Drum Locator/Loader (DLL)

1.0 General

The purpose of the Drum Locator/Loader is to locate and load absolute programs from a drum. Normally, it will load an operating system which has been assembled to suit the needs of a particular installation. However, DLL may be used to load any absolute program. The actual coding to load programs will be stored in the highest memory module available in a particular U1050.

The DLL will be written onto the drum by the Initial Drum Setup routine (IDMS). The configuration parameter card submitted to IDMS will define the type of card reader that will be used by DLL to read call cards.

The Systems Area Identifier (SAI) is the second character of the Systems Area name that defines the drum area in which programs to be loaded are stored.

2.0 Operating Instructions

2.1 Allow Drum load
2.2 Inhibit Tape load
2.3 Reader (if available)

Place call card in Reader.

Columns 1 thru 5 will contain:
$iiii - where iiii is the I. D. of the absolute program to be loaded from the drum.

Column 6 will contain the Systems Area Identifier:
* - indicates Systems Programming File.
A thru Z - an alphabetic character indicates a user defined Systems Area.

Load cards into input magazine.
Depress clear button on card reader.

2.4 Console

2.4.1. Depress clear
2.4.2. Depress load tape Mode button
2.4.3. Depress program start

2.4.4. Depress Cont. Mode button
2.4.5. Depress program start
2.4.6. STOP - 3006010060

> Depress run if call card is in reader and the program will
> be located and loaded from the drum.
> If card reader is not available

2.4.7. For 1050

    2.4.7.1. Key in first two characters of I.D. of program
            to be loaded into the trace switches
    2.4.7.2. Depress OP REQ
    2.4.7.3. Depress program start
    2.4.7.4. STOP - 3006010160
            Key in second two characters of I.D. of program to
            loaded into the trace switches.
    2.4.7.5. Depress program start
    2.4.7.6. STOP - 3006010260
            Key in Systems Area Identifier into last six
            trace switches
    2.4.7.7. Depress program start and program will be located
            and loaded.

2.4.8. For 1040

    2.4.8.1. Key into memory locations $\emptyset$ thru 3 the I.D.
            of the program to be loaded
    2.4.8.2. Key into memory location 4 the Systems Area
            Identifier
    2.4.8.3. Depress program start and program will be located
            and loaded.

3.0 Display Stops

Display	Description	Recovery
3006010060	Operator option to use a call card or key into locate program.	If program start depressed, a call card will be read from the reader. If 1050 and reader is not available, key in 1st 2 characters program of I.D. Depress operator request and program start (See 2.4.7). If 1040 and reader is not available, key in to locate program. Depress program start (See 2.4.8).
3006010160	Program I.D. Key in	If 1050 only and card reader not available, key in 2nd 2 characters of program I.D. Depress program start (See 2.4.7.4).

3006010260	Systems Area Identifier key in	If 1050 only and card reader is not available, key in Systems Area Identifier. Depress program start (See 2.4.7.6).
3006017060	Invalid Systems Area Identifier	A systems area with the S.A.I. given does not exist on the drum. Depress program start and retrun to stop 3006010060.
3006017160	Fastrand error while loading	Depress program start and order that caused error will be reissued.
3006017260	Number of sectors loaded does not agree with count in Tsector.	Depress program start and return to stop 3006010060. If this occurs several times, use AJAXF or OPUSF to correct the program being loaded.
3006017360	Check sum error while loading.	Depress program start and return to stop 3006010060.
3006017460	No such program in this Systems Area.	Depress program start and return to stop 3006010060.
3006017560	No Program Directory Descriptor in this Systems Area. This indicates illegal format in this Systems Area.	Use AJAXF or OPUSF to correct Systems Area. If run is Depressed, loader will return to stop 3006010060.
3006017660	No 'R' or 'S' sector found for this program. This indicates illegal format on the drum for the program.	Use AJAXF or OPUSF to correct program being loaded. If run is Depressed, loader will return to stop 3006010060.
3006017760	No Systems Directory Descriptor.	Use AJAXF or OPUSF to correct Systems Area. If run is Depressed, loader will return to stop 3006010060.
3006016060	Card Read Error.	Depress Program start and loader will return to stop 3006010060.
3006016160	No call card in reader.	Depress program start and loader will return to stop 3006010060.

3006015160	Error in loading DLL.	Restart.
3006015260	Check Sum Error while loading DLL.	Restart.
3006015360	Number of sectors loaded does not agree with count in Tsector of DLL.	Restart.