

MCR10124

Omnibus MCR to Fix Trivial Documentation Errors

Revision 1.8

Eric Swenson

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1 Problem Description

There are frequently tickets regarding documentation (manuals, errata info segments, normal info segments) that are trivial in nature. Rather than have to create an MCR for each of these, wait for it to get approved, and then fix/install, This MCR will be used as a catchall MCR for this purpose. It will be updated (revised) each time a new fix is created and this MCR number used in the approval history comment field.

1.1 Fix Bogus Index Entry in GB64

Ticket <https://multics-trac.swenson.org/ticket/17> describes a minor problem where the index in GB64 references the `new_proj` command under the 'Front-End Network Processor' heading. This clearly doesn't belong here.

The proposed fix is this:

```
cpa >doc>info>gb64.errata.info ==
```

```
Inserted in B:
```

```
B482      pg i-24; under Frong-End Network Processor (FNP), remove the entry for
```

```
B483      "new_proj 3-26".
```

```
B484
```

```
Preceding:
```

```
A482
```

```
A483      :Internal: history_comment.gi: 2020-01-31 history_comment
```

```
Comparison finished: 1 difference, 3 lines.
```

1.2 Fix Incorrect -exclude Control Argument Description in test_cpu.info

Ticket <https://multics-trac.swenson.org/ticket/135> describes a minor issue with the description of the `-exclude` control argument in the `test_cpu.info` info segment. The current info segment reads:

```
-exclude LIST, -excl LIST
    excludes tests specified in the LIST, where LIST can be either a
    valid test number or a name.
-exclude TEST_LIST, -excl TEST_LIST
    excludes the tests identified by TEST_LIST, where TEST_LIST is
    either a set of test names or numbers, from the tests that are run.
```

These should be written into one description that uses the correct syntax for lists of values. That syntax would be:

```
-exclude TEST ... TEST, -excl TEST ... TEST
```

The proposed fix is this:

```
cpa [wsp info test_cpu.info] ==
```

```
A1      03/27/85 test_cpu
```

```
Changed by B to:
```

```
B1      :Info: test_cpu: 2022-09-03 test_cpu
```

```
A23     -exclude LIST, -excl LIST
```

```
A24         excludes tests specified in the LIST, where LIST can be either a
A25         valid test number or a name.
```

```
A26     -exclude TEST_LIST, -excl TEST_LIST
```

```
A27         excludes the tests identified by TEST_LIST, where TEST_LIST is
```

```
A28         either a set of test names or numbers, from the tests that are run.
```

```
Changed by B to:
```

```
B23     -exclude TEST ... TEST, -excl TEST ... TEST
```

```
B24         excludes the specified tests from being run. TEST may be: the
B25         name of one of the tests in "List of requests for diagnostic tests"
B26         section below; or the number of the test to be excluded where
B27         test numbers are displayed by the command: test_cpu -test_names.
```

```
A333     the mc_trace command with the test_cpu command.
```

```
Changed by B to:
```

```
B332     the mc_trace command with the test_cpu command
```

```
B333
```

```
B334
```

```
B335     :hcom:
```

```
B336     /****^ HISTORY COMMENTS:
```

```
B337         1) change(2022-09-03,Swenson), approve(2022-09-03,MCR10124),
```

```
B338         audit(2022-09-03,Repair), install(2022-09-03,MR12.8-1035):
```

```
B339         Fix documentation on -exclude control argument. See ticket 135 for
B340         details.
```

```
B341                                     END HISTORY COMMENTS */
```

```
B342
```

Comparison finished: 3 differences, 25 lines.

1.3 Delete meter_fim info segment

There exists an info segment, `>doc>privileged>>meter_fim.info` for which no program exists. There is a `fim_meters` program, but it doesn't match the content of this info segment.

The proposed fix is to delete this info segment.

1.4 Fix Typo in deckfile.manager.info

Ticket <https://multics-trac.swenson.org/ticket/268> references an inconsistency in the info segment for `deckfile.manager` and the program's implementation. The `-deckfile` control argument has a short name of `-dkf`, however, the info segment says it is `-df`.

The proposed fix is to change the `-df` to `-dkf`. In addition, various space-related issues are reported by the `verify_info` tool, so those will be fixed as well.

1.5 Fix Incorrect Path to 355_macros in map355.info

Ticket <https://multics-trac.swenson.org/ticket/266> reports that the pathname to the `355_macros` macro file is incorrect in the info segment for `map355`. The correct pathname is `>ldd>mcs>info>355_macros`. The proposed fix is simply to change the pathname to be the correct one.

