
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

8/10/2016

**SAFETY SYSTEM DIGITAL PLATFORM
- MELTAC (MITSUBISHI ELECTRIC TOTAL ADVANCED CONTROLLER) -
TOPICAL REPORT**

Mitsubishi Electric Corporation

TAC NO.: MF4228
RAI NO.: #1
DATE OF RAI ISSUE: 6/29/2016

QUESTION NO.: 5 for JEXU-1041-1008, "Safety System Digital Platform – MELTAC"

With regard to TR Page 55, e) In order to complete its evaluation of the MELCO platform the NRC staff needs to understand the temporary changes to field changeable process value in data table (Data Set). Please provide a description and examples of temporary changes to field changeable process values.

ANSWER:

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Figure 1 Temporary Change to Data Table

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Impact on Topical Report

The answer above will be added to Section 4.1.4.1 of the Topical Report (see Attachment-1).

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The correct download is confirmed by a different MELTAC engineering tool function that checks the F-ROM data as discussed below.

c) Verifying F-ROM data

The MELTAC engineering tool provides a manually initiated function which automatically compares the basic software and application software data in the F-ROM of the controller, bit by bit, with the basic software data and application software data stored in the MELTAC engineering tool. This function is used after a new download and during periodic surveillance tests to confirm that the data in F-ROMs is the same as the data in the MELTAC engineering tool, and therefore has not changed. This function can be used for the CPU Module while installed in the on-line Chassis because this does not make any changes to the F-ROM of the CPU Module.

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d) Controller failure diagnosis display

The MELTAC engineering tool displays the self-diagnosis result of the controllers. It shows which module is in a failed state. This function can be used for the CPU Module while installed in the on-line Chassis because this does not make any changes to the F-ROM of the CPU Module.

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e) Temporary changes to the ~~field-change-eable-process-value-in~~ data table (Data Set)

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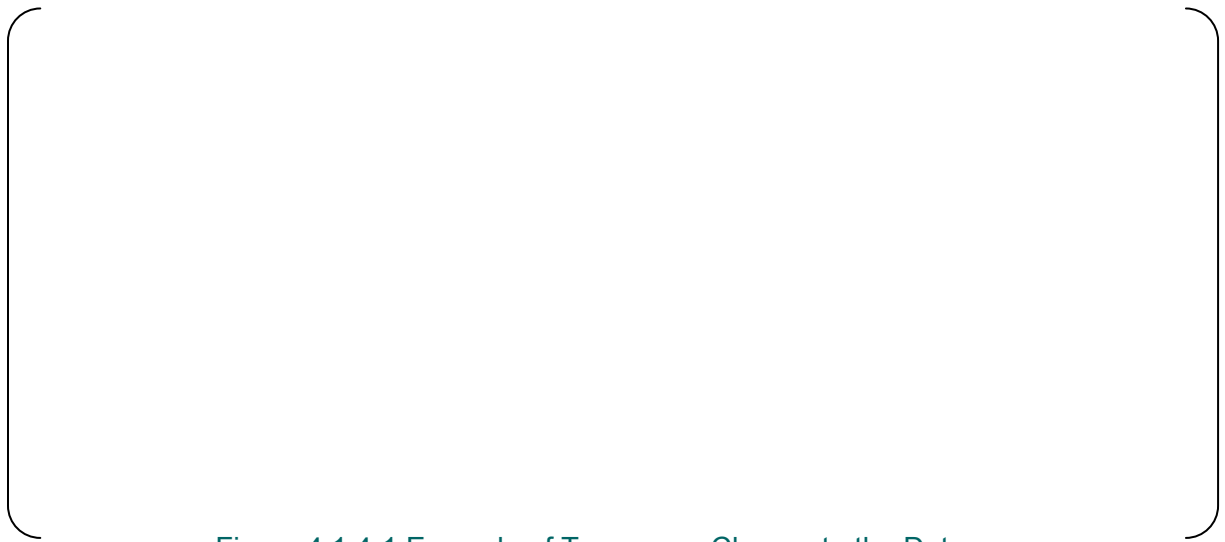


Figure 4.1.4-1 Example of Temporary Change to the Data

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