexible systems approach and the versatility of Honeywell equipment enable an insurance company to effectively maintain its present business and to expand for future growth and needs. The basis of LILA is a consolidated master policy record, used for administrative, billing, dividend, commission, loan and valuation functions.

Features of the system are:

- o Tape/disk processing in a modest environment
- o Extensive information for business administration
- o Simplicity and flexibility for ease of implementation and control
- o Extensive editing for file accuracy
- o A base system and production subsystems (New business, general ledger accounting, billing, commission, dividend, loan, automatic premium loan, automatic changes, miscellaneous income reporting, lapse and persistency, federal income tax, actuarial library support, asset share model office, cash release, year-end support, GAAP accounting)

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 600/6000 central processor with a minimum of 32,768 characters of memory
- o Advanced programming and editing instruction features
- o Card punch
- o Card reader

- o 132-position printer
- o Five magnetic tapes or four tapes/one disk

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** The following are supplied only to licensed customers who have completed training requirements

Basic System, Volume 1  
Basic System Submodules, Volume 2  
Production Subsystems, Volume 3  
Coding Manual, Volume 4  
Supplemental Information, Volume 5

**SHIPPING MEDIUM:** Binary Run Tape and Master Source Program Library Tape (supplied to licensed customers only).

**ORDERING PROCEDURE:** Contact Insurance Marketing Manager, MS496, Waltham, MA 02154

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### MICROMATION MANAGEMENT SYSTEM

### ARI

**DESCRIPTION:** The Micromation Management System uses system standard print files to create a tape for film or fiche creation on Datagraphix 4500 offline computer microfilmer. Control card directives provide for indexing, fiche breaks, titles, etc.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 6000 processor with 15K of memory
- o Tape (9-track)
- o Datagraphix 4500 Communications Processor

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** GMAP

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 41 0151

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### MORTGAGE LOAN I SYSTEM

### REFERRAL

**DESCRIPTION:** Mortgage Loan I is designed to process both bank-owned and bank-serviced mortgage loans. It offers up to 15 loan types, including conventional, FHA, VA, agricultural, construction, and subsidized at the option of the user. Mortgage Loan I can handle automatic charging of payments against checking or savings accounts, variable payment plans, and flexible late notice and late charge arrangements. Up to four billing cycles per month and up to 999 participations per loan can be handled, with different rates on each if desired. Up to seven escrow accounts can be maintained for each loan, any of which can be used for taxes. Escrow overdrafts with bank-specified maximum amounts are permitted.

The trial balance can be printed in any sequence by branch, loan type, officer, and short name. Monthly reports can be in any sequence by loan type, officer, interest rate, and property type. The system includes the Amortization Schedule program. Master file organization is indexed sequential.

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154



**ORDERING PROCEDURE:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**SPECIFIC PROVISIONS:** Referral Agreement: Florida Software Services

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**MORTGAGE LOAN EXTENDED SYSTEM REFERRAL**

**DESCRIPTION:** The Mortgage Loan Extended System incorporates the basic features of Mortgage Loan I, including loan types, interest calculations, and unlimited escrow handling, plus additional features.

The Extended system handles reporting to the Federal National Mortgage Association (FNMA) and Governmental National Mortgage Association (GNMA). It is geared particularly toward single-debit accounting and reporting to the Aggregate Exception System (AES). The system conforms to these requirements and provides the reporting necessary for their extensive informational needs while printing the data in the required standard format.

The Extended version also provides escrow interest calculation. This optional module permits the application of interest to the principal or to the escrow account. Master file organization is indexed sequential.

**ORDERING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**ORDERING PROCEDURE:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**SPECIFIC PROVISIONS:** Referral Agreement: Florida Software Services

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**PERSONAL TRUST SYSTEM REFERRAL**

**DESCRIPTION:** The Personal Trust System provides accounting for all investments and cash-in through nine account types and ten asset types. The system runs daily and uses eight permanent files. Separate records are maintained for each bank's balances, security numbers, general ledger account control codes, and other processing options. A record of every asset and a complete history of transactions are maintained for each account. Investment disbursements can be handled by the lot, FIFO, or LIFO. Security pricing is achieved by an interface with Standard and Poor's pricing tape. Maintenance and monetary transactions are edited and applied separately, and the system offers a unique transaction code system for quick handling of monetary transaction entries.

Monthly reports include asset pricing updates and worksheets, review statements, fees paid and due, tax worksheets, and schedules of capital gains and losses. In addition, broker reports and called and matured securities are listed. Tickler memos are printed at the end of each month. Periodic and year-end reports include asset inventory, asset by where held, and asset by account holder.

All the information needed for the comptroller's report is in the system. It can be printed in its entirety in a few minutes. Another feature is the automatic handling and posting of recurring transactions. Although conversion of any personal trust system is a difficult task, this Personal

Trust System requires the transfer of balances only once as the final step in conversion. The system cannot be installed out of balance. Master file organization is indexed sequential.

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**ORDERING PROCEDURE:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**SPECIFIC PROVISIONS:** Referral Agreement: Florida Software Services

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**SAVINGS SYSTEM II REFERRAL**

**DESCRIPTION:** The Savings System II can handle savings accounts of various type, including regular passbook or statement savings, club savings, and 90-day notice passbook accounts. The minimum interest to be paid and/or the minimum balance on which interest will be paid can be specified by branch or bank. Effective data posting allows transaction backdating and automatic interest adjustment, both regular and within a statement period, with the option of retroactive effect. Service charges and check digit routines can vary by type of savings plan, and up to 99 pledges and teller holds per account are handled.

Interest can be paid automatically by check, capitalized, or automatically deposited to another account. Funds available in other accounts can be transferred automatically to a savings account. A separate name and address file and universal number enable expansion of processing possibilities in the future. Reporting includes an accumulated trial balance by savings type and institution, and incorporate indications of inactivity. Master file organization is indexed sequential.

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**ORDERING PROCEDURE:** Contact: Banking and Finance Marketing Manager MS496, Waltham, MA 02154

**SPECIFIC PROVISIONS:** Referral Agreement: Florida Software Services

**EDUCATION**

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**ADMINISTRATIVE GUIDE ARI**

**DESCRIPTION:** This Manual will assist a school administrator in the construction of the Master Schedule. Contains: Responsibilities of the timetable for school administrators; preplanning; articulation; explanation of output reports for Phase I; detail explanation of preliminary analysis of the scheduling process; description of the preliminary steps in building a master schedule; explanation of balancing; assignment of teachers; detail explanation of output reports of Phase II; master schedule simulation; logical sequential system of the manual construction of a master schedule; alternate approaches to scheduling problems; sample master program with examples.

## EDUCATION

**ORDERING PROCEDURE:** Order from ARI, 151 Needham St., Newton, MA 02161, enclosing check for \$4.80

**I.D. NUMBER:** 9 71 0351

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### IMI/66 INDIVIDUALIZED MATHEMATICS INSTRUCTION

HDA

**DESCRIPTION:** The IMI/66 system is a set of programs which can be used in two ways: as an arithmetic test generator and as individualized arithmetic drill and practice problems at a teleprinter terminal.

As an Arithmetic Test Generator, this program provides individualized instruction covering the basic skills of arithmetic and operates in an interactive mode which enables one computer terminal to service an entire school. The system generates entire drills and tests for each student as directed by the instructor. The exercises consist of any combination or number of problems from 210 learning objectives.

As an Individualized Mathematics Program, this program provides students with drill and practice exercises while at the computer terminal. Each student interacts with the system. Problems are presented, and the student is expected to enter the answer after each problem. The program then compares the student responses with the correct answers and provides a summary report of student performances at the end of the drill period. In addition class or individual reports are provided for the instructor.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 600/6000 or Series Level 66 central processor
- o Front-end processor compatible with the Time-Sharing Subsystem
- o Disk drive
  - User Library contains source and object files, requiring 250 links

**OPERATING SYSTEM:** GCOS Release 2H and 3I

**PROGRAMMING LANGUAGE:** FORTRAN

**DOCUMENTATION:** User's Guide (DF30)

**SHIPPING MEDIUM:** USERSAVE Tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Available for purchase only.

**NOTE:** Scheduled for release 1Q/77

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### SCRIBE/66 GRADE REPORTING AND ATTENDANCE ACCOUNTING

HDA

**DESCRIPTION:** The SCRIBE/66 Grade Reporting and Attendance Accounting System assists secondary schools in preparing, maintaining, reporting and analyzing attendance and grade information. The system produces reports on average daily attendance and membership statistics, plus optional user selected and defined reports covering student irregular attendance patterns, cumulative attendance data for each student, and a special tabulation report of attendance by sex, grade, and age. The grading data produced by the system, in addition to the report card, includes a variety of optional reports such as class grading lists, honor deficiency, DPA, and user selected exception reports, class ranks and mark analysis.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 600/6000 or Series 60 Level 66 central processor with user memory partition of 32K (32,768) words; an EIS processor is not required
- o Two disk drives (second recommended for efficiency)
  - User Library to contain source and object programs, sample JCL, sample (card image) data input, plus files for a school of 1000 students
- o Card reader
- o Line printer (132 positions)
- o Tape drive required to initially load the system and recommended for offline backup and storage

**OPERATING SYSTEM:** GCOS at Release 2H and 3I

**PROGRAMMING LANGUAGE:** COBOL; GMAP

**DOCUMENTATION:** Product Brief (TBD)  
Summary Description (AJ71)

Series 60 Level 66 Handbook (via Industry Mktg)

**SHIPPING MEDIUM:** USERSAVE Tape (AEE6002)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

**NOTE:** Scheduled for release 1Q/77.

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### SCRIBE/66 SCHEDULING

HDA

**DESCRIPTION:** The SCRIBE/66 Scheduling System is designed to assist both traditional and modular schools in scheduling students. The system will handle:

- o Partial and selective scheduling
- o Study hall assignment
- o Flexible school year, cycle, and day definitions
- o A variety of school and administrative options
- o Late registrations and program changes

It produces comprehensive and descriptive reports for administrative decision making and control purposes.

This system processes up to 48 course requests per student, and schedules up to 99 modules per day with up to 12 days per scheduling cycle and up to 6 terms per year. It accommodates complex conditions of alternate course elections, provides multiple control criteria on a school or individual student basis, and provides controls to alleviate mini-course assignment problems and intricate class linkage conditions.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 600/6000 or Series 60 Level 66 central processor with a user memory partition of 40K (40,960) words; an EIS processor is not required
- o Two disk drives (second recommended for efficiency)
  - User Library to contain source and object programs, sample JCL, sample (card image) data input, plus files for a school of 1000 students, requires approximately 10,000 blocks (3,200,000 words)
  - User Library size may be reduced by about 4500 blocks by retaining source programs offline
- o Card reader
- o Line printer (132 positions)
- o Card punch (Optional for program SPS800 - ARENA series)
- o Tape drive required to initially load the system, and recommended for offline backup and storage

**OPERATING SYSTEM:** GCOS at Release 2H and 3I

**PROGRAMMING LANGUAGE:** COBOL; GMAP

**DOCUMENTATION:** Product Brief (TBD)  
Summary Description (AJ71)

Administrator's Guide (via Industry Mktg)  
Series 60 (Level 66) Handbook (via Industry Mktg)

**SHIPPING MEDIUM:** USERSAVE Tape (AEE6001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

## MEDICAL

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### HCSS/66/PAC PATIENT ACCOUNTING HDA

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**DESCRIPTION:** HCSS/66/PAC, the patient accounting subsystem, accumulates all the information about a patient in a record created on admission. The patient can enter the hospital as an inpatient or as a regular or recurring outpatient. Appropriate information is also gathered and processed for newborns, preadmission and reinstated accounts.

Automatic room and board charges and all other ancillary services are automatically priced and applied to the patient's account, as are payments and adjustments. As a result, this comprehensive base of information is available to produce and control the census reporting, billing, and accounts receivable functions, as well as to generate revenue information for the general ledger.

HCSS/66/PAC functions include:

- o Comprehensive transaction editing and coding control
- o Online data entry and inquiry
- o Real-time census control
- o Automatic pricing and charge posting
- o Charges reestablished under new financial class after patient discharge
- o Newborn processing associated with mother's account
- o Processing of recurring outpatients
- o Complete generation of general ledger information
- o Income and volume analysis
- o Accounts receivable processing and control
- o Religion reporting by denomination and parish
- o Patient history file maintenance

HCSS/66/PAC features include:

- o Reports prescheduled for automatic production on due dates
- o Individual fields separately updatable
- o Technical and lay descriptions of all services
- o Previous account number, admission and discharge dates available for audit trail
- o System-supplied account numbers

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 or Series 6000 central processing system with 128K words (512K bytes) of memory
- o Mass storage subsystem
- o Card reader
- o Printer
- o Magnetic tape subsystem
- o DATANET 6600 or DATANET 355 front-end network processor

**OPERATING SYSTEM:** GCOS. Also required:

- o COBOL compiler
- o Integrated Data Store (I-D-S)
- o Time Sharing System
- o I-D-S Data Query
- o Network Processing Supervisor (NPS)
- o Management Data Query System (MDQS) – optional

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Product Brief (AT68)

**SHIPPING MEDIUM:** Tapes (AEH6001)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Available 1Q77 on a fully paid-up license. 24 month financing is also applicable.

## MISCELLANEOUS

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### ACCOUNTS PAYABLE ARI

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**DESCRIPTION:** The Accounts Payable System is designed to give the user more control over payables and ease the pressure of month-end journal preparation.

Benefits of the system include:

- o Control over expense checks and cash advances
- o Identification of "major vendors" through a variety of vendor reports
- o Identification of the payables commitment for the next twelve weeks

Major system features include:

- o The system edits all data before posting. If the client is using the Financial Reporting System (FRS), account numbers and cost centers (departments) may be validated against the FRS files.
- o The system interfaces with the Financial Reporting System by passing journal entries to FRS for all items distributed during the month
- o Year-to-date balances are maintained for all vendors.

Output reports include: accounts payable checks, check register, open item reports, used and unused distribution reports, vendor listings, vendor analysis reports, and vendor labels.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 central processing system

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Programming Guide and User's Guide

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Additional terms negotiable, site discounts available.

**I.D. NUMBER:** 6 76 0273

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### FINANCIAL REPORTING ARI

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**DESCRIPTION:** The Financial Reporting System (FRS) reduces the time required to close the books at the end of the accounting month through interfaces with other automated systems, complete editing of journal entries

## MISCELLANEOUS / SYSTEM SOFTWARE

when they are entered, and extensive reporting capabilities which may be tailored to the client's environment.

Highlights of the system include:

- o Wide flexibility in defining the client's chart of accounts
- o Capability to generate balance sheets and profit/loss statements by plants within a division
- o Automatic input of journal entries from accounts payable and payroll
- o Capability to model actual and budget data through the system during live processing

Output reports include:

- o Batch balance listing of all input
- o General ledgers
- o Subsidiary ledgers
- o Detail profit and loss
- o Detail balance sheets
- o Summary profit and loss
- o Summary balance sheets
- o Five cost performance reports tailored to client environment

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 66 central processing system

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Programmers Guide and User's Guide

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Additional terms negotiable, site discounts available.

**I.D. NUMBER:** 6 76 0272

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## PAYROLL SYSTEM

ARI

**DESCRIPTION:** This comprehensive payroll system is a complete payroll package capable of relieving problems in processing a salary or hourly payroll. The system has been applied to a range of payroll requirements from executive salary payrolls to hourly payrolls for manufacturing facilities.

Features include:

- o The system produces all quarterly and yearly reports necessary to meet federal, state, and local regulations, including W-2s and 941s.
- o Taxes may be taken and reported for an unlimited number of taxing authorities.
- o Federal and state taxes are updated automatically via the ALLTAX module and local taxes are easily incorporated.
- o The system will process weekly, biweekly, semi-monthly, monthly, and on-request payrolls for hourly-direct, hourly-indirect, nonexempt and exempt employees.
- o Supplemental payrolls (e.g., bonus pay, vacation pay) are available.
- o Special considerations may be given to tax calculations to avoid overcalculations of taxes.
- o The system performs all data validation when data is entered into the system through the edit cycle. The edit cycle may be run as many times as necessary to "clean up" data before updating the payroll files.

- o Interface capabilities exist to accept input from any type of front-end labor or incentive system and to output data to check reconciliation and general ledger systems.
- o The system can capture and report all detail payroll dollars, hours, and deductions for any time period the user defines.

Output reports include: paychecks, payroll registers, deduction registers, balancing/control reports, payroll distribution reports, deduction analysis report, name and address reports, mailing labels, personnel reports, and statistical reports.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 66 central processing system

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL

**DOCUMENTATION:** Programmer's Guide  
User's Guide

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Additional terms negotiable; site discounts available.

**I.D. NUMBER:** 6 76 0271

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## REMOTE NETWORK PROCESSOR (TAPE/CARD)

HDA

**DESCRIPTION:** The initial release of the standard system programming package provides remote batch functions in conjunction with a Series 600/6000 system and DATA-NET 355/305 front-end network processor. Communications line speeds up to 9600 bits per second may be used with the first release.

Future releases planned will provide online magnetic tape input/output with offline conversion to/from cards and to print together with up to 50,000 bits per second communications capability.

### MINIMUM HARDWARE REQUIREMENTS:

- o Type RCP702 Remote Processor which includes 716 CP with 4096 words of memory (HSA and BSR not included)
- o KSR console teletypewriter
- o DMC adapter
- o Synchronous single line controller
- o Card reader or card reader/punch
- o High-speed line printer

**PROGRAMMING LANGUAGE:** DAP Assembly

**DOCUMENTATION:** Product Brief (Ref. RCP 702 Sec) (AK75)

Users' Guide (in field test status)

Systems Generation Guide (in development status)

**SHIPPING MEDIUM:** Source Tape (H-200 Social Format) or Source Card (in field test status); Self-Loading Binary Card (in field test status)

## SYSTEM SOFTWARE

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### BLISS-11 CROSS-COMPILER

ARI

**DESCRIPTION:** This package permits a Honeywell 6000 user to develop systems software for the PDP-11 using the

BLISS-11 language. There are four basic components:

- o PDP-10 to Series 6000 Translator – Translates PDP-10 relocatable object files into Series 6000 core image files.
- o PDP-10 Operating System Simulator – Interfaces the Series 6000 core images to GCOS. Simulates PDP-10 operating system calls into GCOS calls.
- o BLISS-11 GCOS TSS Interface – Provides for execution of the BLISS-11 compiler from a time sharing terminal.
- o File Conversion Utilities – Convert file formats from GCOS system standard format to PDP ASCII format, from PDP-11 ASCII to GCOS printer listing format and from 6000 core image files to GCOS H\* files.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 6000 with 70K bytes of memory.

