This document was produced by SDC in performance of __DOD SD 97__

NOTE
an internal working paper

System Development Corporation/2500 Colorado Ave./Santa Monica, California

TAPE PROGRAMMING DCR INDICATIONS

The following is a list of some of the DCR bits which may be set during tape programming sequences, and the possible conditions which can cause the indications. The indicators are listed by name only as bit positions and sense codes vary according to the tape adapter used.

Complete

A read, write, or "U" code operation having normally completed. This includes operations such as rewind and set density even though no action may take place if already rewound or at the specified density, and read or write zero words.

Complete and Character Parity

SLO instruction code (Hollerith or binary) different from tape code or instruction and drive density the same but tape of opposite density.

Complete and EOF

An EOF mark was read.

Complete and EOT

A logical EOT mark was read or the physical EOT mark was passed during a read or write operation.

Not Ready

Tape drive not "readied" (start button not depressed) or no drive set to selected number.

Not Ready and File Protect - Wrong Density

No tape mounted or selected drive or drive set to opposite density as instruction and tape drive not ready.

File Protect - Wrong Density

Tape drive set to opposite density as instruction, a write operation with tape file protected, or a set density operation with tape not at load point.

Illegal Motion

Either backspace executed while at load point, or, a read, write, WEF, or WET after passing physical EOT or reading logical EOT.

Busy

Tape selected before previous operation on that adapter has terminated, including rewind where the adapter has not yet disconnected.

Rewinding

Tape selected after disconnect (and "complete") following a rewind instruction, but selected tape still rewinding.

Active Notes

001/00   SLO WITH ZERO WORD COUNT

002/00   U CODE - OTHER MODIFIER CONFLICTS - TAPE

003/00   SLO - READER - OTHER MODIFIERS

004/00   FIX TYPEWRITER WORD COUNT

005/00   FIX TYPEWRITER CARRIAGE RETURN

006/00   MONITORING L.S. OPERATIONS

007/00   UNUSED I/O CONTROL WORD BITS

008/00   TAPE PROGRAMMING DCR INDICATIONS