CONVERGENT TECHNOLOGIES

RELEASE NOTICE FOR
12.2 DV Build Tools (SAA-1300)

Revised June 2, 1988

1.0 Description of Programs

This Release Notice describes DV Build Tools version 12.2. This section and the sections that follow provide a description of the product, contents of the Distribution Diskettes, installation procedures, and other information pertinent to this release of DV Build Tools.

2.0 Changes from Prior Version

2.1 SPRs Closed in This Release

There are no SPRs against this product.

2.2 Changes from Release 10.0 to 10.5

A. In the file CtosLib.edf:
    o The returned value of procedure ReadActionCode was changed from type ErcRet to ErcType.
    o The following definitions were added: CloseMsgFile, GetMsg, GetpNlsTable, InitMsgFile, PrintMsg, SetDateTimeFormat, SetDateTimeFmt, and SetPStructure .

B. In the file CtosTypes.edf, the declaration of ProcDescType, VhbBootType, as well as the Invalid-in-protected-mode constructs in VidData were changed.

C. In the file Erc.edf, status codes for QICTape were added. (numbers 9000 to 9099)

D. In the file Ctos.edf and Samc.edf, changes to support protected mode were added.

E. The following files were added:
        Graphics.edf
        mRequest.mdf
        MoverSegment.edf

2.3 Changes from Release 10.5

A. In the file Ctos.edf:
    o RequestRemote was added for SRP support.
    o The definition of VidHdwType was extended.

B. In the file CtosLib.edf:
    o The definition of LookupField was changed.
    o The definition of TerminateQueueServer was added.

C. In the file CtosTypes.edf:
    o VhbMfType, DcbMfType, IobMfType, and more $RESETs were added.
    o The definitions ExPcb, ExUcb, ExParDesc, GraphicsInfoType, VidHdwType, and ParDesc were updated.

o 'AT' pointer definitions, vcb, Paramblk, DctType, FDCType, XBlkType and some strictly private or obsolete definitions (lcbType, fdc, etc.) were removed.

D. In the file EnhancedRqLabl.mdf, the name prefix capability was added.

E. In the file Erc.edf, 57 error code definitions were added.

F. In the file FilSys.idf, the Declarations of Device Control Block I/O Block, and Volume Home Block for SRPs were added.

G. In the file Graphics, edf, the Fill and Viewport Value types were changed.

H. In the file Mouse.edf,
o PDAssignMouse was changed from PUBLIC to EXTERNAL.
o 17 definitions were added.

I. In the file rqLabl.mdf, the Prefixes and rqBased labels were added.

J. In the file Sam. edf, the SRP '8251'-TagType tags and BsCommType were added.

K. In the file SamGen.mdf, the SRP '8251'-TagType tags were added.

L. In the file SysCom.edf, the definitions of ATpCdt, ATpGraphicsPort, ATpFontRamBuf, and ATpHdwState were added.

M. And the following files were added:

```
Cdt.edf              CdtEqu.edf
CdtTypes.edf         GPS.edf
Hardware.edf         IO.edf
IO.edfio.edf         Msg.edf
QicBs.edf            QicConfig.edf
QicConfig.idf        QicMsgInf.edf
QicRqs.edf           Real186Equ.edf
Real186Lit.edf       ServerHW.edf
ServerHwEqu.edf      Warn.edf
Win.idf              Window.edf
```

N.   The commands PLM86 and V2PLM are no longer
     supported.

O.   The following is a list of definition files,
     the use of which is discouraged, and the
     files that should be used in their place:

        Use: Instead Of:
        CtosLib.edf   Ctos.edf
                             SubSys.edf
                             Param.edf
                             MulPar.edf
                             FilSys.idf

        CtosTypes.edf   SysLit.edf
                             MinLit.edf

     The following should no longer be used:
       <anything>.erf
       <anything>.irf
       Quad.edf

2.4 Changes from Release 11.0

A.   Added the Image and Create Message File
     commands. The Image command is the same as
     the PMake command except it also has
     "Copyright notice" and "File to append"
     fields. Both run files are distributed with
     Standard Software 11.3.

B.   Reformatted packaging. Diskette 3 now
     contains a directory <Obsolete> of edfs which
     should no longer be used. It is advised to
     delete all edfs in the [Sys]<Edf> directory
     and reinstall from this package.

C.   The following files have been changed to
     support protected mode:
          Ctos.mdf
          CtosLib.edf
          CtosTypes.edf
          MulPar.edf
          Swap.edf
          v6RunFmt.edf
          XBusRq.edf

D.   Definitions of new routines have been added
     to CtosLib.edf and CtosTypes.edf.

E.   Modified the definition of GetpStructure in
     CT.edf to add new literals.

F.   Added fConvertDecDWord to Util.edf.

G.   Added new X.25 information to Sam.edf.

H.   Added new error codes for protected mode,
     etc. in Erc.edf.

I.   Added definition for gfx_SetCGMLevel in
     Graphics.edf. Also changed definition for a
     number of literals.

2.5   Changes from Release 12.0

A.   The LAssemble Command form has been modified
     to reflect the new INCLUDE volume/directory
     parameters of the assembler. This change is
     fully compatible with previous versions of
     the LAssemble command; old submit files which
     use LAssemble do not require modifications.