**OPERATING SYSTEM:** GCOS Release 6

**PROGRAMMING LANGUAGE:** BLISS-10; GMAP

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**I.D. NUMBER:** 6 05 0012

---

**COBOL-74**

**HDS**

**DESCRIPTION:** The Level 66 COBOL-74 compiler is a new language that operates in the multiprogramming environment under GCOS. This compiler conforms to American National Standard COBOL-74. It offers extensions in the nucleus and communication modules. I-D-S/II subschema and DML (Data Manipulation Language) capabilities are integral features of the compiler. The compiler accepts source program input from cards, remote terminals, user files, the source library files, I-D-S/II data base subschema files, and the user copy library files. The compiler produces an object-code compilation unit that can be linked with other compilation units from programs written in COBOL-74 or other source languages to form an executable run unit.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 systems with 131,072 words (524, 288 bytes) of main memory

**OPERATING SYSTEM:** GCOS

**DOCUMENTATION:** Product Brief (DC36)  
Reference Manual (DE01)

**SHIPPING MEDIUM:** SFL6001

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**DIRECT**

**ARI**

**DESCRIPTION:** DIRECT is a comprehensive data base management system which provides the following capabilities:

- o Multiple random retrieval keys (up to 999 per record)
- o Random retrieval using partial key values (first n characters)
- o Sequential retrieval – next, prior, and unordered
- o Duplicate keys and the capabilities to handle them
- o Variable-length records (1 – 4095 words)
- o Multiuser access with no restrictions on concurrent data base update

- o Support of user's COBOL programs, utilizing the CALL procedure
- o Extremely easy to use (procedural approach to data base design); user training requires less than one day

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 central processing system with 11K words of memory
- o Disk, dependent on size of user's data base
- o Tape drive for recovery journal

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** GMAP

**DOCUMENTATION:** User Manual

**SHIPPING MEDIUM:** Magnetic tape

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance included in purchase/rental. User education (up to two days) provided at user site. Additional consulting services available on contract basis.

**I.D. NUMBER:** 6 05 0259

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**FORTRAN-Y CROSS COMPILER**

**ARI**

**DESCRIPTION:** This system permits a Series 6000 user to develop and debug programs in FORTRAN-Y on the Series 6000 in the normal manner and then, using the cross-compiler, load the programs in object code on PDP-11/40 or 45 minicomputers. The same programs can then run on Series 6000 or PDP-11 as desired.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 6000 with 40K bytes of memory

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** GMAP

**ORDERING PROCEDURE:** Contact ARI (see Preface).

**SPECIFIC PROVISIONS:** Maintenance option included for first year.

**I.D. NUMBER:** 6 05 0013

---

**GENERAL COMPREHENSIVE OPERATING SUPERVISOR (GCOS)**

**HDS**

**DESCRIPTION:** GCOS Level 66 incorporates multiprogramming, multiprocessing, local and remote processing capabilities, plus the latest concepts of file system design, communications, and time sharing. Under GCOS, the dimensions of batch processing, remote access processing, transaction processing, and time sharing are integrated, GCOS controls, schedules, and monitors all activities of the Level 66 information system.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 central processing system

**SHIPPING MEDIUM:** Level 66 Version (H6600J6.000)

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

**HONEYEDIT – LEVEL 66**

**UDA**

**DESCRIPTION:** Honeyedit is a set of time sharing commands for providing powerful text editing facilities in

## SYSTEM SOFTWARE

Build mode. There are ten commands for editing line numbered files for users of ALGOL, BASIC, CARDIN, and FORTRAN and any other time sharing system that operates in Build mode.

The editing commands are patterned after a popular text editing and job preparation system called WYLBUR, developed at Stanford University. WYLBUR has established a reputation for being the easiest to learn of all text editors that are reasonably powerful and the most powerful of the text editors that are easy to learn.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 66 or Series 6000 central processor

**OPERATING SYSTEM:** TSS/GCOS Release E or later

**DOCUMENTATION:** User's Guide (AW44)

**SHIPPING MEDIUM:** Filsys User Save Tape (SEU6001)

---

### INTEGRATED DATA STORE/II

HDS

**DESCRIPTION:** I-D-S/II is a new and powerful system for describing, creating, and maintaining a data base. I-D-S/II supports an integrated data base environment with a number of sophisticated software modules. These include translators for defining the data base and media environment, a translator for defining and validating data base subsets, a COBOL-74 compiler, run-time data base control subroutines, and data dictionary facilities for evaluating changes to a data base. I-D-S/II can be used by the manufacturing, distribution, insurance, and banking industries to establish a dependable, centralized data base. Some of the significant system design and programming features of I-D-S/II include:

- o Data Independence – The structure of stored data can be changed without having to change the application programs that use that data.
- o Variety of Data Structure – These structures can be singular, tree, hierarchical, or network in any combination.
- o Large Data Base – Easily implement integrated data bases containing up to 68 billion records.
- o Interactive Access – With Interactive I-D-S/II, a comprehensive time sharing language, have immediate online access to information in the data base.
- o Data Security – With privacy locks and keys, can limit access to information in a data base down to the data item level.
- o Hardware Independence – Processor and device independence provide for easy upward growth as needed.
- o Restructuring Utilities – Extensive restructuring capabilities allow a data base to be changed after the design and implementation stages.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 66 central processor (also runs on Series 6000 systems with the Extended Instruction Set)

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** COBOL-74

LEVEL 66 AND SERIES 400/600/6000

**DOCUMENTATION:** Product Brief (DE19)  
Brochure (DE71)

**SHIPPING MEDIUM:** SED 6002

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

---

### LISP – LEVEL 66

UDA

**DESCRIPTION:** LISP/66 is an interactive LISP interpreter. In addition to providing most of the standard functions of other LISP systems, LISP/66 offers improved character handling facilities and a file-oriented input/output system. LISP has been in use in educational and research institutions for many years. Several packages have been implemented using LISP such as ELIZA (a program which acts as another person in a conversational dialog) and REDUCE (a symbolic algebra package which can solve equations and perform integrations and differentiations).

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 66 central processor

**OPERATING SYSTEM:** TSS/GCOS Release E or later

**DOCUMENTATION:** User's Guide (AW41)

**SHIPPING MEDIUM:** Filsys User Savetape (SEL6012)

---

### MANAGEMENT DATA QUERY SYSTEM II (MDQSII)

HDS

**DESCRIPTION:** MDQS/II provides the capability to extract and display data from Series 60 Level 66 data files. It operates on sequential, index sequential, random, and integrated data files to retrieve data for report generation and computation. MDQS/II provides extensive sorting and reporting capabilities.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 66 central processor (also runs on Series 6000 Systems with Extended Instruction Set)

**OPERATING SYSTEM:** GCOS

**DOCUMENTATION:** Product Brief (DB99)

Brochure (DE32)

User's Guide (DC80)

Administrator's Guide (DC81)

**SHIPPING MEDIUM:** SFP 6002

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative

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### MANAGEMENT DATA QUERY SYSTEM IV (MDQS IV)

HDS

**DESCRIPTION:** MDQS IV provides the capability to extract and display data from Series 60 Level 66 data files. It operates on sequential, index sequential, random, and integrated data files to retrieve data for report generation and computation. MDQS IV includes a data manipulative language and capabilities for file creation, maintenance and modification.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 central processor (also runs on Series 6000 Systems with the Extended Instruction Set)

**OPERATING SYSTEM:** GCOS

**DOCUMENTATION:** Product Brief (DB99)  
Brochure (DE32)

**SHIPPING MEDIUM:** SFP 6004

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**NETWORK PROCESSING SUPERVISOR (NPS) HDS**

**DESCRIPTION:** NPS is the powerful system of control programs directing the operation of the DATANET 6600 Front-End Network Processor. NPS encompasses and supports these processing environments:

- o Remote job entry from widely separated locations for centralized information processing
- o Transaction processing via data entry devices
- o A broad range of time sharing services
- o Message switching, ranging from local service to nationwide capabilities
- o Direct program access for rapid execution of online applications transactions
- o Data collection and distribution

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 central processor

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** FORTRAN; COBOL; GMAP

**DOCUMENTATION:** Product Brief (DC76)  
Reference Manual (DB63)

**SHIPPING MEDIUM:** H6600J6.000L

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative

**PASCAL – LEVEL 66 UDA**

**DESCRIPTION:** The PASCAL compiler for the Honeywell Series 66 provides the time sharing user with a powerful and versatile language that compiles and runs under TSS. PASCAL is the favorite language of computer science today. It has good control structures and powerful data structuring abilities, yet it is a simple language. PASCAL is recommended for teaching introductory programming, but it is also intended for general purpose programming. Its features make PASCAL a practical alternative for numeric computing, business data processing, or even systems programming.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 or Series 6000 with EIS

**OPERATING SYSTEM:** TSS/GCOS Release E or later

**DOCUMENTATION:** User's Guide (AW65)

**SHIPPING MEDIUM:** Filsys User SAVE Tape (SEL 6013)

**PL/I HDS**

**DESCRIPTION:** PL/I is a language processor designed for commercial, scientific, and systems programming applications. It is a block structured language that permits both internal (local) and external (global) variables and procedures. A comprehensive set of data formats gives PL/I considerable data descriptive power. These include 16 distinct types of arithmetic data, character string, bit string, locator, label, entry, file, and area data. In addition, compilation and execution can be initiated through either batch or time sharing CARDIN. Programs written in advanced PL/I ensure future expandability and ease of maintenance.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 central processor with 196,608 word (786,432 bytes) of main memory (also available on Series 6000 systems)

**OPERATING SYSTEM:** GCOS

**DOCUMENTATION:** Product Brief (DB25)  
Multics PL/I Language Manual (AG94)  
Multics PL/I Brief (AK69)

**SHIPPING MEDIUM:** SFL 6002

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**UNIVERSAL TOTAL 66 HDS**

**DESCRIPTION:** TOTAL is a program product that provides a data base management facility. It functions with host languages COBOL and FORTRAN. It provides input and output access to a random file.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 66 central processor

**OPERATING SYSTEM:** GCOS

**PROGRAMMING LANGUAGE:** Object code available

**DOCUMENTATION:** User Manual (DE28)

**SHIPPING MEDIUM:** Universal TOTAL 66 on tape

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

**SPECIFIC PROVISIONS:** Minimum license term is 12 months.

- o On fully paid-up license, software maintenance updating charge invoiced annually commencing 1 year after delivery
- o License Option Credits (LOC) of 50% of first six months of monthly license fees paid may be applied toward conversion to a fully paid-up license
- o Installation and System Support available at the current worker-day rate plus travel and lodging.

# **Section 5**

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**SERIES 16**

**SERIES 60 LEVEL 6**



**SECTION 5  
SERIES 16  
SERIES 60 LEVEL 6**

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# Section 5

## SERIES 16

## SERIES 60 LEVEL 6

### SYSTEM SOFTWARE

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#### GCOS/BES1 ASSEMBLER HDS

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**DESCRIPTION:** The Level 6 GCOS/Basic Executive System 1 Assembler for the 6/30 Models processes source statements written in symbolic language, translates them into object code, and produces a listing of the source program, along with its associated assembly information. The Assembler is a nonoverlaid two-pass processor that operates in 8K words of main memory (up to 64K can be used) with a system console (KSR), one input device, and two output devices.

During the first pass, the Assembler constructs its symbol table in a core-resident table area. During the second pass, the object text and/or listing, as requested, are generated. The assembly listing reflects each source record, the generated machine code and a maximum of four diagnostic flags per record.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 6 central processor with 8K words of memory
- o Two diskette drives
- o System console (KSR teleprint or equivalent)

**DOCUMENTATION:** Product Brief (AT09)

**SHIPPING MEDIUM:** Diskette

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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#### GCOS/BES1 EXECUTIVE MODULES HDS

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**DESCRIPTION:** The GCOS/BES1 executive modules for the 6/30 Models provide the software base on which a user builds an application. The modules relieve the burden of developing a set of support facilities that are common requirements among all users.

The executive modules support the detail level of an online, interrupt-driven system operation with such facilities as task dispatching and scheduling, input/output execution (with device address independence), timing, and trap handling. These facilities are selected by the user and reside in memory. They require no peripheral support.

Outstanding features of the executive modules include:

- o Modules support up to 64 vectored priority interrupts
- o The user assigns device priority
- o Hardware controls execution of tasks
- o Tasks run at user-assigned priority levels
- o Context save and restore function is automatic
- o Software polling is not needed to identify the interrupting device

- o Response time for real-time applications is fast
- o Reduced overhead gives greater throughput
- o The trap structure enhances system integrity by detecting many program error conditions
- o The executive modules require less than 1024 words of memory (excluding peripheral drivers and system tables)
- o Calling sequences and register usage conventions are standard
- o User applications can be programmed in Level 6 GCOS/BES1 FORTRAN and/or assembly language.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 6 central processor with 1024 words of memory
- o Diskette or paper tape

**PROGRAMMING LANGUAGE:** FORTRAN; Assembly language

**DOCUMENTATION:** Product Brief (AT06)

**SHIPPING MEDIUM:** Diskette

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

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#### GCOS/BES1 FORTRAN HDS

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**DESCRIPTION:** The GCOS/Basic Executive System 1 (GCOS/BES1) FORTRAN compiler is a fast, one-pass processor with 16K words of main memory which accepts source statements and producing object text and/or a listing of FORTRAN source statements with diagnostics and a memory map. Optionally, the FORTRAN compiler can generate assembly language statements instead of object code and then programmers can embed assembly language statements in FORTRAN statements and/or modify the generated code before assembling.

Level 6 FORTRAN input/output routines includes reading and writing or formatted and unformatted records of sequential or direct access files and internal files and support of the OPEN, CLOSE, REWIND and BACKSPACE statements. The I/O routines also contain data conversion routines to edit integer, real, logical, and character data for formatted input and output records.

The I/O routines produce diagnostics to flag inappropriate commands, such as WRITE to a card reader, or inconsistent commands, such as a formatted READ or an unformatted record.

Object time I/O devices permit sequential or direct accessing. The I/O routines are re-entrant and can be used by different programs simultaneously without duplication.

Level 6 I/O routines are modular so only the module needed is used; valuable space is therefore not taken up during program runs by unneeded routines.

#### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 6 central processor with 16K words of memory
- o Two diskette drives
- o System console (KSR teleprinter or equivalent)

**PROGRAMMING LANGUAGE:** FORTRAN

**DOCUMENTATION:** Product Brief (AS93)

**SHIPPING MEDIUM:** Diskette

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

## SYSTEM SOFTWARE

### GCOS/BES1 UTILITY PACKAGE

HDS

**DESCRIPTION:** The utility package for the 6/30 Models gives users 16 flexible components that simplify the development and execution of programs. The Utility components let the user initialize new diskette volumes, allocate files to them, delete and rename these files, and copy from file to file or volume to volume. Additional components handle diskette-to-memory transfer and media transcription.

Each component contains its own comprehensive media error-detection facilities, monitoring for example, for defective sectors, transcription errors, and device faults.

For operational convenience, the components are grouped by function, minimizing the number of 8K-word memory loads required.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 6 central processor with 8K words of memory
- o Two diskette drives
- o System console (KSR teleprinter or equivalent)

**DOCUMENTATION:** Product Brief (AT08)

**SHIPPING MEDIUM:** Diskette

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

### GCOS/BES2 COMMUNICATIONS

HDS

**DESCRIPTION:** Communications software support for Level 6, 6/30 Models provides a powerful and flexible base upon which to build application software. It performs in a variety of communications environments ranging from simple data entry systems to highly sophisticated networking and distributed processing environments.

User-written software interfaces with the communications subsystem through two available interfaces.

At the lower level (physical interface), the user program can deal with communications terminals in a way similar to that used to control locally connected unit record devices such as card readers, line printers, etc. Thus, full advantage is taken of specific features of the communications terminals and effect optimizations to fit highly specialized environments.

At the higher level (logical interface), the user deals with communications terminals as if they were logical repositories of sequential data files. Data from/to a communications terminal is actually processed using the same techniques as those used to process data from/to disk files. Thus, the user is masked from all hardware dependencies. Freed of any hardware considerations, the user can now concentrate on the application aspects of his program and rely on the support software to exercise total control over the movement of data to/from the outside world.

#### **MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 6 central processor with 8K words of memory
- o Two diskette drives or cartridge disk
- o System console (KSR teleprinter or KSR-compatible CRT)

**DOCUMENTATION:** Product Brief (AT80)

**SHIPPING MEDIUM:** Diskette

LEVEL 6

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

### GCOS/BES2 EXECUTIVE MODULES

HDS

**DESCRIPTION:** The GCOS/BES2 executive modules for the 6/30 Models provide the base on which a user's application may be constructed. The modules have been designed to relieve the user of the burden of developing a set of support facilities that are common requirements among all users.

The executive modules support the detail level of an online, interrupt-driven system operation with such facilities as task dispatching and scheduling, input/output execution (with device independence), timing, and trap handling. These facilities are selected by the user and reside in memory. They require no peripheral support.

Outstanding features of the executive modules include:

- o Modules support up to 64 vectored priority levels
- o Hardware controls execution of tasks
- o Tasks run at user-assigned device priority levels
- o Context save and restore function is automatic
- o Software polling is not needed to identify the interrupting device
- o The trap structure enhances system integrity by detecting many program error conditions
- o Applications may be loaded and started on Level 6 configurations that have a Basic Control Panel
- o Task initiation, suspension, and status determination is performed from the operator console
- o Disk-resident tasks can be activated
- o The operator console (KSR or low-cost CRT) can be attached through a Multiline Communications Processor (MLCP).

#### **MINIMUM HARDWARE REQUIREMENTS:**

- o Series 60 Level 6 central processor

**DOCUMENTATION:** Product Brief (AT77)

**SHIPPING MEDIUM:** Diskette

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

### GCOS/BES2 MACRO PREPROCESSOR

HDS

**DESCRIPTION:** The Level 6 GCOS/BES2 Macro Preprocessor is a nonoverlaid one-pass processor with 8K words of main memory (up to 64K, if available). The Macro Preprocessor, a significant enhancement to the program development system, effectively constitutes a separate language processor driven by its own language. It's designed to operate in a stand-alone system environment and is written in the Level 6 GCOS/BES2 Assembly language for execution on Models 6/36 and 6/34.

The Macro Preprocessor lets the user define single-line abbreviations (Macro Call) for a group of assembly language statements (macro) and subsequently insert these statements into an assembly language source module. The Macro Preprocessor will accept macros residing as part of the source program or on a disk library file.

