TO: Distribution
FROM: D.R. Vinograd
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SUBJECT: Answerback Coding Requirements for Multics I/O Terminals

This MOSN describes Multics system operation on the Multics series Model 6180.

The following document is intended to describe the conventions/requirements for the coding of answer back mechanisms for the various I/O terminals that Multics can support.

For terminals of speed 110 baud, 150 baud and 300 baud, commonly referred to as "teletypes", the following answer back coding is used.

End of Line

where

Null is a null character inserted for timing purposes
Printer Off is the device dependent character(s) which turn the printing mechanism off
Location Code is a three (3) letter code indicating the location of the terminal
Space is the device dependent code for space; ascii code 040\b
Terminal Code is the code which identifies the terminal type. Codes now defined are:

D - Teletype Model 33
C - Teletype Model 35
B - Teletype Model 37 (without red shift)
E - Terminet 300
T - TI 725/CD1 1300
J - Teletype Model 38

Identification Code is a three character code indicating a further refinement of the location code.

Printer On is the device dependent character(s) which turn the printing mechanism on.

New Line/ Carriage Return/ End of Line is the device dependent character which indicates completion of a single line of text.

For terminals of speed 134.5 baud commonly referred to as 2741/1050 or selectric like devices, the answer back code is as follows:

0, Password Inhibit, Terminal Code

where

0 is the device dependent character representing a zero, ascii code 060g

Password Inhibit is a "letter" if the terminal has the password inhibit feature (printer off) and a digit if not.

Terminal Code is a two character terminal identification code. Codes now defined are:

A - Datel Terminal
5 - Trendata Terminal
0 - 2741 Terminal
B - Novar Terminal