B.   SubLit.Edf, MulPar.Edf, Param.Edf, and
     Quad.Edf were moved to the <Obsolete>
     directory. CtosTypes.Edf now contains the
     declarations which were in these files.

C.   The file, SamInt.Edf was added to the <Edf>
     directory.

D.   The installation of DV Build Tools now
     attempts to create the directory, <edf> on
     the target volume before copying edf files
     into that directory. This was not done
     before, requiring you to create the <Edf>
     directory before installing DV Build Tools.

2.6   Changes from Release 12.1

A.   The file, V7RunFmt.edf, has been added to the
     <Edf> directory.

3.0 Contents of Distribution Diskettes

The DV Build Tools Distribution Diskettes are your master copy, and have been shipped write-protected. They should not be write-enabled, nor should they be used as a working copy.

Diskette 1 of 3 contains the following files in the <Sys> directory :

    HdInstall.sub

Diskette 1 of 3 contains the following files in the <CT> directory:

    AddLib.sub   Archive.sub
    Build.sub   Coed.sub
    LargeCC86.sub   LAssemble.sub
    LBuild.sub   LDump.sub
    LFortran.sub   LibAll.sub
    Log.sub   LPascal.sub
    LRelibraryAndLRelink.sub
    LRelink.sub   LRename.sub
    MediumCC86.sub   NationalBuild.sub
    NationalLBuild.sub   NationalLibAll.sub
    NationalLRelibraryAndLRelink.sub
    NationalLRelink.sub
    NationalRelibraryAndRelink.sub
    NationalRelink.sub   OptCmd.sub
    PLM86-int.sub   PLM86.sub
    ReLibraryandReLink.Sub
    Relink.Sub   SmallCC86.sub

Diskette 1 of 3 contains the following files in the <Sub> directory :

```
CmdsAddLib.sub          CmdsArchive.sub
CmdsBuild.sub           CmdsCoed.sub
CmdsCreateMsgFile.sub
CmdsImage.sub           CmdsLargeCC86.sub
CmdsLAssemble.sub       CmdsLBuild.sub
CmdsLDump.sub           CmdsLFortran.sub
CmdsLibAll.sub          CmdsLink.sub
CmdsLog.sub             CmdsLPascal.sub
CmdsLRelibraryAndLRelink.sub
CmdsLRelink.sub         CmdsLRename.sub
CmdsMediumCC86.sub      CmdsNatBuild.sub
CmdsNatLBuild.sub       CmdsNatLibAll.sub
CmdsNatLRelibraryAndLRelink.sub
CmdsNatLRelink.sub
CmdsNatRelibraryAndRelink.sub
CmdsNatRelink.sub       CmdsOptCmd.sub
CmdsRelibraryAndRelink.sub
CmdsRelink.sub          CmdsSmallCC86.sub
CmdsV2.3PLM86.sub       CmdsV6Link.sub
```

Diskette 1 of 3 contains the following files in the <ReleaseNote> directory :

```
BuildTools.doc
ReleaseNotice
StdBuildProcedure.doc
```

Diskette 2 of 3 contains the following files in the
<CT> directory:

Batch.Idf	CallMacro.Mdf
CallSb.edf	cdt.edf
CdtEqu.edf	cdttypes.edf
CheckErc.Mdf	ChrLit.edf
Cnfg.Edf	Comm.Idf
CommLine.edf	ct.edf
CTOS.Mdf	CtosData.Edf
CtosErcs.Edf	Ctoslib.edf
CtosStructures.edf	ctostypes.edf
CtUtil.edf	Dam.edf
DBMS.Edf	descriptors.edf
Direct.edf	edescriptors.edf
EnhancedRqLabl.mdf	erc.edf
ErcMsg.Mdf	Form.edf
Forms.edf	FxScan.edf
GPS.edf	Graphics.edf
Hardware.edf	iferc.edf
Instal.edf	IO.edf
Isam.edf	jmp.mdf
Keys.edf	Legalese
LockedIo.edf	Mouse.edf
MoverSegment.edf	mRequest.mdf
Msg.edf	Param.Mdf
Params.idf	qicbs.edf
qicconfig.edf	qicconfig.idf
qicmsginf.edf	qicrqs.edf
quemgr.edf	quemgr.iDF
re.edf	Real186Equ.edf
real186lit.edf	repeat.edf