The user can tailor a macro, before it is made part of the assembly language source module, by the use of the 35 Macro Parameters available for each Macro Call. The macros may contain control statements (Macro Variables) used to modify the macro in which they are contained, or

## SYSTEM SOFTWARE/APPLICATIONS SOFTWARE

any other macro used in the assembly language source module. These variables are called Local and Global respectively, and 35 of each type are permissible. Other macro control statements permit conditional reordering of the processing sequence of the source lines in the macro expansion. This feature could provide for repetitive selection and/or selective exclusion of groups of lines.

A collection of Macro Functions which facilitate operations on source character strings is also available. These functions manipulate macro variables, parameters, and other macro functions.

Macro Calls contained within macros are said to be nested. There is no limit, other than the amount of main storage, to the depth of nesting. A nested Macro Call which calls the same macro in which it is contained is said to be recursive. Depth of recursion also is limited only by available memory.

### MINIMUM HARDWARE REQUIREMENTS:

- o Series 60 Level 6 central processor with 8K words of memory
- o Two diskette drives or cartridge disk
- o System console (KSR teleprinter or KSR-compatible CRT)

**DOCUMENTATION:** Product Brief (A179)

**SHIPPING MEDIUM:** Diskette

**ORDERING PROCEDURE:** Contact your local Honeywell Marketing Representative.

## APPLICATIONS SOFTWARE

### ADMINISTRATIVE GUIDE ARI

**DESCRIPTION:** This Manual will assist a school administrator in the construction of the Master Schedule. Contains: Responsibilities of the timetable for school administrators; preplanning; articulation; explanation of output reports for Phase I; detail explanation of preliminary analysis of the scheduling process; description of the preliminary steps in building a master schedule; explanation of balancing; assignment of teachers; detail explanation of output reports of Phase II; master schedule simulation; logical sequential system of the manual construction of a master schedule; alternate approaches to scheduling problems; sample master program with examples.

**ORDERING PROCEDURE:** Order from ARI, 151 Needham Street, Newton, MA 02161, enclosing check for \$4.80.

**I.D. NUMBER:** 9 71 0351

### BLACKJACK ARI

**DESCRIPTION:** Blackjack is an interesting simulator game, ideal for demonstrations or exhibits of computer capabilities. It allows interaction between a prospect and the computer.

### MINIMUM HARDWARE REQUIREMENTS:

- o Model 316 or 516 central processor

**SHIPPING MEDIUM:** 7- or 9-track magnetic tape

**ORDERING PROCEDURE:** Order as described in Preface under UL.

LEVEL 6

**SPECIFIC PROVISIONS:** Author/Submittor not identified.

**I.D. NUMBER:** 3 03 0399

### C0003 ARI

**DESCRIPTION:** This is a pseudo-random number generator.

### MINIMUM HARDWARE REQUIREMENTS:

- o Model 316 or 516 central processor

**PROGRAMMING LANGUAGE:** DAP-16

**SHIPPING MEDIUM:** 7- or 9-track magnetic tape.

**ORDERING PROCEDURE:** Order as described in Preface under UL.

**SPECIFIC PROVISIONS:** Author/submittor not identified.

**I.D. NUMBER:** 3 03 0398

### CHIP-16 ARI

**DESCRIPTION:** CHIP-16 is a 360 assembly program designed to assemble 316 source coding. This program was written with enough detail to produce expanded octal representation and error detection diagnostics with the assembled listing. This program executes under the control of the 360 Operating System. At present, the program outputs to the card punch, however, a modification to the program output section could be incorporated to include a paper tape punch.

### MINIMUM HARDWARE REQUIREMENTS:

- o Any host central processor with 75K of memory
- o Line printer
- o Card reader
- o Card punch

**PROGRAMMING LANGUAGE:** Assembly language

**SHIPPING MEDIUM:** Source cards and source 7-track magnetic tape or source 9-track magnetic tape alone

**ORDERING PROCEDURE:** Order as described in Preface under UL.

**SPECIFIC PROVISIONS:** Author/submittor not identified.

**I.D. NUMBER:** 3 03 0397

### HRSS 360/370 ARI

**DESCRIPTION:** This release of the Host Resident Software System (HRSS) allows System 700 users to perform DAP/700 program development on IBM System 360/370 equipment. The user can supply HRSS with DAP/700 source in System 360/370 format, request assembly, call for linking of the resultant object modules with libraries, and produce link text for execution on System 700 equipment.

### MINIMUM HARDWARE REQUIREMENTS:

- o Any host central processor with 106K memory partition
- o 9-track magnetic tape drive (800 bpi)
- o Disk storage

**PROGRAMMING LANGUAGE:** FORTRAN

**SHIPPING MEDIUM:** 9-track magnetic tape recorded at 800 bpi

## APPLICATIONS SOFTWARE

**ORDERING PROCEDURE:** Order as described in Preface under UL.

**SPECIFIC PROVISIONS:** Author/submittor not identified.

**I.D. NUMBER:** 3 03 0396

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### MAXIS

ARI

**DESCRIPTION:** This is a FORTRAN subroutine which is a modified version of the one supplied for the Calcomp plotter. It permits a variable number of decimal places (or integers) to be included in the axis values. It has also been shortened by restricting the axis to angles 0 and 90 degrees only.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 316 or 516 central processor
- o Calcomp plotter

**PROGRAMMING LANGUAGE:** FORTRAN

**SHIPPING MEDIUM:** 7- or 9-track magnetic tape

**ORDERING PROCEDURE:** Order as described in Preface under UL.

**SPECIFIC PROVISIONS:** Author/submittor not identified.

**I.D. NUMBER:** 3 03 0395

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### MESSWINET

ARI

**DESCRIPTION:** This software, consisting of seven modules, will drive a 716 in a message switching environment. The software is designed to accommodate up to 8 Synchronous Single Controllers (SSLCS). Any pair of SSLCS may be logically connected. The software will adjust to any difference in line speeds and pass the information (message) at approximately 97% of the slowest speed line. Routing selection is performed at the console by the operator, which in effect puts the system under centralized control. In other words, this system does not utilize automatic routing by which the terminals control the routing.

**MINIMUM HARDWARE REQUIREMENTS:**

- o System 700 central processing system with 8K memory
- o Magnetic tape

**PROGRAMMING LANGUAGE:** DAP16-M2

**SHIPPING MEDIUM:** 7- or 9-track magnetic tape

**ORDERING PROCEDURE:** Order as described in Preface under UL.

**SPECIFIC PROVISIONS:** Author/submittor not identified.

**I.D. NUMBER:** 3 03 0394

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### OBJCOPY

ARI

**DESCRIPTION:** This is a small program for copying tapes and performing simple editing operations as making library tapes.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 316 or 516 central processor
- o Reader/punch

**PROGRAMMING LANGUAGE:** DAP-16

LEVEL 6

**SHIPPING MEDIUM:** 7- or 9-track magnetic tape

**ORDERING PROCEDURE:** Order as described in Preface under UL.

**SPECIFIC PROVISIONS:** Author/submittor not identified.

**I.D. NUMBER:** 3 03 0393

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### PDA

ARI

**DESCRIPTION:** This application program calculates the area of a polar diagram given the bearing and magnitude at each point making up the diagram.

**Input (for each point):**

- o Point identifier
- o Azimuth from the center
- o Magnitude of the response

**Output:**

- o Area of each segment
- o Identity of each segment
- o Total area

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 316 or 516 central processor

**PROGRAMMING LANGUAGE:** FORTRAN

**SHIPPING MEDIUM:** 7- or 9-track magnetic tape

**ORDERING PROCEDURE:** Order as described in Preface under UL.

**SPECIFIC PROVISIONS:** Author/submittor not identified.

**I.D. NUMBER:** 3 03 0392

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### SEND/RECEIVE/PRINT/PUNCH

ARI

**DESCRIPTION:** The SR/DT (Send/Receive and Data Transcription) program is designed to transmit and receive data via Data-phone and to control printing and punching operations simultaneously.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 716 central processor with 28K memory
- o Printer
- o Punch
- o Console
- o UMLC

**PROGRAMMING LANGUAGE:** DAP

**SHIPPING MEDIUM:** 7- or 9-track magnetic tape

**ORDERING PROCEDURE:** Order as described in Preface under UL.

**SPECIFIC PROVISIONS:** Author/submittor not identified.

**I.D. NUMBER:** 3 03 0391

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### SIM-8

ARI

**DESCRIPTION:** This program simulates DEC PDP-8 assemblies on Series 16 equipment.

**SHIPPING MEDIUM:** 7- or 9-track magnetic tape

**ORDERING PROCEDURE:** Order as described in Preface under UL.

**SPECIFIC PROVISIONS:** Author/submittor not identified.

**I.D. NUMBER:** 3 03 0390

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**SUPER EDITOR**

**ARI**

**DESCRIPTION:** A utility source level Assembly Language Editor has been developed for minicomputers. The program has been tailored for 16,384 words of memory although it can be adapted to smaller or larger memory sizes. The Editor stores in memory, in a packed format, the source level code. It modifies the code out of memory, assembles from memory, and finally punches out a corrected paper tape. All input/output requirements of the DAP16M2 assembler are satisfied to read source level code from paper tape or memory, to list on magnetic tape, display terminal, or teletype, and to punch a binary on paper tape. Magnetic tape listings would be dumped on the high-speed line printer available to a larger computer at the laboratory.

This program greatly reduces the operator's time normally associated with program editing for a paper tape system.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 316/516/716 central processor with 16K memory

**PROGRAMMING LANGUAGE:** DAP16-M2

**SHIPPING MEDIUM:** Magnetic tape

**ORDERING PROCEDURE:** Order as described in Preface under UL.

**SPECIFIC PROVISIONS:** Author/submittor not identified.

**I.D. NUMBER:** 3 03 0389

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**WALMT**

**ARI**

**DESCRIPTION:** A simple operating system for magnetic tape. This program establishes named binary files on magnetic tape and these files can be recalled from the magnetic tape via the ASR and loaded into core. WALMT requires two sectors and is sector relocatable.

**MINIMUM HARDWARE REQUIREMENTS:**

- o Model 316 or 516 central processor

**PROGRAMMING LANGUAGE:** DAP

**SHIPPING MEDIUM:** Magnetic tape

**ORDERING PROCEDURE:** Order as described in Preface under UL.

**SPECIFIC PROVISIONS:** Author/submittor not identified.

**I.D. NUMBER:** 3 03 0388

# **Section 6**

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**XEROX PRODUCTS**

**SECTION 6  
XEROX PRODUCTS**

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# Section 6

## XEROX PRODUCTS

### INTRODUCTION

This section contains the KWIC INDEX from the PAL manual. The Program Availability List (PAL) is a microfiche document that lists all the application products supporting Xerox products. It classifies available software by 16- and 32-bit products and lists them alphabetically with the catalog number.

The first grouping covers the 16-bit 2/3-530 equipment and the next section covers the 32-bit 5-9/550/560 equipment.

Currently, there is no charge for software (except for licensed type A programs) but an approved Honeywell license is required for CP-V and CPR. The agreement permits customers to order and use the operating systems and related packages.

Interested persons should contact their local Honeywell field office for more information.



## PROGRAM AVAILABILITY LIST

SIGMA 2/3=530  
KWIC INDEX

KEY	TITLE	CAT.NØ CL	KEY	TITLE	CAT.NØ CL
DA 42 DIAG...SIGMA 2/3/530		706490 B3	DIAGNOSTIC...HARDWARE HARDWARE		720011 B1
DATADEF...RBM=16		706501 B3	DIAGNOSTIC...INSTRUCTION		720005 B1
DAY SUBROUTINE...TIME-OF-		890584 B3	DIAGNOSTIC...IOP		720007 B1
DCP)...DIAGNOSTIC CONTROL PROGRAM (		704025 B3	DIAGNOSTIC...KEYBOARD DISPLAY		704012 B3
DEBUG BOOT...RBM UTILITIES SUBSYSTEMS AND		705373 B1	DIAGNOSTIC...MANUAL CONTROL		720019 B1
DEBUG...STAND-ALONE		704455 B3	DIAGNOSTIC...MEMORY		720002 B1
DEBUG/TRACE (SIGMA 2)...		890523 B3	DIAGNOSTIC...PERIPHERAL SWITCHING EQUIP.		705266 B1
DECIPHER SUBROUTINE...		890897 B3	DIAGNOSTIC...POTTER 3000/3300 PRINTER		706462 B3
DEMAND PAGER...		890926 B3	DIAGNOSTIC...TMS09B/XPS97		706451 B3
DEVICE CHECKOUT PROGRAM...GEOSPACE SPECIAL		704285 B3	DIAGNOSTIC...XEROX 530 NS CARD READER		720037 B1
DEVICE HANDLER...MESSAGE ORIENTED COMM.		706255 B3	DIAGNOSTIC...7580 GRAPHIC DISPLAY		706262 B3
DEVICE SUBCONTROLLER DIAG...7902 EXTENDED		706172 B3	DIAGNOSTIC...7907 CLOSED LOOP		706468 B3
DIAG FOR 16 BIT XEROX COMP...ANALOG SIU		706509 B3	DIAGNOSTIC...7908 CLOSED LOOP		706470 B3
DIAG. PROG. LIB. CONTROL...XEROX COIN=X530		720023 B3	DIAGNOSTIC...7915/ADS=10 SIU		705892 B3
DIAG. PROG...MODIFIED 7910/14/22 ANALOG		705382 B3	DIAGNOSTIC...7930/7931/7935 SIU DIGITAL		704210 B3
DIAG. PROGRAM LIBRARY...XEROX COIN=X530		720022 B3	DIAGNOSTIC...8050 EXTERNAL MEMORY ADAPTER		704449 B1
DIAG...7902 EXTENDED DEVICE SUBCONTROLLER		706172 B3	DIAGNOSTIC...FAULT LOCATOR...MEMORY		705529 B3
DIAG...SIGMA 2/3/530 DA 42		706490 B3	DIAGNOSTICS FOR SIGMA 3...XPS=97		706109 B3
DIAG...XEROX 530 NS MAG TAPE		720019 B1	DIAL EQUIPMENT PROGRAM...AUTO		704156 B1
DIAG.PROG. LOADER (16-BIT MACHINE)...XEROX		720000 B1	DIGITAL ANALOG SIMULATOR...SIGDAS= SIGMA		890710 B3
DIAG.PROG.MAG.TAPE LIBRARY CONTROL PROG...		705693 B1	DIGITAL DIAGNOSTIC...7930/7931/7935 SIU		704210 B3
DIAGNOSTIC (INST)...530 INSTRUCTION		720032 B1	DISC FILE TEST PROGRAM...MASS STORAGE		704320 B3
DIAGNOSTIC (IOPS)...530 IOP		720034 B1	DISC STORAGE TEST...REMOVABLE		705533 B1
DIAGNOSTIC (MANL)...530 MANUAL CONTROL		720033 B1	DISK PACK BOOTSTRAP SIMULATOR...		890767 B3
DIAGNOSTIC (MEMO)...530 MEMORY		720030 B1	DISK SORT...XEROX 530		706257 B1
DIAGNOSTIC (OPTL)...530 OPTIONAL		720029 B1	DISK TEST...530 HARDWARE CARTRIDGE		706502 B1
DIAGNOSTIC (QNTN)...530 INTERRUPT		720031 B1	DISK...530 NS CARTRIDGE		720026 B1
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DIAGNOSTIC = SYSTEM EXERCISER...		705716 B3	DISPLAY DIAGNOSTIC...7580 GRAPHIC		706262 B3
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DIAGNOSTIC LIBRARY CONTROL PROGRAM...		720036 B1	DPM)...DIAGNOSTIC PROGRAM MONITOR (		705681 B1
DIAGNOSTIC LEADER=SYMBOL+EXTENDED SYMBOL...		705299 B3	DPS LOAD AND GO (LAG) PROCESSOR...		720015 B1
DIAGNOSTIC PROGRAM MAGNETIC TAPE LIBRARY...		705694 B1	DPS)...16 BIT EDIT (		720028 B1
DIAGNOSTIC PROGRAM MONITOR (DPM)...		705681 B1	DUMP ROUTINE (ELABORATED)...FCT		890720 B3
DIAGNOSTIC PROGRAM MONITOR...		720004 B1	DUPLICATOR/VERIFIER...PAPER TAPE		706449 B3
DIAGNOSTIC PROGRAM SYSTEM MONITOR...		720016 B1	DOO SAVE PROGRAM...SIGMA 2/3 CO1/		706244 B1
DIAGNOSTIC PROGRAM WITH HANDLERS...CCS=20		705357 B3	EDIT (DPS)...16 BIT		720028 B1
DIAGNOSTIC PROGRAM...CC=32/33		706202 B3	EDIT FOR RBM...		891051 B3
DIAGNOSTIC PROGRAM...CES=34		706114 B3	EDITOR FOR SIGMA 2...TEXT		890389 B3
DIAGNOSTIC PROGRAM...INTERRUPT		720006 B1	EDITOR...RBM RAD		705371 B1
DIAGNOSTIC PROGRAM...NS LINE PRINTER		720020 B1	ELABORATED)...FCT DUMP ROUTINE (		890720 B3
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DIAGNOSTIC PROGRAM...7922 SIU		704213 B3	ENTRY (BCM)...SIGMA 3 TO 1108 REMOTE JOB		890705 B3
DIAGNOSTIC PROGRAM...7923/28/29 SIU		705388 B3	ENTRY (RBM)...SIGMA 3 TO 1108 REMOTE JOB		890704 B3
DIAGNOSTIC PROGRAMMING SYSTEM LIBRARY...		720027 B1	ENTRY SYSTEMS EXERCISER...BRANCH DATA		720021 B1
DIAGNOSTIC SYSTEM (AUTO)...CPU		704011 B3	EQUIP. DIAGNOSTIC...PERIPHERAL SWITCHING		705266 B1
DIAGNOSTIC...ADS=10 SIU		705885 B3	EQUIPMENT PROGRAM...AUTO DIAL		704156 B1
DIAGNOSTIC...CHANNEL INTERFACE UNIT TEST		705297 B1	EQUIPMENT TEST...COMPREHENSIVE CARD		706170 B1
DIAGNOSTIC...CPU INTERRUPT		704002 B3	ERROR LOG LIST/ANALYSIS PROGRAM...		706481 B1
DIAGNOSTIC...CPU OPTIONAL INSTRUCTION		720012 B1	EXERCISER (SYSX)...SYSTEMS		720014 B1
DIAGNOSTIC...DATA SET CONTROLLER		704055 B1	EXERCISER FOR CCS=20 DATA LINK...		705365 B3
DIAGNOSTIC...HARDWARE MEMORY		720001 B1	EXERCISER SYSTEM...ON-LINE		706488 B1

