Identification

Multics Bootload Simulator (MBS)
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Purpose

The purpose of the Multics Bootload Simulator is to simulate
in software the action that would be taken if the GIOC
bootload (64-word diode matrix) were to contain the Multics
Bootload.

Discussion

The Multics Bootload Simulator is written in assembly
language and assembled into an object program in card
deck form. The object deck is headed by a bootcard, the
function of which is to bootstrap in the Multics Bootload
Simulator. When the Multics Bootload Simulator has been
read in from the card reader, control passes to the MBS.
The MBS sets locations for the interrupt vector and the
GIOC mailboxes   It then copies the Multics Bootload into
the correct location and passes control to it by performing
on XED on (transferring to) the first entry of the Interrupt
vector. In brief, control passes from hardware to software
via the MBS interface in the following sequence:

1.   GIOC bootload button

2.   GIOC bootload

3.   Bootcard

4.   Multics Bootload Simulator

5.   Multics Bootload