1.6 Fix Typo in Comment in io_page_tables.incl.pl1

Ticket <https://multics-trac.swenson.org/ticket/264> reports that a comment in `io_page_tables.incl.pl1` references the non-existent segment `io_page_tables.pl1`. This segment should be `ioi_page_tables.pl1`.

The change is best illustrated by the `compare_ascii` output:

```
A3      /* Definition of the I/O page table segment. For details of how this is
        manipulated, see io_page_table.pl1. */
Changed by B to:
B3      /* Definition of the I/O page table segment. For details of how this is
        manipulated, see ioi_page_table.pl1. */
```

The details are described in `ioi_page_table.pl1`.

1.7 Fix Incorrect info in help_system.gi.info

Ticket <https://multics-trac.swenson.org/ticket/238> reports that the documentation in `help_system.gi.info` is incorrect regarding how to get a list of valid help responses. In a recent change to the help system and its documentation, this information was moved out of `help.info` and into the separate `help_responses.gi.info` segment.

The proposed fix is to make this change:

```
cpa [wsp info help_system.gi.info] ==

A1132      help help -scn responses
Changed by B to:
B1132      help help_responses
```

Comparison finished: 1 difference, 2 lines.

1.8 Add ar97.errata.info for eis_tester

Ticket <https://multics-trac.swenson.org/ticket/203> reports that the documentation in AR97-03 for `eis_tester` incorrectly states that if you do not specify the `-b` control argument to `eis_tester` that data the program has set up for each instruction is printed before the instruction is executed. In fact, this only is printed out if the `-lg` control argument is provided.

The fix is to add an errata for AR97 that reads:

```
ar97.errata.info 10/30/22 1809.8 pdt Sun

:Info: ar97.errata: errata.ar97: System_Diagnostic_Aids: 2022-10-30 AR97 Errata

Function: This info segment provides errata and addenda information for
the Multics manual, AR97-03 titled:

    Multics System Diagnostic Aids

pg 2-47:

    In the second paragraph of the section labeled "eis_tester
    Printout",

    CHANGE:
        If you do not specify -bf (see "Usage" above) then the data that
        eis_tester has set up for this instruction is printed before the
        instruction is executed.

    TO:
        If you specify -lg (see "Usage" above) then the data that
        eis_tester has set up for this instruction is printed before the
        instruction is executed.

:hcom:
/****^ HISTORY COMMENTS:
1) change(2022-10-30,Swenson), approve(2022-10-30,MCR101024),
   audit(2022-10-30,None), install(2022-10-30,MR12.8-1048):
   Fixed description of eis_tester command's output when -bf and -lg are
   specified.

                                END HISTORY COMMENTS */
```

In addition, the info segment for `eis_tester` has the same issue and the same correction will be made to it.

1.9 Fix -from and -to control arguments in list_ref_names.info

Ticket <https://multics-trac.swenson.org/ticket/303> reports that the -fo control argument documentation for the list_ref_names.info segment is missing it's required argument N. It also notes that from -from and -to descriptions should make clear that the segment number, N, is treated as an octal integer.

The change is best illustrated by the compare_ascii output:

```
cpa [wsp info lrn.info] ==

A1      02/15/85 list_ref_names, lrn
Changed by B to:
B1      :Info: list_ref_names: lrn:
B2      2023-06-14 list_ref_names, lrn

A32      is assumed.
A33      -to
Changed by B to:
B33      is assumed. N is treated as an octal segment number.
B34      -to N

A36      assumed.
Changed by B to:
B37      assumed. N is treated as an octal segment number.

A45      segments that are not in ring 0.
Changed by B to:
B46      segm
B47
B48
B49      :hcom:
B50      /****^ HISTORY COMMENTS:
B51          1) change(2023-06-14,Swenson), approve(2023-06-14,MCR10124):
B52          Fix -to control argument description. Add note for -from and -to that N is
B53          octal.
B54
                                     END HISTORY COMMENTS */

Comparison finished: 4 differences, 19 lines.
```

2 Version History

2022-09-03	1.0	Initial version of the MCR. Fix for ticket 17: GB64 index typo.
2022-09-05	1.1	Added Fix for ticket135: test_cpu info segment fixes.
2022-09-06	1.2	Delete meter_fim.info.
2022-10-28	1.3	Fix increment control argument short name in deckfile_manager.info.
2022-10-29	1.4	Fix incorrect path to 355_macros in map355.info.
2022-10-29	1.5	Fixed typo in comment in io_page_tables.incl.pl1.
2022-10-29	1.6	Fixed incorrect documentation in help_system.gi.info regarding getting help on help responses.
2022-10-30	1.7	Added ar97.errata.info for eis_tester.
2023-06-14	1.8	Fixed -from and -to control args in list_ref_names.info. height