## PROGRAM AVAILABILITY LIST

KEY	TITLE	CAT.NØ CL	KEY	TITLE	CAT.NØ CL
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EXTERNAL IØP TEST PROGRAM...		705679 B3	INTERGRAL IØP TEST...		705690 B3
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FAIL-SAFE TEST...PØWER		704140 B3	INTERRUPT DIAGNOSTIC...CPU		704002 B3
FAULT LOCATOR...MEMORY DIAGNOSTIC-		705529 B3	INTERRUPT SUBROUTINE...MULTIPLY/DIVIDE		704511 B3
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GEOMETRY LANG.=CIVIL ENG...CØØØ CØØRDINATE		890328 B3	KEYBOARD PRINTER (ASR/KSR)(16=BIT)...	XERØX	704015 B3
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HANDLER (RCØC)...	C.Ø.C.	705719 B1	LØADER GENERATOR...BØØT STRAP AND ABSOLUTE		705264 B1
HANDLER (STAND.PREC.FORTRAN)...	SIU 7930/31	705856 B3	LØADER...STAND-ALØNE RELOCATABLE		704453 B3
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HANDLER...RØM EØ1 MODIFICATIONS-ASCII TAPE		890825 B3	LØØP DIAGNOSTIC...7908 CØSØD		706470 B3
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ANALYSIS =	CPSA...CANONICAL	890450 B3	ASSEMBLER...	RBM MACRO-SYMBOL	705781 B3
ANALYSIS :	HIERARCHICAL GROUPING...CLUSTER	890472 B3	ASSEMBLER...	SIGMA 2 BASIC SYMBOL	890672 B3
ANALYSIS	OF VARIANCE...A*B*S	890436 B3	ASSEMBLER...	STAND-ALONE SYMBOL	704160 B3
ANALYSIS	OF VARIANCE...ANOVA = GENERALIZED	890440 B3	ASSEMBLER/	INTERPRETER SYSTEM...MIX	890715 B3
ANALYSIS	OF VARIANCE...INTERACTIVE	890839 B3	ASSEMBLY	OF SIGMA 2 PROG...PROCEDURES FOR	890615 B3
ANALYSIS	OF VARIANCE...LINDQUIST TYPE IV	890444 B3	ASSEMBLY	PROGRAM (AP)...XEROX	706459 B1
ANALYSIS	PROGRAM...1620 ELECTRONIC CIRCUIT	890667 B3	ASSEMBLY	PROGRAM (AP)...XEROX	706475 B1
ANALYSIS	WITH ROTATION...FACTOR	890465 B3	ATAK...	PRINT/COPY UTILITY =	706119 B3
ANALYSIS...	A*B*C = DESIGN	890435 B3	ATP	FOR DATA RECORDING AND TIMING SYSTEM..	705675 B3
ANALYSIS...	CROSS CLASSIFICATION	890456 B3	AUTO	BOOT...SYSTEM DISC DUMP/RESTORE/	890734 B3
ANALYSIS...	DISTRIBUTION	890457 B3	AUTO	DIAL DIAGNOSTIC PROGRAM...	704074 B1
ANALYSIS...	FRIEDMAN TWO-WAY	890429 B3	AUTO	SCHEDULE...	890954 B3
ANALYSIS...	INTERACTIVE MULTIPLE REGRESSION	890866 B3	AUTO...	CPU DIAGNOSTIC =	704287 B3
ANALYSIS...	ITEM	890473 B3	AUTO...	INSTRUCTION DIAGNOSTIC =	730000 B1



## PROGRAM AVAILABILITY LIST

SIGMA 5-9/550/560  
KWIC INDEX

KEY	TITLE	CAT.NO	CL	KEY	TITLE	CAT.NO	CL
AUTO)	CPU DIAGNOSTIC (	706133	B1	BMD	UCLA BIOMEDICAL STATISTICAL PACKAGE=	890850	B3
AUTO)	CPU DIAGNOSTIC SYSTEM (	704044	B3	BMT	STAND-ALONE I/O HANDLER FOR	704173	B3
AUTO-B	CROSS-LAG INTERCORRELATION...	890448	B3	BON	STAND-ALONE I/O HANDLER FOR	704163	B3
AUTOMATED	MEDICAL HISTORY PROGRAM...	890724	B3	BOK	BOOK...	706504	B3
AUTOMATED	PROCUREMENT STATUS (APS) SYS....	890895	B3	BOOLEAN	FUNCTIONS FOR SIGMA 7...INTEGER	890327	B3
AUTOMATIC	INTERACTION DETECTION (AID)...	890447	B3	BOOT	SYSTEM DISC DUMP/RESTORE/AUTO	890734	B3
AXB	LEAST SQUARES...	890434	B3	BOOTSTRAP	LOADER...ABSOLUTE	704145	B3
BADGE	READER DIAGNOSTIC PROGRAM...	705663	B3	BOPP	STAND-ALONE I/O HANDLER FOR	704171	B3
BALANCE	DESIGNS...ANOVA = GENERAL	890439	B3	BPM/BTM	BASIC COMPILER	705398	B1
BALANCE	DPO215...DISTRIBUTION LEDGER TRIAL	890592	B3	BREAKDOWN	TRANSLATOR (ROMBUST)...ROM	890143	B3
BALL	MODEL XPS-95 DEMO PROGRAM...NASA/	705843	B3	BROWSE	= INTERACTIVE INDEXED TEXT SYSTEM..	890877	B3
BALL	MODEL XPS-95 HANDLER...NASA/	705818	B3	BUDGET	STATEMENTS (DPO222)...MONTHLY	890593	B3
BATCH	MONITOR (RBM)...REAL-TIME	705732	B1	BUILD	TRANSMOG= EBCDIC BINARY FILE	706201	B3
BATCH	MONITOR CROSS REFERENCE GENERATOR...	890147	B3	BURSTER	PAGE	890797	B3
BATCH	MONITOR=-1 (RBM=1)...REAL-TIME	705280	B3	BUSINESS	POLICY GAME...	890558	B3
BATCH	QUEUE CHECKING GHOST...	891067	B3	BYTE	INSTRUCTION DIAGNOSTIC PROGRAM...	730023	B1
BATCH	QUEUE DISPLAY FOR ON-LINE...	891066	B3	BYTE	MIBP TEST PROGRAM...4	705292	B3
BATCH	QUEUE EXCHANGER...BATQXCH =	890928	B3	BYTE-STRING	INSTRUC. SIMULATOR (BCM VER)..	704365	B3
BATCH	QUEUE MANIPULATOR...	891065	B3	BYTE-STRING	INSTRUCTION SIMULATOR (S/A)...	704151	B3
BATCH	STREAM CARD LISTER...	890714	B3	BOCP	STAND-ALONE I/O HANDLER FOR	704172	B3
BATCH	TERMINAL TEST PROGRAM...REMOTE	704983	B1	CAGE	SIGMA 7 CPU EXERCISER...MARTIN=	704965	B3
BATQXCH	= BATCH QUEUE EXCHANGER...	890928	B3	CAL	CONVERSATIONAL ALGEBRAIC LANGUAGE...	890711	B3
BCD	CONVERSION...CN704852 MODOFORT1V COMP	890321	B3	CAL/APL	XEROX/COAST	890813	B3
BCD	EBCDIC CONVERSION SUBR...FORTRAN IV	890324	B3	CALC	F0CAL, FORTRAN-CALCULATOR, DESK	890312	B3
BCD	EBCDIC TRANSLATION TABLE...	704855	B1	CALCOMP	PLOTTER LABELLING SUBR (LABEL)...	704061	B3
BCM	ABS DUMP LOADER...BASIC	704146	B3	CALCOMP	PLOTTER SUBROUTINE PACKAGE...	890732	B3
BCM	OPERATING SYSTEM...	704144	B3	CALCOMP	PLOTTER...SYMBOL LAB. ROUTINE FOR	890388	B3
BCM	VER)...DECIMAL INSTRUCTION SIMULATOR	704364	B3	CALCOMP	PLOTTING PACKAGE...	890738	B3
BCM	VER)...BYTE-STRING INSTRUC. SIMULATOR	704365	B3	CALCOMP	PLOTTING SUBROUTINE (PLOT)...	704060	B3
BCM	VER)...FLOATING POINT INST. SIMULATOR	704363	B3	CALCULATION	RELIABILITY PREDICTION	704655	B3
BCM	VERS...UNIMPLEMENTED INST. SIM. PKG.	704362	B3	CALCULATOR, DESK	CALC...F0CAL, FORTRAN=	890312	B3
BCM	VERSION)...EXTENDED FORTRAN IV-H (	705850	B3	CALENDAR		890788	B3
BCM	MONITOR FOR	704133	B3	CALS	FOR FORTRAN USERS-MONITOR CAL1'S...	890660	B3
BCM	SYMBOL ASSEMBLER FOR	704158	B3	CAL1'S	CALS FOR FORTRAN USERS-MONITOR	890660	B3
BCM	CONVERT INSTRUCTION SIMULATOR (	704366	B3	CANONICAL	ANALYSIS = CPSA...	890450	B3
BCM	EXTENDED FORTRAN IV/IV-H LIBRARY (	705821	B3	CARD	COPY AND VERIFY PROGRAM = UTILITY...	704442	B1
BCM	STAND-ALONE COMMON SOFTWARE PACKAGE...	704127	B3	CARD	COPY/VERIFY PROGRAM...CCOPY-PUNCHED	890727	B3
BDP	PRT...C0B0L SUBROUTINE	890606	B3	CARD	CORE DUMP = UTILITY...ONE	705750	B3
BINOMIAL	SIGNIFICANCE TEST...	890449	B3	CARD	DECK...JT-14 PET UNIT TEST PATTERN	704427	B3
BIOMEDICAL	PR0G.=REGULAR & X SERIES...UCLA	890890	B3	CARD	DUPPLICATOR = USES 7160 PUNCH...	890556	B3
BIOMEDICAL	STATISTICAL PACKAGE=BMD...UCLA	890850	B3	CARD	EQUIPMENT TEST...COMPREHENSIVE	706169	B1
BIRD	WHISTLING-SIMULATION...	890557	B3	CARD	FILER...CONTROL	890843	B3
BIT	COMPREHENSIVE LP TEST...XEROX 32	730032	B1	CARD	LISTER USING SIG 5/7 (STAND-ALONE)...	890554	B3
BIT	CR/CP DIAGNOSTIC...XEROX 32	730031	B1	CARD	LISTER...BATCH STREAM	890714	B3
BIT	EDIT DIAGNOSTIC SYSTEM PROGRAM...32=	730014	B1	CARD	READER SYMB. START...BPM SELF SCORE=	890585	B3
BIT	I/O UTILITY PROGRAM...32=	730030	B1	CARD	STORE/RETRIEVE (CSR)...	705879	B1
BIT	LIBRARY LOADER...XEROX 32=	730011	B1	CARD	UTILITIES,SINGLE	890659	B3
BIT	OLMON (OLTEST ROOT)...32=	706497	B1	CARD,PUT,MT)	UTIL...S/A FILE CPY AND VER(	704782	B3
BIT	WORD TO 64 BIT...C36T64 CONVERT 36	890721	B3	CARDS	FOR ILLEG.PUNCHES & SEQ...EDIT DATA	890458	B3
BIT	C36T64 CONVERT 36 BIT WORD TO 64	890721	B3	CARDS	EXTRACT PAYROLL 5	890570	B3
BLDCRSE	=S-O-P COURSE NAME PROGRAM...	890582	B3	CARDS	EXTRACT WAGE	890567	B3
BLDNAME	=S-O-P STUDENT NAME PROGRAM...	890583	B3	CART	PANAVIA	706441	B3
BLOCKED	AND OVERLAPPED I/O PACKAGE...	890967	B3	CART	CHECK OUT AID AND READINESS TEST (	705668	B3
BLOCKER	FILE BLOCKING/UNBLOCKING ROUTINE..	890955	B3	CART=3	CHECK-OUT AID READINESS...	706205	B3
BLOCKING	/UNBLOCKING ROUTINE...BLOCKER-FILE	890955	B3	CARTRIDGE	DISK DIAGNOSTIC...550/560	730027	B1

PROGRAM AVAILABILITY LIST

KEY	TITLE	CAT. NO	CL	KEY	TITLE	CAT. NO	CL
CASPRE BPM...		890791	B3	C08BL TTY + ROUTINES...		891064	B3
CATALOG PROCEDURES...		890818	B3	C08BL...TIMER ELAPSED TIME SUBR FOR		890709	B3
CCOPY=PUNCHED CARD COPY/VERIFY PROGRAM...		890727	B3	C0C HANDLER FOR XEROX MESSAGE SWITCH SYS..		705726	B3
CCS...ON-LINE COMPUTER CENTER SUBSYSTEM		706436	B3	C0CHRAN Q=TEST...		890427	B3
CCS-20 DIAGNOSTIC PROGRAM WITH HANDLERS...		705358	B3	CODE SYSTEM HANDLER (TCSH)...TIME		706237	B3
CC32 DIAGNOSTIC PROGRAM...SIGMA 5-9		705886	B3	CODE TRANSLATOR TEST...TIME		706235	B3
CENTER SUBSYSTEM CCS...ON-LINE COMPUTER		706436	B3	C0DE...SIGMA 5/7 MF0R LINEAR PROGRAMMING		890146	B3
CFE-3 TEST...		704340	B3	C0DED DECIMAL...ECD ENGLISH		890736	B3
CHANNEL INTERFACE UNIT TEST DIAGNOSTIC...		705279	B1	C0EFF...CROSS TABS, CHI-SQUARES, CONTIN6.		890454	B3
CHANNEL MAGNETIC TAPE TEST...7		705735	B1	C0EFFICIENT OF CONC0RDANCE...KENDALL		890430	B3
CHANNEL MAGNETIC TAPE TEST...9		705542	B1	C0L. BINARY)...SUBROUTINE PUNCH (		890658	B3
CHANNEL TEST PROGRAM...INTEGRAL I0P		704018	B3	C0L0R TRANSLAT0R...TRISTIMULUS T0 MUNSELL		890878	B3
CHAR POTTER LINE PRINTER TEST PR0G...192		705428	B3	C0MET...MEMORY DIAGNOSTIC =		706140	B1
CHAR ROM MATRIX GENERATOR...5-9,550/560		706517	B3	C0MM0N S0FTW4RE P4CK4GE...BCM/STAND=AL0NE		704127	B3
CHAR ROM MATRIX IDS10/20...SIG 5-9,550/560		706516	B3	C0MMUNICATI0N TEST...CHARACTER ORIENTED		704016	B1
CHARACTER ANALEX LINE PRINTER TEST...96-		705731	B1	C0MMUNICATI0NS C0NTR0L PR0G...UNIVAC 1108		890743	B3
CHARACTER MANIPULATI0N ROUTINES--F0RTRAN..		890657	B3	C0MP BCD C0NVERSI0N...CN704852 M0D0F0RT1V		890321	B3
CHARACTER ORIENTED C0MMUNICATI0N TEST...		704016	B1	C0MP/S0URCE UPDATE EDIT0R = UTILITY...S/A		704785	B3
CHARACTER PRINTER TEST PROGRAM...OPTICAL		706411	B3	C0MPARER...METASYMB0L S0URCE PR0GRAM		890876	B3
CHECK LISTING (DP0512)...0UTSTANDING		890597	B3	C0MPARIS0N PR0GRAM...S0MPARE=S0URCE FILE		890956	B3
CHECK 0UT AID AND READINESS TEST (CART)...		705668	B3	C0MP0NENTS)...F4CT0R ANALYSIS (PRINCIPLE		890460	B3
CHECK...PAYR0LL ERROR		890565	B3	C0MPREHENSIVE CARD EQUIPMENT TEST...		706169	B1
CHECK-0UT AID READINESS...CART=3		706205	B3	C0MPREHENSIVE F0RTRAN I/O P4CK4GE...		891055	B3
CHECKER...CHECK0UT AID=		704448	B3	C0MPREHENSIVE LINE PRINTER TEST...		706167	B1
CHECKING GHOST...BATCH QUEUE		891067	B3	C0MPREHENSIVE LP TEST...XER0X 32 BIT		730032	B1
CHECK0UT AID-CHECKER...		704448	B3	C0MPREHENSIVE RAD TEST...		705730	B1
CHECKS...PAYR0LL		890566	B3	C0MPRESSED LIB...EXTENDED F0RTRAN IV/IV=H		705001	B1
CHI-SQUARES, C0NTIN6. C0EFF...CROSS TABS,		890454	B3	C0MPRESSED S0URCE MERGE PR0GRAM...		890326	B3
CHR=AC...		706112	A1	C0MPRESSI0N UTILITY PR0GRAM...		706148	B3
CIRC=DC...		705865	A1	C0MPUTER CENTER SUBSYSTEM CCS...ON-LINE		706436	B3
CIRC-TRANSIENT...		706253	A1	C0M16...MEMORY DIAGNOSTIC =		706295	B1
CIRCUIT ANALYSIS PR0GRAM...1620 ELECTRONIC		890667	B3	C0NC0RDANCE...BASIC		706292	B3
CLASS, APL C0URSE...APL LEARNING AID =		890929	B3	C0NC0RDANCE...KENDALL C0EFFICIENT 0F		890430	B3
CLASSIFICATI0N ANALYSIS...CROSS		890456	B3	C0NFI0RMATI0N...PAYR0LL T0TALS		890563	B3
CLASSIFICATI0N ANALYSIS...MULTIPLE		890474	B3	C0NS0LE DIAGNOSTIC PR0G...SYSTEM C0NTR0L		730029	B1
CLEBSCH-G0RDAN SUBROUTINE...		890870	B3	C0NS0LE EXAMINER (FACE)...FREESTANDING		704786	B3
CLOCK TEST...REAL-TIME		704017	B3	C0NS0LE TAPE HANDLER...M0THER-0PERAT0R		890703	B3
CLOSURE HANDLER...C0NTACT		706227	B3	C0NTACT CLOSURE HANDLER...		706227	B3
CLUSTER ANALYSIS ; HIERARCHICAL GR0UPING..		890472	B3	C0NTINUING T0URNAMENTS...S0C0RE KEEPER FOR		890706	B3
CN704852 M0D0F0RT1V C0MP BCD C0NVERSI0N...		890321	B3	C0NTINU0US SIMULATI0N...INTERACTIVE		890838	B3
C0AST CAL/APL...XER0X/		890813	B3	C0NTIN6. C0EFF...CROSS TABS, CHI-SQUARES,		890454	B3
C08BL ADD SEQUENTIAL SUBROUTINE...		890604	B3	C0NTR0LLER DIAGNOSTIC...DATA-SET		704013	B1
C08BL C0MPILER...XER0X ANS		705888	B1	C0NTR0LLER DIAGNOSTIC...REMOVABLE DISK		730034	B1
C08BL ENG/DEQ SUBROUTINE...		891054	B3	C0NTR0LLER DIAGNOSTIC...ROTATING MEMORY		730033	B1
C089L KEYED-FILE UTILITY SUBROUTINES...		890598	B3	C0NV. LANGUAGE)...BPM/BTM PCL (PERIPHERAL		706206	B1
C089L RELEASE FILES (RELFILES)...		890599	B3	C0NVERIANCE...AN0VA =		890438	B3
C089L RESTART PR0GRAM...		890717	B3	C0NVERSATI0NAL ALGEBRAIC LANGUAGE...CAL=		890711	B3
C089L SUBROUTINE BDP*PRT...		890606	B3	C0NVERSI0N (7/9 TRACK) = UTIL...MAG. TAPE		704783	B1
C089L SUBROUTINE BINARY SEARCH...		890607	B3	C0NVERSI0N AND EDIT0R R0UTN=UTIL...MEDIA		704784	B1
C089L SUBROUTINE DELREC...		890600	B3	C0NVERSI0N SUBR...F0RTRAN IV BCD=EBCDIC		890324	B3
C089L SUBROUTINE GETC0M...		890601	B3	C0NVERSI0N SUBROUTINE...DATE		706105	B3
C089L SUBROUTINE GETKEY...		890602	B3	C0NVERSI0N UTILITY...DMS T0 EDMS		706524	B3
C089L SUBROUTINE KEYSTART...		890603	B3	C0NVERSI0N...CN704852 M0D0F0RT1V C0MP BCD		890321	B3
C089L SUBROUTINE PAPERCHG...		890605	B3	C0NVERT INSTRUCTI0N SIMULAT0R (BCM)...		704366	B3
C089L TELETYPE INTERFACE SUBROUTINES...		890746	B3	C0NVERT INSTRUCTI0N SIMULAT0R (S/A)...		704152	B3

