

EXTMSDOC

EXTMS  
 PDP-15  
 ROGER BRANDT  
 17/02-71  
 ZH 740926  
 GENERAL DESCRIPTION

LANGUAGE:

FORTRAN-IV

USED SUBROUTINES:

EMSDEV-PACKAGE, DECODE, KFMT, AFMT, IFMT, IBSTAT +FORTRAN ROUTINES IAMP, DATAA

SIZE:

?

PURPOSE:

EXTMS WILL GENERATE CALLS TO ENTRIES IN THE EMSDEV-PACKAGE,  
 WHICH WILL WRITE A1- OR A2- TAPE.

USE:

EXTMS ACCEPTS ONLY FIXED FORMAT INPUT. EACH LINE GENERATES  
 ONE CALL TO AN EMSDEV ENTRY. LINES MUST BE TERMINATED BY  
 CARRIAGE RETURN.

INPUT FORMAT:

POSITION	INPUT LINE	GENERATED CALL TO EMSDEV
	123456789@1234	
	GNNFFFFFFAAAZ	CALL FG(NN,FFFF,AAAA,Z)
	FNNCCAAAA	CALL FF(NN,CC,AAAA)
	ANAAAA	CALL AMPL (NN,AAAA)
	CFRTO	CALL CONN(CFR,TO)
	DFRTO	CALL DISCON(CFR,TO)
	RNNTTTT	CALL REVTIM(NN,TTTT)
	TTTTT	CALL TIME (TTTT)
	M	CALL ENDMRK
	E	CALL ENDPY(N1,N2,N3)

THE FIRST CHARACTER OF THE INPUT LINE DETERMINES WHICH  
 ENTRY TO CALL.

IF FIRST CHARACTER IS NOT ONE OF THE ABOVE MENTIONED,  
 EXTMS WILL RECOGNIZE THE LINE AS AN ERROR LINE  
 AND WILL PRINT MESSAGE AND INPUT LINE.

ALL OTHER FIELDS MUST BE NUMERIC AND MAY NOT CONTAIN  
 DECIMAL POINTS. NONNUMERIC FIELDS AND DECIMAL POINTS  
 CAUSE ERROR MESSAGE AND OUTPUT OF ERROR INPUT LINE.

FIELDS ARE INTERPRETED AS FOLLOWS:

NN	NUMBER OF DEVICE	
FFFF	FREQUENCY IN HZ	
Z	WAVEFORM	
AAAA	AMPLITUDE IN DB WITH AN IMPLICITE DECIMAL POINT AFTER THE FIRST 3 AMPLITUDE DIGITS	
CC	CHANNEL NR	
TTTT	TIME IN MS	
FR	FROM NR	SEE EMSDEV
TO	TO NR	SEE EMSDEV

EXTMS WILL NOT CHECK TO SEE IF PARAMETERS PASSED TO EMSDEV  
 ARE WITHIN ALLOWED LIMITS.

EXTENS READS FROM DAT SLOT 5. IF FILEORIENTED, THE NAME MUST BE 'EXTIN SRC'

ON START AN INSTRUCTION IS PRINTED OUT ON DAT SLOT 4 TO TYPE LIST (CARRIAGE RETURN)

IF THE USER WANTS A PRINTOUT ON DAT SLOT 6 (NORMALLY LP).

IF NOT WANTED, JUST TYPE CR.

ERROR MESSAGES ARE OUTPUT ON DAT SLOT 6 ANYWAY.

DAT SLOT 7 SHOULD BE MAGTAPE MT0 OR MT1 (POSSIBLY BY).

CALL TAPE(7) IS DONE AUTOMATICALLY ON START.

EMSDEV'S ERROR PRINTOUT IS ON DAT SLOT -12

ON E COMMAND THE PROGRAM PAUSES. AFTER CONTROL P

IT STARTS AGAIN WITH CALL TAPE.

THE ^Q AND GET COMMANDS IN THE MONITOR CAN BE USED FOR

EASY RESTART, POSSIBLY AFTER REDEFINITION OF EXTIN.

EXAMPLE OF THE STARTING PROCEDURE:

A LP -12/DK1 5/MT1 7

GLOAD

QEXTENS,DATAA,IAMP,EMSDEV,WREMA1 (ALT MODE)