TO: Distribution
FROM: Noel I. Morris
DATE: May 26, 1973
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.

<table>
<thead>
<tr>
<th>Device</th>
<th>Channel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tape</td>
<td>12\textsubscript{8}</td>
</tr>
<tr>
<td>Printer A</td>
<td>15\textsubscript{8}</td>
</tr>
<tr>
<td>Printer B</td>
<td>14\textsubscript{8}</td>
</tr>
<tr>
<td>Card Reader</td>
<td>16\textsubscript{8}</td>
</tr>
<tr>
<td>Card Punch</td>
<td>17\textsubscript{8}</td>
</tr>
<tr>
<td>Operator's Console</td>
<td>20\textsubscript{8}</td>
</tr>
</tbody>
</table>

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.