PROGRAM AVAILABILITY LIST

KEY	TITLE	CAT.NO	CL	KEY	TITLE	CAT.NO	CL
CONVERT 36 BIT WORD TO 64 BIT...	C36T64	890721	B3	CPY AND VER(CARD,PUT,MT)=UTIL....S/A FILE	704782	B3	
CONVERTER = CPU LEADER DDC....FORMAT		704029	B3	CR/CP DIAGNOSTIC...XEROX 32 BIT	730031	B1	
CONVERTER...IBM=XEROX APL FILE		890832	B3	CREATE QUARTERLY REPORT RECORD...	890574	B3	
CONVERTER...IBM=XEROX APL WORKSPACE		890831	B3	CREATE/UPDATE...RELIABILITY PREDICTION	706454	B3	
COPY & VERIFY PROGRAM-UTILITY...PAPER TAPE		704422	B1	CRITICAL PATH...INTERACTIVE	890834	B3	
COPY AND SEQUENCE PROGRAM = UTILITY...		704396	B1	CROSS ASSEMBLER...HP RT EXECUTIVE	890982	B3	
COPY AND VERIFY (BPM) UTILITY...MAG TAPE		705366	B3	CROSS CLASSIFICATION ANALYSIS...	890456	B3	
COPY AND VERIFY PROGRAM = UTILITY...CARD		704442	B1	CROSS REFERENCE GENERATOR...BATCH MONITOR	890147	B3	
COPY PROCESSOR...CP=R		890993	B3	CROSS REFERENCE PROGRAM...FORTRAN	890545	B3	
COPY PROCESSOR...MULTIPLE TAPE		706128	B1	CROSS REFERENCE SYMBOL LISTING PROG....	890157	B3	
COPY PROCESSOR...RBM		890794	B3	CROSS TABS, CHI-SQUARES, CONTIN. COEFF...	890454	B3	
COPY PROGRAM = UTILITY...MAG TAPE/RAD		705423	B3	CROSS TABULATION...INTERACTIVE	890841	B3	
COPY PROGRAM MAG TAPE TO DISK...		706443	B1	CROSS=LAG INTERCORRELATION...AUTO=8	890448	B3	
COPY UTILITY = ATACK...PRINT/		706119	B3	CRSH = LOAD MODULE CRUSHER...	890745	B3	
COPY...GRAPHIC DISPLAY TO PLOTTER		705852	B3	CRUSHER...CRSH = LOAD MODULE	890745	B3	
COPY...SMUT = (SIGMA 5/6/7 MULTI TAPE		705869	B3	CSR)...CARD STORE/RETRIEVE (	706279	B1	
COPY/VERIFY PROGRAM...CCOPY=PUNCHED CARD		890727	B3	CURVE FITTING...INTERACTIVE LEAST SQUARES	890865	B3	
CORE DUMP = UTILITY...KEYED		705751	B3	CURVE FITTING...POLYNOMIAL	890835	B3	
CORE DUMP = UTILITY...ONE CARD		705750	B3	C01...PORT TEST	706271	B1	
CORE FOR FORTRAN PROGRAMS...XCORE = EXTRA		890737	B3	C36T64 CONVERT 36 BIT WORD TO 64 BIT...	890721	B3	
CORE PREP (HCP)...CPU HARD		706264	B1	DAC HANDLER...DMS=12	706229	B3	
CORRELATIONS WITH MISSING DATA...		890453	B3	DAHP)...DATA RETRIEVAL PACKAGE (	705669	B3	
CORRELATIONS...PARTIAL		890428	B3	DATABASE PROCESSOR (IDP)...INTERACTIVE	706466	B1	
CORRELATIONS; PRODUCT MOMENT...		890451	B3	DATADef SYSTEMS PROGRAMMING PROCEDURES...	705673	B1	
COURSE NAME PROGRAM...BLDCRSE=S=0=P		890582	B3	DATAFORM GENERATOR BY PLOTTER...PHORMER =	890534	B3	
COURSE...APL LEARNING AID = CLASS, APL		890929	B3	DATE CONVERSION SUBROUTINE...	706105	B3	
CP DIAGNOSTIC...XEROX 32 BIT CR/		730031	B1	DATE SUBROUTINE...TIME AND/OR	890325	B3	
CP=R COPY PROCESSOR...		890993	B3	DATETIME...SUBROUTINE	890661	B3	
CP=R ERROR LOG LIST/ANALYSIS (ELLA)...CP=V		708006	B1	DAYS SUBROUTINE = WORKDAYS...WORKING	706104	B3	
CP=R...INTERACTIVE GRAPHICS SYSTEM FOR		706505	B3	DC...CIRC=	705865	A1	
CP=R...ON-LINE EXERCISER SYSTEM FOR		708001	B1	DCB...PATCH	890783	B3	
CP=R)...CONTROL PROGRAM FOR REAL-TIME (		708000	B1	DCB'S...DISPLAY SET	890858	B3	
CP=V BASIC...		706101	B1	DCP)...DIAGNOSTIC CONTROL PROGRAM (	704070	B3	
CP=V FLAG...BPM/		705819	B1	DEBUG PACKAGE...INTERACTIVE DMS	890778	B3	
CP=V...CONTROL PROGRAM FIVE		707000	B1	DEBUG ROUTINE...	705658	B3	
CP=V...INTERACTIVE GRAPHICS SYSTEM FOR		706503	B3	DEBUG ROUTINE...SIMPLE	890979	B3	
CP=V...SORT PERFORMANCE JOB STREAM FOR		706495	B1	DEBUG ROUTINE=ON-LINE...	890311	B3	
CP=V/CP=R ERROR LOG LIST/ANALYSIS (ELLA)..		708006	B1	DEBUG SUBROUTINE...S/A GENERAL	704157	B3	
CPSA...CANONICAL ANALYSIS =		890450	B3	DECIMAL INSTRUCTION SIMULATOR (BCM VER.)..	704364	B3	
CPU DIAGNOSTIC (AUTO)...		706133	B1	DECIMAL INSTRUCTION SIMULATOR (S/A VERS)..	704150	B3	
CPU DIAGNOSTIC (DECIMAL)...		706136	B1	DECIMAL...ECD ENGLISH CODED	890736	B3	
CPU DIAGNOSTIC (FLOAT)...		706135	B1	DECIMAL)...CPU DIAGNOSTIC (	706136	B1	
CPU DIAGNOSTIC (SUFFIX)...		706134	B1	DECIMAL)...CPU DIAGNOSTIC SYSTEM (	704047	B3	
CPU DIAGNOSTIC (SUFFIX)...SIGMA 5		704174	B3	DECLARE TEMPORARY FILES...	890816	B3	
CPU DIAGNOSTIC = AUTO...		704287	B3	DECM DIAGNOSTIC PROGRAM...	730024	B1	
CPU DIAGNOSTIC SYSTEM (AUTO)...		704044	B3	DEDUCTION REGISTER...	890569	B3	
CPU DIAGNOSTIC SYSTEM (DECIMAL)...		704047	B3	DEDUCTION REGISTER...SPECIAL	890571	B3	
CPU DIAGNOSTIC SYSTEM (FLOAT)...		704046	B3	DELETE RAD FILE PROGRAM...	890588	B3	
CPU DIAGNOSTIC SYSTEM (MAP)...		704048	B3	DELETE STANDARD...	890768	B3	
CPU DIAGNOSTIC SYSTEM (PATTERN)...		704043	B3	DELREC...C0B0L SUBROUTINE	890600	B3	
CPU DIAGNOSTIC SYSTEM (SUFFIX)...		704045	B3	DEMAND PAGED FORTRAN ARRAYS...	890881	B3	
CPU DIAGNOSTIC SYSTEM (VERIFY)...		704042	B3	DEPARTMENT NUMBER...INSERT	890572	B3	
CPU EXERCISER...MARTIN=CAGE SIGMA 7		704965	B3	DEQ SUBROUTINE...C0B0L ENQ/	891054	B3	
CPU HARD CORE PREP (HCP)...		706264	B1	DESIGN ANALYSIS...A*B*C =	890435	B3	
CPU LEADER DDC....FORMAT CONVERTER =		704029	B3	DESIGNS...ANOVA = GENERAL BALANCE	890439	B3	

PROGRAM AVAILABILITY LIST

KEY	TITLE	CAT.NO	CL	KEY	TITLE	CAT.NO	CL
DESK CALC...	F0CAL, FORTRAN-CALCULATOR/	890312	B3	DIAGNOSTIC PROGRAM...	7922 SIU	704214	B3
DETAB/65	PREPROCESSOR...	890702	B3	DIAGNOSTIC PROGRAM...	7923/28/29 SIU	705392	B3
DETECTION (AID)...	AUTOMATIC INTERACTION	890447	B3	DIAGNOSTIC SYSTEM (AUTO)...	CPU	704044	B3
DFAC...	FACTORIAL FUNCTIONS FAC AND	890735	B3	DIAGNOSTIC SYSTEM (DECIMAL)...	CPU	704047	B3
DIAG...	STANFORD DMS10 DIRECT TO MEMORY	705295	B3	DIAGNOSTIC SYSTEM (FLOAT)...	CPU	704046	B3
DIAG...	XEROX 550/560 RAD6	730026	B1	DIAGNOSTIC SYSTEM (MAP)...	CPU	704048	B3
DIAG-SUPI...	SYS UNIT/PROCS INTRFACE UNIT	730009	B1	DIAGNOSTIC SYSTEM (PATTERN)...	CPU	704043	B3
DIAGNOSTIC	PROGRAM...7930/7931/7935 SIU	704211	B3	DIAGNOSTIC SYSTEM (SUFFIX)...	CPU	704045	B3
DIAGNOSTIC	(AUTO)...	CPU	706133	DIAGNOSTIC SYSTEM (VERIFY)...	CPU	704042	B3
DIAGNOSTIC	(DECIMAL)...	CPU	706136	DIAGNOSTIC SYSTEM PROGRAM...	32-BIT EDIT	730014	B1
DIAGNOSTIC	(FLOAT)...	CPU	706135	DIAGNOSTIC UTILITY...	PANAVIA	706439	B3
DIAGNOSTIC	(ID)...	INTERRUPT	704143	DIAGNOSTIC...	ARGONNE HI-LEVEL ANALOG INPUT	705868	B3
DIAGNOSTIC	(MEDIC 75)...	MEMORY	704067	DIAGNOSTIC...	ARGONNE LO-LEVEL ANALOG INPUT	705867	B3
DIAGNOSTIC	(MIOP)...	MULTIPLEX IOP	704057	DIAGNOSTIC...	CHANNEL INTERFACE UNIT TEST	705279	B1
DIAGNOSTIC	(MS)...	SIOP	705722	DIAGNOSTIC...	DATA-SET CONTROLLER	704013	B1
DIAGNOSTIC	(SUFFIX)...	CPU	706134	DIAGNOSTIC...	DIRECT TO MEMORY SYSTEM	705303	B1
DIAGNOSTIC	(SUFFIX)...	SIGMA 5 CPU	704174	DIAGNOSTIC...	INTERRUPT/TRAP	706137	B1
DIAGNOSTIC	(SYSX)...	SYSTEM EXERCISER	730010	DIAGNOSTIC...	KEYBOARD DISPLAY	704004	B3
DIAGNOSTIC	- AUTO...	CPU	704287	DIAGNOSTIC...	MEDIUM SPEED MAGNETIC TAPE	733016	B1
DIAGNOSTIC	- AUTO...	INSTRUCTION	730000	DIAGNOSTIC...	MEMORY PROTECT	704062	B3
DIAGNOSTIC	- COMET...	MEMORY	706140	DIAGNOSTIC...	ONS LINE PRINTER	706473	B1
DIAGNOSTIC	- COM16...	MEMORY	706295	DIAGNOSTIC...	PANAVIA TMS09A	706442	B3
DIAGNOSTIC	- FADS...	INSTRUCTION	730002	DIAGNOSTIC...	PERIPHERAL SWITCHING EQUIP.	704314	B1
DIAGNOSTIC	- SUFFIX...	INSTRUCTION	730001	DIAGNOSTIC...	POWER FAIL SAFE	706142	B1
DIAGNOSTIC	CONTROL PR0G...	STAND-ALONE 0CP	706472	DIAGNOSTIC...	REMOVABLE DISK CONTROLLER	730034	B1
DIAGNOSTIC	CONTROL PROGRAM (DCP)...		704070	DIAGNOSTIC...	ROTATING MEMORY CONTROLLER	730033	B1
DIAGNOSTIC	DEMO...	F0RTRAN IV RUN-TIME	705391	DIAGNOSTIC...	SOFTWARE HARDWARE (SHC)	733008	B1
DIAGNOSTIC	F0R MDC MODIFIED 7580...		705774	DIAGNOSTIC...	SYSTEM KEYBOARD DISPLAY (SKD)	706236	B3
DIAGNOSTIC	MONITOR...	GUIDE	706131	DIAGNOSTIC...	TAPE MOTION - TIME CONTROL	706440	B3
DIAGNOSTIC	PR0G. SYS...	LOAD-AND-G0 (LAG)	730013	DIAGNOSTIC...	VARIAN MULTISTYLUS	706438	B3
DIAGNOSTIC	PR0G...	SYSTEM CONTROL CONSOLE	730029	DIAGNOSTIC...	XEROX 32 BIT CR/CP	733031	B1
DIAGNOSTIC	PROGRAM LOADER...	RELOCATABLE	704356	DIAGNOSTIC...	2230/2470 LINE PRINTER	706471	B3
DIAGNOSTIC	PROGRAM MAG TAPE LIBRARY...		706144	DIAGNOSTIC...	550/560 CARTRIDGE DISK	733027	B1
DIAGNOSTIC	PROGRAM MAGNETIC TAPE LIBRARY..	705692	B1	DIAGNOSTIC...	7580 GRAPHIC DISPLAY	705387	B1
DIAGNOSTIC	PROGRAM MAGNETIC TAPE LIBRARY..	730025	B1	DIAGNOSTIC...	7902 EDSC	706173	B3
DIAGNOSTIC	PROGRAM MONITOR (DPM)...	705682	B1	DIAGNOSTIC...	7915/ADS 10	706145	B3
DIAGNOSTIC	PROGRAM SYSTEM MONITOR...	730012	B1	DIAGNOSTIC...	FAULT LOCATOR...MEMORY	705736	B3
DIAGNOSTIC	PROGRAM WITH HANDLERS...CCS-20	705358	B3	DIAGNOSTICS	DEMO...F0RTRAN IV ALLOCATION	705762	B3
DIAGNOSTIC	PROGRAM...ADS-10 ANALOG SIU	705887	B3	DIAL	DIAGNOSTIC PROGRAM...AUTO	704074	B1
DIAGNOSTIC	PROGRAM...AUTO DIAL	704074	B1	DIGITAL I/O UNIT...	HANDLER F0R 7930/7931	705861	B3
DIAGNOSTIC	PROGRAM...BADGE READER	705663	B3	DIGITAL SIMULATION PROGRAM...	ANALOG	890561	B3
DIAGNOSTIC	PROGRAM...BYTE INSTRUCTION	730023	B1	DIMENSION TRANSIENT HEAT TRANSFER...	THREE	890766	B3
DIAGNOSTIC	PROGRAM...DEC	730024	B1	DIRECT TO MEMORY DIAG...	STANFORD DMS10	705295	B3
DIAGNOSTIC	PROGRAM...DMS 12	706230	B3	DIRECT TO MEMORY SYSTEM DIAGNOSTIC...		705303	B1
DIAGNOSTIC	PROGRAM...INTERRUPT SYSTEM	730006	B1	DISC DUMP PROGRAM...		890616	B3
DIAGNOSTIC	PROGRAM...LINE PRINTER	730017	B1	DISC DUMP-UTIL...	STAND-ALONE MAG TAPE 0R	704780	B1
DIAGNOSTIC	PROGRAM...MAP	730004	B1	DISC DUMP/RESTORE/AUTO BOOT...	SYSTEM	890734	B3
DIAGNOSTIC	PROGRAM...MAP AND WRITE LOCK-	706138	B1	DISC SAVE-RESTORE ROUTINE-UTIL...	STD-ALONE	704781	B3
DIAGNOSTIC	PROGRAM...MEMORY	730003	B1	DISC STORAGE TEST...	REMOVABLE	705534	B1
DIAGNOSTIC	PROGRAM...MIOP	730005	B1	DISC...	F0RTRAN RANDOM	890759	B3
DIAGNOSTIC	PROGRAM...POWER FAIL=SAFE (PFS)	730022	B1	DISCRETE SIMULATION PACKAGE = SIMPAC...		890837	B3
DIAGNOSTIC	PROGRAM...SIGMA 5-9 CC32	705886	B3	DISCRETE SIMULATOR-GPDS...	GENERAL PURPOSE	706130	B1
DIAGNOSTIC	PROGRAM...TRAP	730021	B1	DISCRIMINANT ANALYSIS...	MULTIPLE	890475	B3
DIAGNOSTIC	PROGRAM...7907	706469	B3	DISK CONTROLLER DIAGNOSTIC...	REMOVABLE	730034	B1
DIAGNOSTIC	PROGRAM...7910/14/15 SIU	704236	B3	DISK DIAGNOSTIC...	550/560 CARTRIDGE	733027	B1

