

**digital**

INTEROFFICE MEMORANDUM

*file - PDP 11- 2-4*

TO: Operations Committee

DATE: September 19, 1974

FROM: *RF* Robin Frith

DEPT: Computer Systems Development

EXT: 3850 LOC: 5-2

SUBJ: PDP-11 Strategy Status

Attached is a brief summary of the status of PDP-11 Strategy and of the product developments resulting from this strategy.

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Attachment

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JULY PDP-11 STRATEGY

RESULTS OF AUGUST 28 MEETING - NO CHANGE IN STRATEGY

UNKNOWNNS THAT MAY AFFECT STRATEGY:

1. SPEED AND DELIVERY OF 11/05HM (11B05)  
1200 NSECS TO 800 NSECS

2. NEED AND VIABILITY OF THE 11/44  
VIRTUAL ADDRESS EXTENSION

IS THE 11/44 THEN A 32-BIT MACHINE?

3. HOW MUCH OF THE DEC SYSTEM 10 SOFTWARE  
CAN THE 11/85 USE, OR DOES THE 11/85 HAVE  
TO START FROM SCRATCH?

CONFLICTING GOALS?

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CURRENT STATUS

11/05L

- 5¼" VERSION - NO CHANGE IN SCHEDULED DELIVERY
- COST FOR MINIMUM PACKAGE NOW \$997

CRITICAL PATH ITEMS:

- TPS POWER SUPPLY
- SPC MOS MEMORY

10½" VERSION - NO COMMITMENT

- BA11K TOO EXPENSIVE
- 2 x 5¼" BOXES?

11/05HM

- NOT YET STARTED ON DESIGN
- JULY DELIVERY MAY SLIP

11/44

- NO CHANGE IN SCHEDULED DELIVERY
- FINAL SPECIFICATION (16 BIT) DUE OUT NOW
- VAX HARDWARE PROPOSAL OUT NOW
- VAX SOFTWARE PROPOSAL DUE 10/15

11/55

- NO CHANGE IN SCHEDULED DELIVERY
- BREADBOARD RUNNING RSX11D, RSTS/E  
SOFTWARE (STILL ONE BUG IN COMPILATION)
- PLAN IS TO SHIP WITH FIRST PASS BOARD  
LAYOUT
- IF RE-LAYOUT IS NEEDED, DELIVERY WILL SLIP

