

TO: MSPM Distribution
FROM: M. A. Padlipsky
SUBJECT: BE.7.07A
DATE: 06/18/68

The attached reissue of BE.7.07A incorporates the information given in the previous issue and reflects additional changes to the Loader which resulted from the incorporation of the ability to load symbol table segments.

Published: 06/18/68
 (Supersedes: BE.7.07A 07/21/67)

Identification

Appendix to BE.7.07: Changes in 645 LOADER
 G. S. Stoller, J. D. Mills

Summary

As of 07/21/67, the loader was changed to handle the revised format of the linkage section header (see also BD.7.01). The 645 LOADER has also been modified to load symbol-sections (from the "st" file).

Implementation

Loaded symbol-sections are named "st****" where the four asterisks represent the segment-number of the corresponding text-section.

Symbol segments are always unpagged. (This is done just to reduce the core-overhead of the symbol-segment).

It is now possible to compile/assemble programs and not load them even though a pseudo-process activity exists in the job.

Furthermore, the aborts for FIND reasons 0 and 2 should not appear. (There seems to be no code in FIND to give these abort reasons, other than as GEFRC error codes).

Error Messages

Recoding parts of the 645 LOADER also resulted in minor changes to the error messages.

The following error messages will no longer appear:

<u>subroutine</u>	<u>reason</u>
LODXTX	1,2,4
LODLKG	1,2,4

Appearing instead are:

<u>subroutine</u>	<u>reason</u>	<u>meaning</u>
LODSBF	1	no room for section being loaded
	2	no room for page-table of section
	4	SDW boundary-field overflow for section being loaded

Note also the following:

<u>subroutine</u>	<u>reason</u>	<u>meaning</u>
LODLKG	3	unused
	5	improper format of linkage section header