PROGRAM AVAILABILITY LIST

KEY	TITLE	CAT.NO	CL	KEY	TITLE	CAT.NO	CL
DISK STORAGE TEST...	REMOVABLE	706424	B3	ECD ENGLISH CODED DECIMAL...		890736	B3
DISK UTILITY...	ANS TAPE TO KEYED	891052	B3	EDIT DATA CARDS FOR ILLEG.PUNCHES & SEQ...		890458	B3
DISK...	COPY PROGRAM MAG TAPE TO	706443	B1	EDIT DIAGNOSTIC SYSTEM PROGRAM...32-BIT		730014	B1
DISPLAY (SKD) DIAGNOSTIC...	SYSTEM KEYBOARD	706236	B3	EDITOR (METAMEDIA)...	FILE	890531	B3
DISPLAY DIAGNOSTIC...	KEYBOARD	704004	B3	EDITOR = UTILITY...	MAGNETIC TAPE	704375	B1
DISPLAY DIAGNOSTIC...	7580 GRAPHIC	705387	B1	EDITOR = UTILITY...	S/A COMP/SOURCE UPDATE	704785	B3
DISPLAY FOR ON-LINE...	BATCH QUEUE	891066	B3	EDITOR ROUTN=UTIL...	MEDIA CONVERSION AND	704784	B1
DISPLAY LIBRARY (GDL)...	GRAPHIC	706129	B3	EDITOR...HIERARCHICAL TEXT		890612	B3
DISPLAY SET DCB'S...		890858	B3	EDITOR...RBM RAD		705734	B1
DISPLAY STATION PROCEDURAL HANDLER...	XEROX	706263	B3	EDITOR...STAND-ALONE RAD		890733	B3
DISPLAY TEST...	ARDS	706234	B3	EDMS CONVERSION UTILITY...DMS TO		706524	B3
DISPLAY TO PLOTTER COPY...	GRAPHIC	705852	B3	EDMS RESTRUCTURING PROCESSOR (DMSREST)...		706498	B3
DISTRIBUTION ANALYSIS...		890457	B3	EDSC DIAGNOSTIC...	7902	706173	B3
DISTRIBUTION LEDGER TRIAL BALANCE DP0215...		890592	B3	ELAPSED TIME SUBR FOR COBOL...	TIMER	890709	B3
DISTRIBUTION...PAYROLL		890568	B3	ELECTRONIC CIRCUIT ANALYSIS PROGRAM...	1620	890667	B3
DITTO = SIGMA UTILITY FILE MANIPULATOR...		890617	B3	ELLA)...CP-V/CP-R ERROR LOG LIST/ANALYSIS		708006	B1
DMS = DATA MANAGEMENT SYSTEM (BPM)...		705900	A1	ENGLISH CODED DECIMAL...ECD		890736	B3
DMS DEBUG PACKAGE...	INTERACTIVE	890778	B3	ENG/DEQ SUBROUTINE...COBOL		891054	B3
DMS TO EDMS CONVERSION UTILITY...		706524	B3	ENTITY SELECTION...		890459	B3
DMS 12 DIAGNOSTIC PROGRAM...		706230	B3	ENTRY AND RETRIEVAL SYS...ON LINE DOCU		890997	B3
DMS-12 DAC HANDLER...		706229	B3	ENTRY PACKAGE = FORM PAK...UTS FORM DATA		890820	B3
DMSREST)...EDMS RESTRUCTURING PROCESSOR (		706498	B3	ENTRY...HASP REMOVE JOB		890764	B3
DMS10 DIRECT TO MEMORY DIAG...STANFORD		705295	B3	EQUIP. DIAGNOSTIC...PERIPHERAL SWITCHING		704314	B1
DOC...FORMAT CONVERTER = CPU LOADER		704029	B3	EQUIPMENT TEST...COMPREHENSIVE CARD		706169	B1
DOCU ENTRY AND RETRIEVAL SYS...ON LINE		890997	B3	ERROR CHECK...PAYROLL		890565	B3
OPM)...DIAGNOSTIC PROGRAM MONITOR (		705682	B1	ERROR LOG LIST/ANALYSIS (ELLA)...CP-V/CP-R		708006	B1
DP0215...DISTRIBUTION LEDGER TRIAL BALANCE		890592	B3	ERROR LOG LISTER...RBM		706467	B3
DP0222)...MONTHLY BUDGET STATEMENTS (		890593	B3	EVENT MEASUREMENT PROC...GEM=1 GENERALIZED		705531	B3
DP0311)...GENERAL LEDGER TOTALS (		890594	B3	EXAMINER (FACE)...FREESTANDING CONSOLE		704786	B3
DP0316)...GENERAL LEDGER MONTHLY STATEMENT		890596	B3	EXCHANGER...BATGXCH = BATCH QUEUE		890928	B3
DP0512)...OUTSTANDING CHECK LISTING (		890597	B3	EXECUTE (LOPE) BPM...LOAD ONE PASS AND		705260	B1
DREV APL...		890716	B3	EXECUTION ANALYZER PROGRAM (EAP)...		890758	B3
DRIVER PACKAGE...PL0T		890387	B3	EXECUTIVE CROSS ASSEMBLER...HP RT		890982	B3
DUMP = UTILITY...KEYED CORE		705751	B3	EXECUTIVE LIBRARY...MBB HYBRID		705897	B3
DUMP = UTILITY...ONE CARD CORE		705750	B3	EXECUTIVE LIBRARY...WESTINGHOUSE HYBRID		705670	B3
DUMP = UTILITY...STAND-ALONE SELECTIVE		704779	B1	EXERCISER (SEX)...NEW SYSTEM		705889	B1
DUMP LOADER WITH I/O HANDLERS...S/A ABS		704155	B3	EXERCISER (SWAP 3.2)...STAND-ALONE SYSTEM		705680	B3
DUMP LOADER...BASIC BCM ABS		704146	B3	EXERCISER DIAGNOSTIC (SYSX)...SYSTEM		730010	B1
DUMP PROGRAM...DISC		890616	B3	EXERCISER SYSTEM FOR CP-R...ON-LINE		708001	B1
DUMP SUBROUTINE = UTILITY...MEMORY		704778	B1	EXERCISER...MARTIN-CAGE SIGMA 7 CPU		704965	B3
DUMP...FILE		890817	B3	EXERCISER...MULTI-PROCESSOR		705390	B3
DUMP...PRINT		705757	B3	EXPAND PROCESSOR...		890777	B3
DUMP-UTIL...STAND-ALONE MAG TAPE OR DISC		704780	B1	EXT. ANAL. OF VARIANCE...LINDQUIST TYPE		890445	B3
DUMP/LIST PROGRAM = UTILITY...		705426	B3	EXT. FORTRAN IV/IV-H LIBS. (BPM/BTM)...		705820	B1
DUMP/RESTORE/AUTO BOOT...SYSTEM DISC		890734	B3	EXTENDED ALGOL 60...		890750	B3
DUPLICATOR = USES 7160 PUNCH...CARD		890556	B3	EXTENDED F=IV...SYSTEM FORTCOMP FOR		705836	B1
EAP)...EXECUTION ANALYZER PROGRAM (		890758	B3	EXTENDED FORTRAN IV COMPILER...		705835	B1
EASY...XEROX UTS/		706433	B1	EXTENDED FORTRAN IV=H (BCM VERSION)...		705850	B3
EATER...SOLE: SIGMA OBJECT LANGUAGE		890940	B3	EXTENDED FORTRAN IV=H (BPM,BTM)...		705851	B1
EBCDIC BINARY FILE BUILD...TRANSMOG=		706201	B3	EXTENDED FORTRAN IV=H (RBM VERSION)...		705776	B1
EBCDIC CONVERSION SUBR...FORTRAN IV BCD=		890324	B3	EXTENDED FORTRAN IV/IV-H COMPRESSED LIB...		705001	B1
EBCDIC INPUT ROUTINE...FREE-FIELD		890549	B3	EXTENDED FORTRAN IV/IV-H LIB. (RBM)...		705738	B1
EBCDIC OUTPUT ROUTINE...GENERALIZED		890550	B3	EXTENDED FORTRAN IV/IV-H LIBRARY (BCM)...		705821	B3
EBCDIC TRANSLATION TABLE...BCD/		704855	B1	EXTENDED...ANOVA = LINDQUIST TYPE III		890443	B3
EBCDIC-HEXDUMP MAG TAPE / RAD FILE...		890587	B3	EXTENDED...XEROX DATA MANAGEMENT SYSTEM =		706461	A1

PROGRAM AVAILABILITY LIST

KEY	TITLE	CAT.NO	CL	KEY	TITLE	CAT.NO	CL
EXTENSION...	FACTOR	890466	B3	FLASH = TAPE TO PRINT UTILITY...		890938	B3
EXTRA CORE FOR FORTRAN PROGRAMS...	XCORE =	890737	B3	FLOAT)...CPU DIAGNOSTIC (		706135	B1
EXTRACT PAYROLL 5 CARDS...		890570	B3	FLOAT)...CPU DIAGNOSTIC SYSTEM (		704046	B3
EXTRACT WAGE CARDS...		890567	B3	FLOATING POINT INST. SIMULATOR (BCM VER)...		704363	B3
FAC AND DFAC...	FACTORIAL FUNCTIONS	890735	B3	FLOATING POINT INST. SIMULATOR (S/A VERS..		704149	B3
FACE)...FREESTANDING CONSOLE EXAMINER (		704786	B3	FLOPLOT - A UTS FLOWCHARTING PROGRAM...		890763	B3
FACILITY...GORDO TIME SHARED GRAPHICS		890533	B3	FLOWCHARTING PROGRAM...FLOPLOT = A UTS		890763	B3
FACTOR ANALYSIS (PRINCIPLE COMPONENTS)...		890460	B3	FMPS)...FUNCTIONAL MATHEMATICAL PROG SYS (		705831	A1
FACTOR ANALYSIS WITH ROTATION...		890465	B3	FOCAL, FORTRAN-CALCULATOR, DESK CALC...		890312	B3
FACTOR EXTENSION...		890466	B3	FORM DATA ENTRY PACKAGE = FORM PAK...UTS		890820	B3
FACTOR HYPOTHESIS TESTING...		890467	B3	FORM PAK...UTS FORM DATA ENTRY PACKAGE =		890820	B3
FACTOR RELATING...		890468	B3	FORM...		890701	B3
FACTOR ROTATION...		890469	B3	FORMAT CONVERTER = CPU LOADER DOC....		704029	B3
FACTOR SCORING...		890470	B3	FORMATTED TAPE FILES...SORT 1400 SIMULATOR		705882	B3
FACTORIAL FUNCTIONS FAC AND DFAC...		890735	B3	FORMS PROCESSOR...PRINT		890215	B3
FADS...INSTRUCTION DIAGNOSTIC =		730002	B1	FORT II=FORT IVH...FORTRAN PRECOMPILER		890708	B3
FAIL SAFE DIAGNOSTIC...POWER		706142	B1	FORT IVH...FORTRAN PRECOMPILER FORT II=		890708	B3
FAIL SAFE TEST...POWER		704122	B3	FORT-SYMBOL INTERFACE ROUTINES...SPECIAL		705896	B3
FAIL=SAFE (PFS) DIAGNOSTIC PROGRAM...POWER		730022	B1	FORTCOMP FOR EXTENDED F-IV...SYSTEM		705836	B1
FAST FPURGE RESTORE = BPM...		890810	B3	FORTCOMP PROCEDURES...SYSTEM		705360	B1
FAST SAVE...BPM/BTM		706296	B1	FORTIV-SCATTER READ/WRITE MAG TAPE PACK...		890589	B3
FAULT LOCATOR...MEMORY DIAGNOSTIC=		705736	B3	FORTLIB...SYSTEM		705361	B1
FIELD EBCDIC INPUT ROUTINE...FREE=		890549	B3	FPURGE RESTORE = BPM...FAST		890210	B3
FIELD FORTRAN IV INPUT SUBROUTINE...FREE		890322	B3	FRAN...		890916	B3
FILE BLOCKING/UNBLOCKING ROUTINE...BLOCKER		890955	B3	FREEFORM...		890700	B3
FILE BUILD...TRANSMOG= EBCDIC BINARY		706201	B3	FREESTANDING CONSOLE EXAMINER (FACE)...		704786	B3
FILE COMPARISON PROGRAM...SCOMPARE=SOURCE		890956	B3	FREQUENCY CONTROL UNIT...HANDLER FOR 7969		705860	B3
FILE CONVERTER...IBM-XEROX APL		890832	B3	FRIEDMAN TWO-WAY ANALYSIS...		890429	B3
FILE COPY AND VER(CARD,PUT,MT)=UTIL....S/A		704782	B3	FUNCTION TABLE PROCESSOR...		890808	B3
FILE DUMP...		890817	B3	FUNCTIONAL MATHEMATICAL PROG SYS (FMPS)...		705831	A1
FILE EDITOR (METAMEDIA)...		890531	B3	FUNCTIONS FAC AND DFAC...FACTORIAL		890735	B3
FILE GENERATOR (TGEN)...TEST		706247	B1	FUNCTIONS FOR SIGMA 7...INTEGER BOOLEAN		890327	B3
FILE I/O ROUTINES...FORTRAN IV KEYED		890323	B3	FUR = FILE UPDATE ROUTINE...		890785	B3
FILE MANAGE PROCESSOR-TFM...TAPE		706122	B3	GAME...BUSINESS POLICY		890558	B3
FILE MANIPULATOR...DITTO = SIGMA UTILITY		890617	B3	GAMES PROGRAMS...BTM DEMO =		890666	B3
FILE PROCESSING...		890471	B3	GAMMA 3 MATRIX-GENERATOR REPORT WRITER...		705832	A1
FILE PROGRAM...DELETE RAD		890588	B3	GASP II SIMULATION PACKAGE...BPM/3		890560	B3
FILE PURGE...		705782	B1	GASP II...BTM/3		890559	B3
FILE RETRIEVAL PROGRAM...TAPE		890796	B3	GDL)...GRAPHIC DISPLAY LIBRARY (		706129	B3
FILE UPDATE PROGRAM = ROMUP...ROM TAPE		890826	B3	GEFORT...		890699	B3
FILE UPDATE ROUTINE...FUR =		890785	B3	GEM-1 GENERALIZED EVENT MEASUREMENT PROC..		705531	B3
FILE UTILITY SUBROUTINES...COBOL KEYED=		890598	B3	GENERAL BALANCE DESIGNS...ANOVA =		890439	B3
FILE...EBCDIC-HEXDUMP MAG TAPE / RAD		890587	B3	GENERAL DEBUG SUBROUTINE...S/A		704157	B3
FILE...GRAPHIC VECTOR		890872	B3	GENERAL I/O PACKAGE = GETPUT...		890698	B3
FILE...CONTROL CARD		890843	B3	GENERAL LEDGER MONTHLY STATEMENT (DP0316..		890596	B3
FILES (RELFILES)...COBOL RELEASE		890599	B3	GENERAL LEDGER PROOF...		890595	B3
FILES FOR FORTRAN IV...KEYED/RANDOM		890757	B3	GENERAL LEDGER SYSTEM (COVER)...		890591	B3
FILES IN/OUT...RAD		890614	B3	GENERAL LEDGER TOTALS (DP0311)...		890594	B3
FILES...DECLARE TEMPORARY		890816	B3	GENERAL PAYROLL REGISTER...		890564	B3
FILES...MULTISORT = SORT MULTIPLE INPUT		705881	B3	GENERAL PURPOSE DISCRETE SIMULATOR-GPDS...		706130	A1
FILES...SORT 1400 SIMULATOR FORMATTED TAPE		705882	B3	GENERALIZED ANALYSIS OF VARIANCE...ANOVA =		890440	B3
FITTING...INTERACTIVE LEAST SQUARES CURVE		890865	B3	GENERALIZED EBCDIC OUTPUT ROUTINE...		890550	B3
FITTING...POLYNOMIAL CURVE		890835	B3	GENERALIZED EVENT MEASUREMENT PROC...GEM-1		705531	B3
FIVE CP-V...CONTROL PROGRAM		707000	B1	GENERALIZED TERMINAL HANDLER...		706520	B3
FLAG...BPM/CP-V		705819	B1	GENERATE PAPER TAPE UTILITY...		706499	B3

