TO: MSPM Distribution
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SUBJECT: BE.7.07A
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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.

Identification

Appendix to BE.7.07: Changes in 645 LOADER
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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 unpaged. (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:

subroutine	reason
LODTXT	1,2,4
LODLKG	1,2,4

Appearing instead are:

subroutine	reason	meaning
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:

subroutine	reason	meaning
LODLKG	3	unused
	5	improper format of linkage section header