TO:          Distribution

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SUBJECT:     Operation of the IOM


This MOSN applies to Multics System Operation on the Multics Series
Model 6180.


## Switch Settings

In order to use the IOM for BOS/Multics, the following switches must
be set properly:

* At the peripheral switch:
  Those peripherals desired should be configured to the
  IOM.  Consult the chart on the peripheral switch for
  the proper switch settings.

* At the system controller(s):
  The IOM port should be enabled.

* At the IOM maintenance panel:

  1.  Port block switches should be set for the desired
      system controller(s).  The PORT ENABLE switch and
      SYSTEM INIT ENABLE switches should be set ON for
      the controller(s) in use.

  2.  MAILBOX BASE switches should be set to the address 1400.

  3.  INTERRUPT BASE switches should be set to the address 1200.
      (The IOM I.D. is 0.)

  4.  The CARD/TAPE bootload switch should be set to CARD.

  5.  The NORMAL/TEST switch must be in the NORMAL position.


## Bootloading BOS

BOS is bootloaded from the current IOM BOS tape by using a one-card

loader marked "BOS IOM LOADER". Behind this card is placed the COLD
or WARM card, the TAPE card, the END card, and the configuration
deck, as usual.


## Channel Assignments

Channel assignments for the IOM are listed below. These channel
numbers must be used in configuration decks, COLD or WARM cards,
etc. which are used with the IOM.

| | |
|---|---|
| Tape | $12_8$ |
| Printer A | $15_8$ |
| Printer B | $14_8$ |
| Card Reader | $16_8$ |
| Card Punch | $17_8$ |
| Operator's Console | $20_8$ |


## Problem

A bewildering problem may be experienced when running with the
IOM. It is described below:

When returning to BOS manually, BOS will hang up if the KEYBOARD
UNLOCKED light is ON on the operator's console. BOS can be unhung
in this state by hitting EOM after transferring to BOS. Never
press the RESET CONSOLE button in this state or the IOM console
channel will be placed in an inconsistent state.


## The IOM Bell

The bell on the IOM should not ring under normal circumstances.
If it does, it may be reset by pressing the ALARM RESET button
on the IOM door on which the maintenance panel is mounted. This door
will normally be open, so the button will not normally be visible.
The button will be illuminated when the alarm is ringing.