## PROGRAM AVAILABILITY LIST

KEY	TITLE	CAT.NO	CL	KEY	TITLE	CAT.NO	CL
GENERATE PAYROLL TIME REPORTS...		890573	B3	HANDLER FOR 7915/ADS=10 AIC...		705864	B3
GENERATION ROUTINE...SIGMA 5-9 PARAMETER		706507	B3	HANDLER FOR 7930/7931 DIGITAL I/O UNIT...		705861	B3
GENERATOR (RPG)...XEROX REPORT PROGRAM		706419	B1	HANDLER FOR 7969 FREQUENCY CONTROL UNIT...		705860	B3
GENERATOR (TEXTAR)...BASIC TEXT ARRAY		706111	B3	HANDLER...CONTACT CLOSURE		706227	B3
GENERATOR (TGEN)...TEST FILE		706247	B1	HANDLER...DMS=12 DAC		706229	B3
GENERATOR BY PLOTTER...PHORMER = DATAFORM		890534	B3	HANDLER...GENERALIZED TERMINAL		706520	B3
GENERATOR REPORT WRITER...GAMMA 3 MATRIX=		705832	A1	HANDLER...MOTHER-OPERATOR CONSOLE TAPE		890703	B3
GENERATOR...BATCH MONITOR CROSS REFERENCE		890147	B3	HANDLER...NASA/BALL MODEL XPS=95		705818	B3
GENERATOR...RELIABILITY PREDICTION REPORT		706456	B3	HANDLER...PLOTTER		890739	B3
GENERATOR...STAND-ALONE REGISTER SAVE		704444	B1	HANDLER...RBM MOC		706113	B3
GENERATOR...5-9,550/560 CHAR ROM MATRIX		706517	B3	HANDLER...SIU 7923		705854	B3
GETCOM...COBOL SUBROUTINE		890601	B3	HANDLER...XEROX DISPLAY STATION PROCEDURAL		706263	B3
GETFILE...		890546	B3	HANDLER...7 TRACK MAGNETIC TAPE I/O		704851	B1
GETKEY...COBOL SUBROUTINE		890602	B3	HANDLER...7929 AND 7935 SIU		706143	B3
GETPUT...GENERAL I/O PACKAGE =		890698	B3	HANDLERS...CCS=20 DIAGNOSTIC PROGRAM WITH		705358	B3
GHOST...BATCH QUEUE CHECKING		891067	B3	HANDLERS...S/A ABS DUMP LOADER WITH I/O		704155	B3
GC (LAG) DIAGNOSTIC PROG, SYS....LOAD=AND=		730013	B1	HANDLERS...STAND-ALONE LOADER WITH I/O		704142	B1
GORDAN SUBROUTINE...CLEBSCH=		890870	B3	HARD CORE PREP (HCP)...CPU		706264	B1
GORDO TIME SHARED GRAPHICS FACILITY...		890533	B3	HARDWARE (SHC) DIAGNOSTIC...SOFTWARE		730008	B1
GERD0) = XPL COMPILER...XPL (		890799	B3	HASP REMOTE JOB ENTRY...		890764	B3
GPDS...GENERAL PURPOSE DISCRETE SIMULATOR=		706130	A1	HCP)...CPU HARD CORE PREP (		706264	B1
GRADPACK...		890966	B3	HEAT TRANSFER...THREE DIMENSION TRANSIENT		890766	B3
GRAN...		890930	B3	HEXDUMP MAG TAPE / RAD FILE...EBCDIC=		890587	B3
GRAPH PLOTTER TEST...		704050	B1	HI-LEVEL ANALOG INPUT DIAGNOSTIC...ARGONNE		705868	B3
GRAPHER...		890804	B3	HIERARCHICAL GROUPING...CLUSTER ANALYSIS :		890472	B3
GRAPHIC DISPLAY DIAGNOSTIC...7580		705387	B1	HIERARCHICAL TEXT EDITOR...		890612	B3
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HANDLER FOR L0LP...STAND-ALONE I/O		704165	B3	INITIALIZATION...STAND-ALONE I/O		704853	B3
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HANDLER FOR SIMT...STAND-ALONE I/O		704169	B3	INPUT SUBROUTINE...FREE FIELD FORTRAN IV		890322	B3
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INST. SIMULATOR (S/A VERS)...	FLOATING POINT	704149 B3	KENDALL COEFFICIENT OF CONCURRENCE...		890430 B3
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INSTRUCTION DIAGNOSTIC = AUTO...		730000 B1	KEYBOARD PRINTER TEST (ASR/KSR)...		705651 B1
INSTRUCTION DIAGNOSTIC = FADS...		730002 B1	KEYED CORE DUMP = UTILITY...		705751 B3
INSTRUCTION DIAGNOSTIC = SUFFIX...		730001 B1	KEYED DISK UTILITY...ANS TAPE TO		891052 B3
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INSTRUCTION SIMULATOR (S/A)...	BYTE-STRING	704151 B3	KSR)...KEYBOARD PRINTER TEST (ASR/		705651 B1
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INTERACTIVE CROSS TABULATION...		890841 B3	LAG) DIAGNOSTIC PROG. SYS...LOAD-AND-GØ (		730013 B1
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IØP TEST...HIGH-SPEED RAD		706200 B1	LISP 1.5-LANGUAGE FOR LIST PROCESSING...		890366 B3
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JANUS TIMESHARING SYSTEM...		890532 B3	LIST PROCESSØR (32K)...SYMMETRIC		890144 B3
JØB ENTRY...HASP REMØTE		890764 B3	LIST PROGRAM = UTILITY...DUMP/		705426 B3
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KEY	TITLE	CAT.NØ	CL	KEY	TITLE	CAT.NØ	CL
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LISTER USING SIG 5/7 (STAND=ALONE)...CARD		890554	B3	MAGNETIC TAPE TEST...7 CHANNEL		705735	B1
LISTER...BATCH STREAM CARD		890714	B3	MAGNETIC TAPE TEST...9 CHANNEL		705542	B1
LISTER...RBM ERROR LOG		706467	B3	MAGNETIC TAPES...BASIC SOFTWARE		704357	B3
LISTER...1200		890953	B3	MAINTENANCE SUBCONTROLLER SELF-TEST...		705723	B3
LISTING (DP0512)...OUTSTANDING CHECK		890597	B3	MAINTENANCE SUBCONTROLLER...MIØP WITH		705721	B3
LISTING MAG TAPE...UTILITY SOURCE=		704397	B1	MANAGE AND TERMINAL ORIENTED MANAGE...		705783	A1
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LOADER...MAGNETIC TAPE LIBRARY		706410	B1	MAP AND WRITE LOCK-DIAGNOSTIC PROGRAM...		706138	B1
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LOADER...SCU LINKING		706489	B3	MAP)...CPU DIAGNOSTIC SYSTEM (		704048	B3
LOADER...STAND=ALONE SYSTEM		704162	B1	MARTIN=CAGE SIGMA 7 CPU EXERCISER...		704965	B3
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LØNØ...STAND=ALONE I/O HANDLER FØR		704164	B3	MEDIC 75)...MEMORY DIAGNOSTIC (		704067	B3
(LØPE) BPM...LOAD ONE PASS AND EXECUTE (		705260	B1	MEDICAL HISTORY PROGRAM...AUTOMATED		890724	B3
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MAG TAPE/RAD CØPY PRØGRAM = UTILITY...		705423	B3	MEMORY TEST PRØGRAM = RMC...RØTATING		706249	B1
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MSP...		890933	B3	PANAVIA CART...		706441	B3
MT)=UTIL...S/A FILE COPY AND VER(CARD,PUT,		704782	B3	PANAVIA DIAGNOSTIC UTILITY...		706439	B3
MULTI TAPE COPY)...SMUT = (SIGMA 5/6/7		705869	B3	PANAVIA TMS09A DIAGNOSTIC...		706442	B3
MULTI-PROCESSOR EXERCISER...		705390	B3	PAPER TAPE COPY & VERIFY PROGRAM-UTILITY...		704422	B1
MULTIPLE CLASSIFICATION ANALYSIS...		890474	B3	PAPER TAPE READ PROGRAM = TRANSLT...		890833	B3
MULTIPLE DISCRIMINANT ANALYSIS...		890475	B3	PAPER TAPE READER/PUNCH TEST...		704069	B1
MULTIPLE INPUT FILES...MULTSORT = SORT		705881	B3	PAPER TAPE UTILITY...GENERATE		706499	B3
MULTIPLE LINEAR REGRESSION...INTERACTIVE		890836	B3	PAPERCHG...COBOL SUBROUTINE		890605	B3
MULTIPLE REGRESSION ANALYSIS...		890476	B3	PARAMETER GENERATION ROUTINE...SIGMA 5-9		706507	B3
MULTIPLE REGRESSION ANALYSIS...INTERACTIVE		890866	B3	PARTIAL CORRELATIONS...		890428	B3
MULTIPLE REGRESSION ANALYSIS, STEPWISE...		890477	B3	PARTIAL WORD MANIPULATION OR TEST...		890662	B3
MULTIPLE TAPE COPY PROCESSOR...		706128	B1	PASS AND EXECUTE (LOPE) BPM...LOAD ONE		705260	B1
MULTIPLEX IOB DIAGNOSTIC (MIOB)...		704057	B3	PATCH DCB...		890783	B3
MULTISTYLUS DIAGNOSTIC...VARIAN		706438	B3	PATH...INTERACTIVE CRITICAL		890834	B3

PROGRAM AVAILABILITY LIST

KEY	TITLE	CAT.NØ CL	KEY	TITLE	CAT.NØ CL
PATTERN CARD DECK...	JT=14 PET UNIT TEST	704427 B3	POSTPROCESSOR...	APT3 (LEVEL 3) LATHE	891000 B3
PATTERN)...	CPU DIAGNOSTIC SYSTEM (	704043 B3	POTTER LINE PRINTER TEST PRØG...	192 CHAR	705428 B3
PAYRØLL CHECKS...		890566 B3	POWER FAIL SAFE DIAGNOSTIC...		706142 B1
PAYRØLL DISTRIBUTION...		890568 B3	POWER FAIL SAFE TEST...		704122 B3
PAYRØLL ERROR CHECK...		890565 B3	POWER FAIL=SAFE (PFS) DIAGNOSTIC PROGRAM...		730022 B1
PAYRØLL PROOF TEST...		890577 B3	PRECØMPILER FØRT II=FØRT IVH...	FØRTRAN	890708 B3
PAYRØLL QUARTERLY PROOF AND LOCAL TAX...		890575 B3	PREDICTION CALCULATION...	RELIABILITY	706455 B3
PAYRØLL REGISTER...	GENERAL	890564 B3	PREDICTION CREATE/UPDATE...	RELIABILITY	706454 B3
PAYRØLL SYSTEM...		890562 B3	PREDICTION REPORT GENERATOR...	RELIABILITY	706456 B3
PAYRØLL TIME REPORTS...	GENERATE	890573 B3	PREP (HCP)...	CPU HARD CORE	706264 B1
PAYRØLL TOTALS CONFIRMATION...		890563 B3	PREPROCESSOR...	DETAB/65	890702 B3
PAYRØLL 5 CARDS...	EXTRACT	890570 B3	PREREGISTRATION PRØG...	SØP=STUDENT ONLINE	890581 B3
PBX11 TELEMETRY SYSTEM...		706125 B3	PRINCIPLE COMPONENTS)...	FACTOR ANALYSIS (	890460 B3
PCK (S/A VERS)...	UNIMPLEMENTED INST. SIM.	704148 B3	PRINT DUMP...		705757 B3
PCKG. BCM VERS...	UNIMPLEMENTED INST. SIM.	704362 B3	PRINT FØRMS PROCESSOR...		890815 B3
PCL (PERIPHERAL CONV. LANGUAGE)...	BPM/BTM	706206 B1	PRINT LABELED TAPE...		705878 B1
PCM DATA ACQUISITION PROGRAM...		705656 B3	PRINT UTILITY...	FLASH = TAPE TØ	890938 B3
PCM TELEMETRY COMPILER...	SSS-SAS	705655 B3	PRINT...SNEAK=ØN MEMORY		705775 B3
PCM TEST...ØSØ		706204 B3	PRINT/CØPY UTILITY = ATACK...		706119 B3
PCM TEST...RADIATION		706203 B3	PRINTER DIAGNOSTIC PROGRAM...	LINE	730017 B1
PDN + ADC ACCEPTANCE TESTS FØR LTV...	PAM=	705367 B3	PRINTER DIAGNOSTIC...NS LINE		706473 B1
PERFØRMANCE JØB STREAM FØR CP=V...	SØRT	706495 B1	PRINTER DIAGNOSTIC...2230/2470 LINE		706471 B3
PERIPHERAL CONV. LANGUAGE)...	BPM/BTM PCL (	706206 B1	PRINTER ØR TYPEWRITER...	MESSAGE WRITER FØR	890383 B3
PERIPHERAL SWITCHING EQUIP, DIAGNOSTIC...		704314 B1	PRINTER PLOT SUBRØUTINE...		890713 B3
PERSPECTIVE PLOT...		890590 B3	PRINTER PLOT SUBRØUTINE...LINE		705380 B3
PET UNIT TEST PATTERN CARD DECK...	JT=14	704427 B3	PRINTER TEST (ASR/KSR)...	KEYBOARD	705651 B1
PFS) DIAGNOSTIC PROGRAM...	POWER FAIL=SAFE	730022 B1	PRINTER TEST PRØG...	192 CHAR POTTER LINE	705428 B3
PHØRMER = DATAFØRM GENERATOR BY PLOTTER...		890534 B3	PRINTER TEST PROGRAM...	OPTICAL CHARACTER	706411 B3
PLANT SECURITY CONTROL PACKAGE...		706508 B3	PRINTER TEST...CØMPREHENSIVE LINE		706167 B1
PLEASE...		890986 B3	PRINTER TEST...96=CHARACTER ANALEX LINE		705731 B1
PLOT DRIVER PACKAGE...		890387 B3	PROBLEM SØLVING WORKSPACES...	APL MGMT	891068 B3
PLOT SUBRØUTINE...LINE PLOTTER		890676 B3	PROCEDURAL HANDLER...XERØX DISPLAY STATION		706263 B3
PLOT SUBRØUTINE...LINE PRINTER		705380 B3	PROCEDURE DECK FØR SCU...	META=SYMBOL	706450 B3
PLOT SUBRØUTINE...PRINTER		890713 B3	PROCEDURES = SYSTEM BPM...	BPM USER	704768 B1
PLOT...PERSPECTIVE		890590 B3	PROCEDURES FØR ASSEMBLY OF SIGMA 2 PRØG...		890615 B3
PLOT)...CALCØMP PLOTTING SUBRØUTINE (		704060 B3	PROCEDURES...CATALØG		890818 B3
PLOTTER COPY...GRAPHIC DISPLAY TØ		705852 B3	PROCEDURES...DATADEF SYSTEMS PROGRAMMING		705673 B1
PLOTTER HANDLER...		890739 B3	PROCEDURES...SYSTEM FØRTCØMP		705360 B1
PLOTTER LABELLING SUBR (LABEL)...	CALCØMP	704061 B3	PROCESSING...FILE		890471 B3
PLOTTER PLOT SUBRØUTINE...LINE		890676 B3	PROCESSING...LISP 1.5=LANGUAGE FØR LIST		890366 B3
PLOTTER SUBRØUTINE PACKAGE...CALCØMP		890732 B3	PROCESSOR (DMSREST)...	EDMS RESTRUCTURING	706498 B3
PLOTTER TEST...GRAPH		704050 B1	PROCESSOR (IDP)...	INTERACTIVE DATABASE	706466 B1
PLOTTER...PHØRMER = DATAFØRM GENERATOR BY		890534 B3	PROCESSOR (ØVER 32K)...	SYMMETRIC LIST	890145 B3
PLOTTER...SYMBOL LAB. RØUTINE FØR CALCØMP		890388 B3	PROCESSOR (32K)...	SYMMETRIC LIST	890144 B3
PLOTTING PACKAGE NØNLABELING...BTM		890707 B3	PROCESSOR EXERCISER...MULTI=		705390 B3
PLOTTING PACKAGE...CALCØMP		890738 B3	PROCESSOR WITH SHELL SØRT...MAP		890752 B3
PLOTTING PACKAGE...7530/7531		705657 B3	PROCESSOR...CONTROL MESSAGE		704124 B1
PLOTTING PROGRAM...INTERACTIVE		890840 B3	PROCESSOR...CP=R COPY		890993 B3
PLOTTING SUBRØUTINE (PLOT)...	CALCØMP	704060 B3	PROCESSOR...EXPAND		890777 B3
PØLICY GAME...BUSINESS		890558 B3	PROCESSOR...FUNCTION TABLE		890808 B3
PØLYNOMIAL CURVE FITTING...		890835 B3	PROCESSOR...MULTIPLE TAPE COPY		706128 B1
PØRT TEST CØ1...		706271 B1	PROCESSOR...PRINT FØRMS		890815 B3
POSITION TAPE PROGRAM (PØST)...		705425 B3	PROCESSOR...QUERY SCHEMA		890779 B3
POSITION TAPE PROGRAM FØR 7T/9T...		890728 B3	PROCESSOR...RØM COPY		890794 B3
PØST)...	POSITION TAPE PROGRAM (	705425 B3	PROCESSOR...XERØX 550/560 RØTATING MEMORY		730028 B1

