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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 re-

ferred to as "teletypes", the following answer back coding is used.

        Null, Printer Off, Null, Location Code,
        Space, Terminal Code, Identification
        Code, Space, Terminal Code, Identification
        Code, Printer On, New Line/ Carriage Return/
        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_8

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 Mode 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 selective 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 060_8

         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