

TO: MSPM Distribution  
FROM: J. H. Saltzer  
SUBJ: New EDA, BE.5.07  
DATE: 12/09/66

Attached is a description of the EDA command, revised to take account of PR(1966) ASCII and full canonical form. Temporarily, this program is available as TEDA SAVED in T234 CMFL01. The old EDA is also available in T234 CMFL01 under the name EDA SAVED. At character set change over instant, TEDA will be renamed EDA, and the old EDA will become obsolete.

Published: 12/09/66  
(Supersedes: BE.5.07, 02/18/66)

### Identification

ASCII-Format File Editor (EDA)  
R. Morris, J. H. Saltzer

### Purpose

EDA is a reincarnation of the CTSS TYPSET command for use with ASCII printable files. The typewriter input/output routine in EDA uses the escape conventions described in section BC.2.04 dated November 10, 1966.

### Usage

RESUME EDA name1 -name2- -963-

will allow creation or editing of file "name1 name2". If -name2- is missing "EPL" is assumed. No special meaning is attached to the secondary name used. Escape conventions appropriate to the typist's console will be used automatically. Escape conventions for other consoles will not generally work. A 1050 or 2741 console is assumed to have a standard correspondence (938) ball unless the optional parameter "963" is supplied, which means that the console has an EBCDIC (963) ball. Editing requests are identical with those of TYPSET as described in the CTSS Programmers Guide, section AH.9.01.

### Comments

EDA uses the character set conventions described in section BC.2.01. In particular, code 012 (ASCII LF) is taken as the new line character and is used to delimit "lines" in the sense of the TYPSET description. Because the CTSS file system makes no provision for end-of-file returns on character string files, the character code 003 (ASCII ETX) is inserted by EDA after the last character in the file. This convention will not be needed on Multics since the I/O system can return an end-of-file after the last character. Files produced by EDA are suitable for direct input to the EPL translator.

As described in section BC.2.00, typewriter input to EDA goes through the following steps, in order:

1. Conversion to ASCII code.
2. Removal of Escapes.
3. Conversion to Canonical form.
4. Check for New Line character at end of line.
5. Erase and kill editing.

Mode Change

When using EDA, one changes from input to edit and from edit to input mode by typing at the beginning of a line the two character sequence "period newline". In input mode, blank lines are inserted in the file. In edit mode, blank lines are ignored.

EDA SAVED may be linked to in T234 CMFL01.