## PROGRAM AVAILABILITY LIST

SIGMA 5-9/550/560  
KWIC INDEX

KEY	TITLE	CAT.NO CL	KEY	TITLE	CAT.NO CL
PROCESSOR-TFM...	TAPE FILE MANAGE	706122 B3	READ PROGRAM = TRANSLT...	PAPER TAPE	890833 B3
PROCR...	SIGMA ACCOUNTING SYSTEM SUMMARY	705689 B3	READ/WRITE MAG TAPE PACK...	FORTIV-SCATTER	890589 B3
PROCS	INTRFACE UNIT DIAG-SUPI...	730009 B1	READINESS TEST (CART)...	CHECK OUT AID AND	705668 B3
PROCUREMENT	STATUS (APS) SYS...	890895 B3	READINESS...	CART=3 CHECK-OUT AID	706205 B3
PRODUCT	MOMENT / 200=300 VARIABLES...	890452 B3	RECOMMENDED SPARES...		706457 B3
PRODUCT	MOMENT...CORRELATIONS:	890451 B3	RECORD...	CREATE QUARTERLY REPORT	890574 B3
PRGAM...	BLDNAME = S-O-P STUDENT NAME	890583 B3	RECORDING AND TIMING SYSTEM...	ATP FOR DATA	705675 B3
PROGRAMMING	CODE...SIGMA 5/7 MFOR LINEAR	890146 B3	REFERENCE GENERATOR...	BATCH MONITOR CROSS	890147 B3
PROGRAMMING	LANGUAGE...STRUCTURED	706521 B3	REFERENCE PROGRAM...	FORTAN CROSS	890545 B3
PROGRAMMING	PROCEDURES...DATADEF SYSTEMS	705673 B1	REFERENCE SYMBOL LISTING PRG...	CROSS	890157 B3
PROGRAMS...	BTM DEMO = GAMES	890666 B3	REGISTER SAVE GENERATOR...	STAND-ALONE	704444 B1
PROGRAMS...	XCORE = EXTRA CORE FOR FORTRAN	890737 B3	REGISTER...	DEDUCTION	890569 B3
PROJECT	MANAGEMENT SYSTEM (SPMS)...	890718 B3	REGISTER...	GENERAL PAYROLL	890564 B3
PROOF	AND LOCAL TAX...PAYROLL QUARTERLY	890575 B3	REGISTER...	SPECIAL DEDUCTION	890571 B3
PROOF	TEST...PAYROLL	890577 B3	REGISTRATION	STATISTICS PACKAGE...	890319 B3
PROOF...	GENERAL LEDGER	890595 B3	REGRESSION	ANALYSIS...INTERACTIVE MULTIPLE	890866 B3
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PUNCHED	CARD COPY/VERIFY PROGRAM...CCOPY=	890727 B3	REGRESSION	ANALYSIS, STEPWISE...MULTIPLE	890477 B3
PURDUE	SPECIAL ANALOG INPUT SUBSYSTEM...	704341 B3	REGRESSION	PROGRAM...INTERACTIVE STEPWISE	890867 B3
PURGE...	FILE	705782 B1	REGRESSION...	INTERACTIVE MULTIPLE LINEAR	890836 B3
PURPOSE	DISCRETE SIMULATOR=GPDS...GENERAL	706130 A1	REGULAR & X SERIES...	UCLA BIOMEDICAL PRG.	890890 B3
PUT,MY	UTIL...S/A FILE CPY AND VER(CARD,	704782 B3	RELABELER&REFORMATTER...	RELABL-SOURCE DECK	890674 B3
QUARTERLY	PROOF AND LOCAL TAX...PAYROLL	890575 B3	RELABL=SOURCE DECK	RELABELER&REFORMATTER..	890674 B3
QUARTERLY	REPORT RECORD...CREATE	890574 B3	RELATING...	FACTOR	890468 B3
QUARTERLY	REPORT...SOCIAL SECURITY	890576 B3	RELEASE FILES (RELFILES)...	C0B0L	890599 B3
QUERY	SCHEMA PROCESSOR...	890779 B3	RELEASE	RESOURCES TO SYSTEM...	891053 B3
QUEUE	CHECKING GHOST...BATCH	891067 B3	RELFILES)...	C0B0L RELEASE FILES (	890599 B3
QUEUE	DISPLAY FOR ON-LINE...BATCH	891066 B3	RELIABILITY	PREDICTION CALCULATION...	706455 B3
QUEUE	EXCHANGER...BAT0XCH = BATCH	890928 B3	RELIABILITY	PREDICTION CREATE/UPDATE...	706454 B3
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RADIATION	PCM TEST...	706203 B3	RELOCATABLE	DIAGNOSTIC PROGRAM LOADER...	704356 B3
RADIUS	OF GYRATION...MOMENTS OF INERTIA &	890869 B3	REMOTE	BATCH TERMINAL TEST PROGRAM...	704983 B1
RAB6	DIAG...XEROX 550/560	730026 B1	REMOTE	GUIDE...	706267 B1
RANDOM	DISC...FORTRAN	890759 B3	REMOTE	JOB ENTRY...HASP	890764 B3
RANDOM	FILES FOR FORTRAN IV...KEYED/	890757 B3	REMOVABLE	DISC STORAGE TEST...	705534 B1
RANDOM...		705715 B3	REMOVABLE	DISK CONTROLLER DIAGNOSTIC...	730034 B1
RANDOMIZED...	SIMPLE	890446 B3	REMOVABLE	DISK STORAGE TEST...	706424 B3
RATIOS...	T-TESTS AND F=	890481 B3	REPORT	GENERATOR...RELIABILITY PREDICTION	706456 B3
RBM	COPY PROCESSOR...	890794 B3	REPORT	PROGRAM GENERATOR (RPG)...XEROX	706419 B1
RBM	ERROR LOG LISTER...	706467 B3	REPORT	RECORD...CREATE QUARTERLY	890574 B3
RBM	MACRO-SYMBOL ASSEMBLER...	705781 B3	REPORT	WRITER...GAMMA 3 MATRIX-GENERATOR	705832 A1
RBM	METASYMBOL...	890812 B3	REPORT...	SOCIAL SECURITY QUARTERLY	890576 B3
RBM	MFC HANDLER...	706113 B3	REPORTS...	GENERATE PAYROLL TIME	890573 B3
RBM	OVERLAY LOADER...	705733 B1	RESOURCES	TO SYSTEM...RELEASE	891053 B3
RBM	RAD EDITOR...	705734 B1	RESTART	PROGRAM...C0B0L	890717 B3
RBM	SCRIPT...	890793 B3	RESTORE	= BPM...FAST FPURGE	890810 B3
RBM	VERSION)...EXTENDED FORTRAN IV=H (	705776 B1	RESTORE	PROGRAM...SYSTEM SAVE/	706280 B1
RBM	VERSION)...SL=1 TRANSLATOR (	706117 A1	RESTORE	ROUTINE-UTIL...STD-ALONE DISC SAVE	704781 B3
RBM	VERSION)...SYMBOL ASSEMBLER (	705846 B1	RESTORE/AUT0 B0CT...SYSTEM DISC DUMP/		890734 B3
RBM...	SYSTEM	890958 B3	RESTRUCTURING	PROCESSOR (DMSREST)...EDMS	706498 B3
RBM)...	EXTENDED FORTRAN IV/IV=H LIB. (	705738 B1	RETRIEVAL	PACKAGE (DARP)...DATA	705669 B3
RBM)...	REAL-TIME BATCH MONITOR (	705732 B1	RETRIEVAL	PROGRAM...TAPE FILE	890796 B3
RBM=1)...	REAL-TIME BATCH MONITOR=1 (	705280 B3	RETRIEVAL	SUBROUTINES...DATA	706233 B3
RBM/BPM	HANDLER FOR MOCD,S...	706259 B3	RETRIEVAL	SYS...ON LINE D0CU ENTRY AND	890997 B3
RBPRINT...		890756 B3	RETRIEVE	(CSR)...CARD STORE/	705879 B1

PROGRAM AVAILABILITY LIST

KEY	TITLE	CAT.NØ CL	KEY	TITLE	CAT.NØ CL
RJE (XCDRJE)...	XEROX TØ CØNTRØL DATA	890910 B3	SELECTØR IØP TEST PRØGRAM...		704788 B3
RMC...	RØTATING MEMORY TEST PRØGRAM =	706249 B1	SELF SCARE= CARD READER SYMB. START...	BPM	890585 B3
RØM BREAKDØWN TRANSLATØR (RØMBUST)...		890143 B3	SELF-TEST...	MAINTENANCE SUBCØNTRØLLER	705723 B3
RØM MATRIX GENERATØR...5-9,550/560 CHAR		706517 B3	SEQ...	EDIT DATA CARDS FØR ILLEG.PUNCHES &	890458 B3
RØM MATRIX IDS10/20...SIG 5-9,550/560 CHAR		706516 B3	SEQUENCE PRØGRAM = UTILITY...	CØPY AND	704396 B1
RØM TAPE FILE UPDATE PRØGRAM = RØMUP...		890826 B3	SEQUENTIAL SUBRØUTINE...	CØBØL ADD	890604 B3
RØMBUST)...	RØM BREAKDØWN TRANSLATØR (	890143 B3	SERIES SIMULATØR...	1400	705261 B1
RØMLIB...		890962 B3	SERIES...UCLA BIØMEDICAL PRØG.=REGULAR & X		890890 B3
RØMUP...	RØM TAPE FILE UPDATE PRØGRAM =	890826 B3	SEX)...	NEW SYSTEM EXERCISER (	705889 B1
RØTATING MEMORY CØNTRØLLER DIAGNØSTIC...		730033 B1	SFTRAN...		890941 B3
RØTATING MEMORY PRØCESSØR...XEROX 550/560		730028 B1	SHARED GRAPHICS FACILITY...GØRØØ TIME		890533 B3
RØTATING MEMORY TEST PRØGRAM = RMC...		706249 B1	SHC) DIAGNØSTIC...SØFTWARE HARDCØRE (		730008 B1
RØTATION...FACTØR		890469 B3	SHELL SØRT...MAP PRØCESSØR WITH		890752 B3
RØTATION...FACTØR ANALYSIS WITH		890465 B3	SICR...STAND-ALØNE I/O HANDLER FØR		704168 B3
ROUTINES (ADCHIGH)...	ADC HIGH LEVEL	706231 B3	SIG 5-9,550/560 CHAR RØM MATRIX IDS10/20...		706516 B3
ROUTINES (ADCLØW)...	ADC LØW LEVEL	706232 B3	SIG 5/7 (STAND-ALØNE)...	CARD LISTER USING	890554 B3
ROUTINES...ALTRAN RUN-TIME		890846 B3	SIGNIFICANCE TEST...	BINØMIAL	890449 B3
ROUTINES...CØBØL TTY +		891064 B3	SIM. PCK (S/A VERS)...	UNIMPLEMENTED INST.	704148 B3
ROUTINES...FØRTRAN IV KEYED FILE I/O		890323 B3	SIM. PCKG. BCM VERS....	UNIMPLEMENTED INST.	704362 B3
ROUTINES...SPECIAL FØRT-SYMBOL INTERFACE		705896 B3	SIMPAC...DISCRETE SIMULATION PACKAGE =		890837 B3
ROUTINES=-FØRTRAN...CHARACTER MANIPULATION		890657 B3	SIMPLE DEBUG RØUTINE...		890979 B3
ROUTIN=UTIL...MEDIA CØNVERSION AND EDITØR		704784 B1	SIMPLE RANDOMIZED...		890446 B3
RPC...SIGMA 6/7/9		890998 B3	SIMT...STAND-ALØNE I/O HANDLER FØR		704169 B3
RPQ)...	XEROX REPØRT PRØGRAM GENERATØR (	706419 B1	SIMT)...	XEROX SIGMA 5/9 9-TRACK MAG TAPE (	730035 B1
RT EXECUTIVE CRØSS ASSEMBLER...HP		890988 B3	SIMULATION PACKAGE = SIMPAC...	DISCRETE	890837 B3
RUN-TIME DIAGNØSTIC DEMØ...FØRTRAN IV		705391 B3	SIMULATION PACKAGE...	BPM/3 GASP II	890560 B3
RUN-TIME ROUTINES...ALTRAN		890846 B3	SIMULATION PRØGRAM...ANALØG DIGITAL		890561 B3
RUN-TIME TRACE...		705784 B3	SIMULATION...BIRD WHISTLING=		890557 B3
SAFE (PFS) DIAGNØSTIC PRØGRAM...PØWER FAIL		730022 B1	SIMULATION...INTERACTIVE CØNTINUØS		890838 B3
SAFE DIAGNØSTIC...PØWER FAIL		706142 B1	SIMULATION=ORIENTED LANGUAGE...SØL=		890363 B3
SAFE TEST...PØWER FAIL		704122 B3	SIMULATØR (BCM VER.)...	DECIMAL INSTRUCTION	704364 B3
SALIC)...	STAND-ALØNE I/O CØNTRØL PRØGRAM (	704367 B3	SIMULATØR (BCM VER)...	BYTE-STRING INSTRUC.	704365 B3
SAS PCM TELEMETRY CØMPILER...SSS=		705655 B3	SIMULATØR (BCM VER)...	FLOATING PØINT INST.	704363 B3
SAVE GENERATØR...STAND-ALØNE REGISTER		704444 B1	SIMULATØR (BCM)...	CØNVERT INSTRUCTION	704366 B3
SAVE...BPM/BTM FAST		706296 B1	SIMULATØR (S/A VERS)...	FLOATING PØINT INST.	704149 B3
SAVE=RESTØRE RØUTINE=UTIL...STD-ALØNE DISC		704781 B3	SIMULATØR (S/A VERS)...	DECIMAL INSTRUCTION	704150 B3
SAVE/RESTØRE PRØGRAM...SYSTEM		706280 B1	SIMULATØR (S/A)...	BYTE-STRING INSTRUCTION	704151 B3
SAVER...BTM MESSAGE		705773 B3	SIMULATØR (S/A)...	CØNVERT INSTRUCTION	704152 B3
SCARE= CARD READER SYMB. START...BPM SELF		890585 B3	SIMULATØR FØRMATTED TAPE FILES...SØRT 1400		705882 B3
SCATTER READ/WRITE MAG TAPE PACK...FØRTIV		890589 B3	SIMULATØR...TIMESHARING		890944 B3
SCATTERGRAM HISTØGRAM...		890433 B3	SIMULATØR...1400 SERIES		705261 B1
SCHEDULE...AUTØ		890954 B3	SIMULATØR=GPDS...GENERAL PURPØSE DISCRETE		706130 A1
SCHEMØ PRØCESSØR...QUERY		890779 B3	SIMULTANØBUS LINEAR EQUATIONS...		890478 B3
SCØMPARE=SOURCE FILE CØMPARISØN PRØGRAM...		890956 B3	SIM519...		890873 B3
SCØRE KEEPER FØR CØNTINUING TOURNAMENTS...		890706 B3	SINGLE CARD...UTILITIES,		890659 B3
SCØRING...FACTØR		890470 B3	SIØP DIAGNØSTIC (MS)...		705722 B3
SCØRING...TEST		890479 B3	SIPR...STAND-ALØNE I/O HANDLER FØR		704170 B3
SCU INTERPRETER...		706437 B3	SIU DIAGNØSTIC PRØGRAM...7930/7931/7935		704211 B3
SCU LINKING LØADER...		706489 B3	SIU DIAGNØSTIC PRØGRAM...ADS-10 ANALØG		705887 B3
SCU...META-SYMBOL PRØCEDURE DECK FØR		706450 B3	SIU DIAGNØSTIC PRØGRAM...7910/14/15		704236 B3
SEARCH...CØBØL SUBRØUTINE BINARY		890607 B3	SIU DIAGNØSTIC PRØGRAM...7922		704214 B3
SECURITY CØNTRØL PACKAGE...PLANT		706508 B3	SIU DIAGNØSTIC PRØGRAM...7923/28/29		705392 B3
SECURITY QUARTERLY REPØRT...SØCIAL		890576 B3	SIU HANDLER (FØRTRAN IV=H)...	7910	705891 B3
SELECTION...ENTITY		890459 B3	SIU HANDLER...7929 AND 7935		706143 B3
SELECTIVE DUMP = UTILITY...STAND-ALØNE		704779 B1	SIU 7923 HANDLER...		705854 B3



PROGRAM AVAILABILITY LIST

KEY	TITLE	CAT.NO	CL	KEY	TITLE	CAT.NO	CL
TAC TØE =3D...TIC		890543	B3	TRANSGENERATION...INTERACTIVE		890868	B3
TAPES...BASIC SOFTWARE MAGNETIC		704357	B3	TRANSIENT HEAT TRANSFER...THREE DIMENSION		890766	B3
TAX...PAYROLL QUARTERLY PROOF AND LOCAL		890575	B3	TRANSIENT...CIRC=		706253	A1
TCSH)...TIME CODE SYSTEM HANDLER (		706237	B3	TRANSLATION TABLE...BCD/EBCDIC		704855	B1
TELEMETRY COMPILER...SSS=SAS PCM		705655	B3	TRANSLATOR (BPM/BTM/UTS VERSION)...SL=1		706118	A1
TELEMETRY SYSTEM...PBX11		706125	B3	TRANSLATOR (RBM VERSION)...SL=1		706117	A1
TELETYPE INTERFACE SUBROUTINES...COBOL		890746	B3	TRANSLATOR (ROMBUST)...ROM BREAKDOWN		890143	B3
TEMPORARY FILES...DECLARE		890816	B3	TRANSLATOR TEST...TIME CODE		706235	B3
TERMINAL HANDLER...GENERALIZED		706520	B3	TRANSLATOR...SNAP		890547	B3
TERMINAL ORIENTED MANAGE...MANAGE AND		705783	A1	TRANSLATOR...TRISTIMULUS TO MUNSELL COLOR		890878	B3
TERMINAL ORIENTED MERGE & SORT...TOMAS=		890786	B3	TRANSL...PAPER TAPE READ PROGRAM =		890833	B3
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# Appendix A

## HOW TO SUBMIT APPLICATIONS TO THE ARI

To submit products to the Application Reference Index use the form that follows. Submit one application per form. Either make a copy of the form for each additional application or contact the ARI Support Group for additional forms.

The ARI program works as follows:

1. You send the completed one-page ARI submission form to Honeywell at the address shown on the form. There is no charge for listing.
2. Honeywell sends you an acknowledgement and a copy of its booklet containing marketing advice, documentation guidelines, contract considerations and copyright protection.
3. Honeywell then advertises your product in this catalog.
4. ARI contributors, Honeywell customers and prospects receive copies of the catalog.
5. Persons interested in a specific application contact Honeywell's ARI Support Group, who in turn puts them in touch with you.
6. You conduct your own negotiations independent of Honeywell.
7. Upon sale of the program, a nominal fee is payable to Honeywell by the seller.

Software offered without charge through the ARI is welcomed and is advertised by Honeywell as a service to the user community.

Information and assistance for ARI is available by contacting:

ARI Support Group: (617)964-3100, Extensions 6138 or 6139.

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SUBMISSION FORM**

This form is an agreement to enter the ARI program. Before submitting it, you should insure your unconditional rights to the software. It must be signed by the appropriate authorized personnel.

**Submitter:**

Company: \_\_\_\_\_ Industry: \_\_\_\_\_  
Street: \_\_\_\_\_  
City, State: \_\_\_\_\_ Zip \_\_\_\_\_  
Telephone: \_\_\_\_\_ Contact: \_\_\_\_\_  
Type of Business: \_\_\_\_\_

**APPLICATION**

Name \_\_\_\_\_ Date Operational \_\_\_\_\_

\*Description \_\_\_\_\_

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Number of Users \_\_\_\_\_ Source Language \_\_\_\_\_  
Operating System \_\_\_\_\_ No. of Programs \_\_\_\_\_

Usage Cycle      \_\_\_\_\_ Daily                      \_\_\_\_\_ Weekly                      \_\_\_\_\_ Monthly

Online \_\_\_\_\_ Batch \_\_\_\_\_

\*Use additional space as you require and attach to this form.

Cut Along Line

**MINIMUM CONFIGURATION REQUIRED:**

Series: \_\_\_\_\_ Model: \_\_\_\_\_ Memory: \_\_\_\_\_ Disk(s): \_\_\_\_\_

Type: \_\_\_\_\_ Tape(s): \_\_\_\_\_

Other Hardware: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**TERMS OF CONTRACT**

Purchase Price: \_\_\_\_\_

Monthly Rental: \_\_\_\_\_

Maintenance Option: \_\_\_\_\_

I represent to Honeywell that I have the right to enter into this agreement. I also represent that I have title to my application and the unconditional right to provide this application to others.

For each sale or rental of this product resulting from a referral by Honeywell, I agree to compensate Honeywell 10% of the sale price, or in the event of rental, an amount equivalent to the first two months rental payments.

Seller's Signature: \_\_\_\_\_

Title: \_\_\_\_\_

**ACCEPTED:**

**By Honeywell Information Systems Inc.**

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Mail completed form to:

Douglass F. Wood, Manager Application Services  
Honeywell Information Systems Inc.  
151 Needham Street, MS 217  
Newton Highlands, Massachusetts 02161

Cut Along Line

**Honeywell**

I am interested in \_\_\_\_\_

ARI NO. \_\_\_\_\_

Please call me at \_\_\_\_\_

Name \_\_\_\_\_

FIRM \_\_\_\_\_

ADDRESS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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application  
reference  
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**Honeywell**

I am interested in \_\_\_\_\_

ARI NO. \_\_\_\_\_

Please call me at \_\_\_\_\_

Name \_\_\_\_\_

FIRM \_\_\_\_\_

ADDRESS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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reference  
index

**Honeywell**

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Please call me at \_\_\_\_\_

Name \_\_\_\_\_

FIRM \_\_\_\_\_

ADDRESS \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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