

# ML/I User's Manual — Appendix L

Implementation on the PDP-15

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This implementation is based on version AIC of ML/I.

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## L.1 Restrictions and Additions

This implementation of ML/I contains all the features described in the *ML/I User's Manual*, 4th Edition, August 1970, plus New Features 1 to 4 as described in supplements to that Manual.

## L.2 Operating instructions and I/O

ML/I is supplied as 2 relocatable binary files which must be loaded together.

MLONEC contains the program. It is about 4K in size and should be loaded first.

MLONED contains the pre-set data and should be loaded second.

The .DAT slot usage is as follows:

- |   |                |
|---|----------------|
| 1 | Command string |
| 2 | Error messages |
| 3 | Source text    |
| 4 | Generated text |

The command string in response to the > is a single line:

```
outfile<-infile1,infile2,...
```

The default extension in all cases is TXT.

## L.3 Character set

ML/I accepts the full 7-bit ASCII character set with no translation between lower and upper case letters.

## L.4 Error messages

Error messages are always produced on .DAT slot 2 (which should be the user's teletype).

The number 2N of section 6 of the *ML/I User's Manual* is 60 and the statistics message of section 6 is given at the end of every process.

## L.5 Integer calculations

The initial environment contains ten permanent variables. These are not pre-set to any particular values. All integers in, or derived from, macro expressions should be less than 131072 in magnitude. Overflow is not detected except in the case of divide by zero when the result is zero.

## L.6 Layout keywords

The following are the layout keywords for this implementation:

SPACE	meaning a space.
NL	meaning a newline.
TAB	meaning a tab.
SL	meaning the imaginary startline character.
SPACES	meaning a sequence of one or more spaces.

## L.7 S-variables

This implementation contains 13 S-variables. S-variables S10 and above are used as follows:

S10        Output switch. If non-zero, output text is suppressed.