Diskette 3 of 3 contains the following files in the
<CT> directory:

request.mdf	rilUQQ.edf
riluqq.idf	rqlabl.mdf
Rsam.edf	RunFmt.edf
sam.edf	Sam.idf
SAM.Mdf	same.edf
SamCom.Edf	SamGen.mdf
SamInt.edf	SamInt.idf
Scan.edf	ServerHW.edf
ServerHwEqu.edf	sortme.edf
SortMe.idf	splr.idf
Stam.edf	String.Mdf
Swap.edf	Swap.idf
SysCom.edf	SyslitV2.Edf
Trans.Edf	Ts.Edf
tsrq.edf	TsStruct.edf
Util.edf	v2Syslit.edf
v6RunFmt.edf	v7RunFmt.edf
vam.edf	vidio.edf
volume.edf	Warn.edf
Win.idf	Window.edf
x25.edf	Xbus.Edf
XbusRq.Edf	

Diskette 3 of 3 contains the following files in the
<Obsolete> directory:

Batch.Irf	CallSb.erf
ctos.edf	Ctos.erf
CtUtil.erf	Direct.erf
erc.erf	FilSys.idf
FilSys.irf	Form.erf
Forms.erf	FxScan.erf
Instal.erf	Isam.erf
Keys.erf	MinLit.edf
mulpar.edf	mulpar.idf
mulpar.erf	Mulpare.irf
Param.edf	Param.Erf
Quad.edf	Quad.erf
quemgr.erf	quemgr.iRF
rilUQQ.erf	Rsam.erf
Sam.erf	Sam.irf
SamGen.asm	SamGenall.asm
Scan.erf	sortme.erf
SortMe.irf	splr.irf
Stam.erf	SubLit.Edf
SubSys.edf	SubSys.erf
Swap.erf	Swap.irf
SysLit.edf	Trans.Erf
Util.erf	Vam.erf
volume.erf	x25.erf

4.0 Installation Procedures

Use the installation procedures described below (after updating the Standard Software revision level, if required). Characters that you must type are shown in **boldface**. Special keys, such as RETURN and GO, are shown in upper case.

4.1 Stand-Alone Hard Disk Systems

A.   Signon and set path at the standalone workstation. If the Signon form is displayed, fill it in and press GO. Set the path as follows:

```
Command  Path  RETURN
Path
  [Volume]                Sys  RETURN
  [Directory]             Sys  RETURN
  [Default file prefix]   RETURN
  [Password]              (if any)  GO
  [Node]
```

If your hard disk has a volume password on [Sys], fill this password into the [Password] field before pressing GO.

B.   Insert Diskette 1 of 3 into floppy drive [f0] and execute the Install command as follows:

```
Command  Install  GO
```

C.   Follow the instructions as they appear on the screen. Insert Diskettes 2 and 3 and press GO when prompted.

4.2 Master Hard Disk Systems

A.   Signon and set path at the master workstation.
     If the Signon form is displayed, fill it in and
     press GO. Set the path as follows:

     Command **Path** RETURN
     Path
       [Volume]   **Sys** RETURN
       [Directory]   **Sys** RETURN
       [Default file prefix]   RETURN
       [Password]   **(if any)** GO
       [Node]

     If your hard disk has a volume password on
     [Sys], fill this password into the [Password]
     field before pressing GO.

B.   Insert Diskette 1 of 3 into floppy drive [f0] and
     execute the Install command as follows:

     Command **Install** GO

C.   Follow the instructions as they appear on the
     screen. Insert Diskettes 2 and 3 and press GO
     when prompted.

4.3 SRP System.

This product is not supported on SRP systems.

4.4 Stand-Alone Floppy Disk Systems

This product is not supported on Stand-Alone
Floppy Disk systems.

5.0 Required Files

The CTOS operating system and Standard Software are required to be on the [Sys] volume of the local system or on the [Sys] volume of the master if this is to be used on a diskless workstation. The appropriate compiler files are also required for each language that will be used in the build environment.

6.0 System Software Compatibility

6.1 Workstation Environment

The DV Build Tools can be used with CTOS version 9.1 and later and Standard Software version 10.0 and later.

7.0 Hardware Information

7.1 Hardware Configurations Supported

The DV Build Tools can be used on Workstations with a local hard disk or on a diskless workstation that is connected to a master.

It is recommended that the workstation onto which the DV Build Tools are being installed has a [Sys] volume with a capacity of at least 20 Mb.

8.0 Resource Requirements/Utilization

8.1 Disk Requirements/Utilization

The DV Build Tools installation will require approximately 2000 free sectors of disk space on the [Sys] volume.

9.0 Documentation Updates

The documentation, BuildTools.doc and StdBuild-Procedure.doc, regarding the use of this product is included in the <ReleaseNote> directory of diskette 1 of 3.

10.0 Known Errors and Omissions

A.   There are no known errors.