11/85

- NO CHANGE IN SCHEDULED DELIVERY
- TRYING TO DEFINE DETAILED GOALS
- FIRST PASS PRODUCT PLAN DUE OUT NOW

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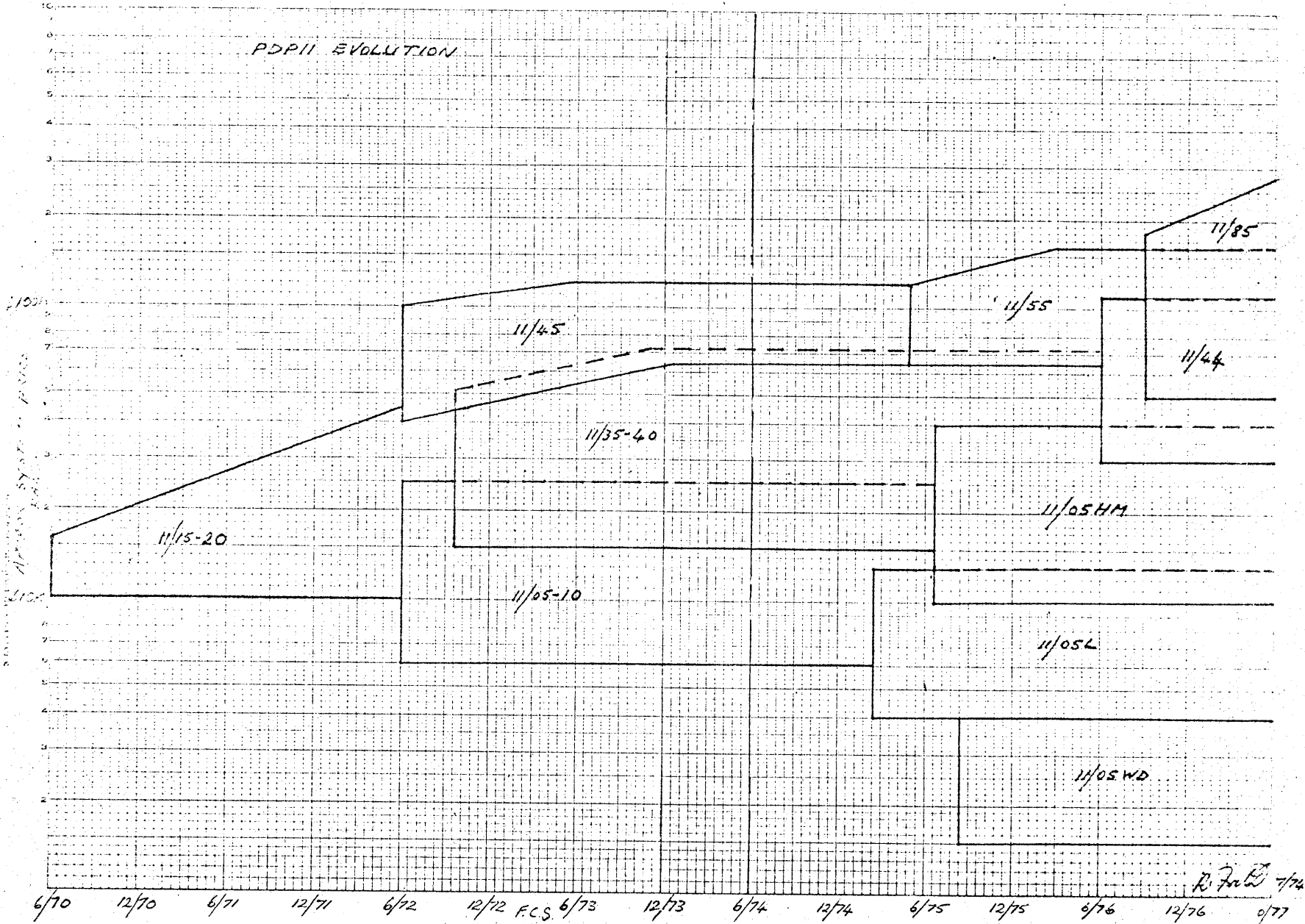
## OTHER PRODUCT STRATEGIES THAT NEED UNDERSTANDING

1. LOW, LOW END (USING 11/05 WD CHIPS)  
NEW FAMILY OF PRODUCTS, PDP-11 INSTRUCTION SET  
TWO PRODUCT PHILOSOPHIES:
  - (A) MODULAR DEVICES WITH WELL-DEFINED INTERCONNECT SCHEME  
CP, MEM, I/O DEVICES ON SEPARATE BOARDS
  - (B) SYSTEMS (CPU, MEM, I/O DEVICES) ON A BOARD WITH  
A NUMBER OF DIFFERENT SYSTEM BOARDS
  
2. 36 BIT FAMILY  
WHAT ARE THE RELATIONSHIPS BETWEEN 11/85 AND DEC SYSTEM 10,  
20 PRODUCTS?

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PDP11 EVOLUTION

PDP11 EVOLUTION  
 PROGRAM DEVELOPER  
 SYSTEMS  
 DEPT. OF DEFENSE  
 WASHINGTON, D.C.



