

Subject: MCR-10057, Add errata for AU77-03 (Online Test and Diagnostics Reference Manual)

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Problem Description

On page 2-1 of the Multics Online Test and Diagnostics Reference Manual, AU77-03, a list of “hpsa” commands is provided to be added to the “system_start_up.ec” in order to allow TOLTS to be used by members of the HFED project. This list has typos in three of the “hpsa” command lines, and is missing a command to set access to the >sc1>admin_acs>set_procs_required.acs ACS segment, which is required to run ISOLTS.

Ticket <http://multics-trac.swenson.org/ticket/31> describes these issues.

Page 2-1 includes the following text:

Add the following commands to the system_start_up.ec (part 3) to give the HFED project the necessary access to the gates rcp_sys_, rcp_priv_, phcs_, and tandd_.

```
hpsa >system_library_1>rcp>sys_ re *.HFED.*
hpsa >system_library_1>rcp>priv_ re *.HFED.*
hpsa >system_library_1>phcs_ re *:HFED.*
hpsa >system_library_1>tandd_ re *.HFED.*
hpsa >system_control_1>opr_query_data rw *.HFED.*
hpsa >system_control_1>rcp>tandd.acs rw *.HFED.*
hpsa >system_control_1>cdt r *.HFED.*
```

The paragraph above the list suggests the access is being adjusted for the 4 named gates. However, it also adjusts access on >sc1>operator_query_data, >sc1>rcp>tandd.acs, and >sc1>cdt. The paragraph should be updated to reflect this.

Also, the first three commands, above, include typos. They should read:

```
hpsa >system_library_1>rcp_sys_ re *.HFED.*
hpsa >system_library_1>rcp_priv_ re *.HFED.*
hpsa >system_library_1>phcs_ re *:HFED.*
```

Finally, ISOLTS requires that members of the HFED project have rw access to the set_procs_required.acs ACS segment.

Proposed Changes

Since we do not (yet) have sources for the Multics manuals, this MCR proposes to simply add an errata for the AU77 manual. Errata for many of the other manuals exist, and it was customary to provide errata info segments along with hardcopy errata and updated manuals as part of Multics releases. Errata info segments are found in the >doc>info_segments directory and have names such as:

```
ls >doc>info>al39.errata.info

Segments = 1, Lengths = 1.

re      1  al39.errata.info
          errata.al39.info
          Processor_Manual.info

r 13:05 0.543 0
```

The proposed change is to add a new info segment, "au77.errata.info", with the add names "errata.au77.info" and "Online_Test_And_Diagnostics.info".

```
re      1  au77.errata.info
          errata.au77.info
          Online_Test_And_Diagnostics.info
```

The info segment will contain the following:

```
2019-05-25 AU77-03 (Multics Online Test and Diagnostics Reference Manual)
          Errata Information for MR12.7
```

pg 2-1: Change the paragraph:

Add the following commands to the system start up.ec (part 3) to give the HFED project the necessary access to the gates rcp_sys_, rcp_priv_, phcs_, and tandd_.

to:

Add the following commands to the system start up.ec (part 3) to give the HFED project the necessary access to the gates rcp_sys_, rcp_priv_, phcs_, and tandd_ and required segments in the >system_control_1 directory:

Replace the first two hpsa command lines after the above paragraph:

```
hpsa >system_library_1>rcp>sys_ re *.HFED.*
hpsa >system_library_1>rcp>priv_ re *.HFED.*
hpsa >system_library>phcs_ re *.HFED.*
```

with

```
hpsa >system_library_1>rcp_sys_ re *.HFED.*
hpsa >system_library_1>rcp_priv_ re *.HFED.*
hpsa >system_library_1>phcs_ re *.HFED.*
```

After the last hpsa command in the list, add the following command:

```
hpsa >scl>admin_acs>set_proc_required.acs rw *.HFED.*
```

Documentation

This is a documentation MCR, and as such, no additional documentation is needed, except that the Software Release Bulletin accompanying the next release of Multics will include mention of the errata.

Testing

None required.

Version History

Date	Revision	Author	Comment
2019-05-25	1.0	Eric Swenson	Initial revision of the MCR.
2019-05-25	1.1	Eric Swenson	Corrected a typo.