
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

9/23/2016

**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.: 1 for JEXU-1041-1018, "Summary of Compliance to the IEEE Std. 603 and IEEE Std. 7-4.3.2"

Regarding Page 10, Table 3, of this document, IEEE 603, 5.11, Identification. Does MELCO have an identification system of hardware and software applied during the design and manufacturing of the generic platform? If so this requirement applies and the NRC needs to evaluate how it is implemented. Please provide a description of platform hardware and software identification methods to demonstrate compliance with this requirement.

ANSWER:

The "Assessment" entry for Section 5.11 in Table 3 will be revised as follows:

Hardware, software and documents of the MELTAC platform are uniquely identified including "nuclear safety related" markings, as described in Section 6.1.7 of JEXU-1041-1008, "Safety System Digital Platform - MELTAC - Topical Report". This identification is controlled in accordance with MELCO's 10 CFR 50 Appendix B QAP.

Impact on Technical Report

Table 3 of JEXU-1041-1018, "Summary of Compliance to the IEEE Std. 603 and IEEE Std. 7-4.3.2" will be revised by incorporating the evaluation above (see Attachment-1).

Table 3 IEEE Std. 603 (1991) Compliance Matrix

Section	Title	Assessment	References <Document Number Sections>
5.8.3	Indication of Bypasses	This is an application specific requirement that is dependent on a plant design. Therefore this requirement is not addressed for the MELTAC platform.	None
5.8.4	Location	This is an application specific requirement that is dependent on a plant design. Therefore this requirement is not addressed for the MELTAC platform.	None
5.9	Control of Access	This is an application specific requirement that is dependent on a plant design. Therefore this requirement is not addressed for the MELTAC platform.	None
5.10	Repair	The MELTAC platform has Self-diagnosis functions and engineering tool features to facilitate timely recognition, location, replacement, repair, and adjustment of malfunctioning equipment.	<u>JEXU-1041-1008</u> 4.1.4, 4.1.5, 4.2.3
5.11	Identification	This is an application specific requirement that is dependent on a plant design. Therefore this requirement is not addressed for the MELTAC platform. <u>Hardware, software and documents of the MELTAC platform are uniquely identified including "nuclear safety related" markings, as described in Section 6.1.7 of JEXU-1041-1008, "Safety System Digital Platform - MELTAC - Topical Report". This identification is controlled in accordance with MELCO's 10 CFR 50 Appendix B QAP.</u>	None <u>JEXU-1041-1008</u> <u>6.1.7</u>
5.12	Auxiliary Features	This is an application specific requirement that is dependent on a plant design. Therefore this requirement is not addressed for the MELTAC platform.	None

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