R. J. ... 7/74

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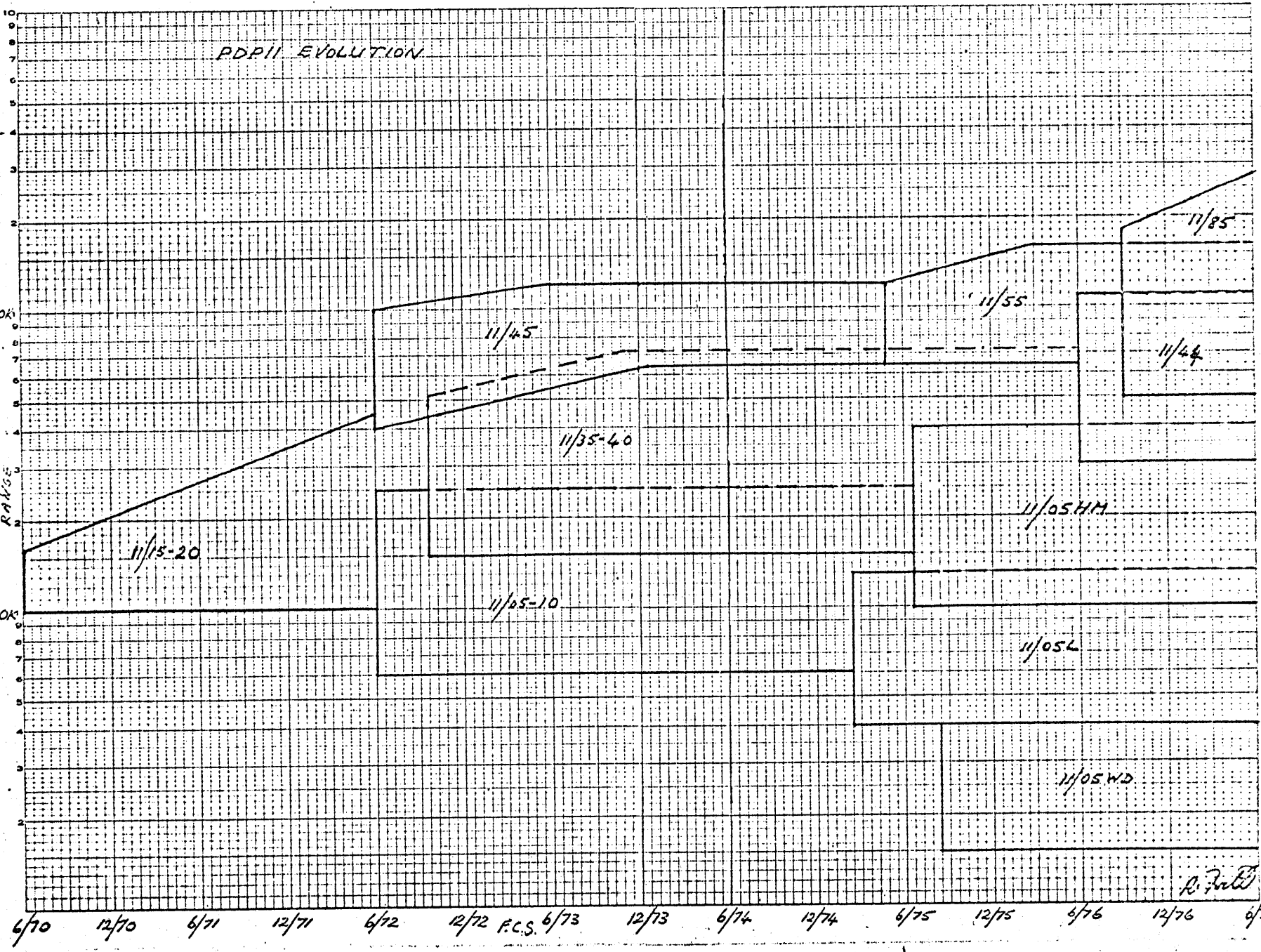
NO. 340-1310 DIETZGEN GRAPH PAPER  
 MILLE-CENTIMETER  
 5 CYCLES X 10 DIVISIONS PER INCH  
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PDP11 EVOLUTION

APPROX SYSTEM PRICE RANGE

\$100K

\$10K



R. Field 7/74