JEXU-1041-1008, SAFETY SYSTEM DIGITAL PLATFORM - MELTAC

[MITSUBISHI ELECTRIC TOTAL ADVANCED CONTROLLER] TOPICAL REPORT '

REQUEST FOR ADDITIONAL INFORMATION (RAIS)

DELETED DURING CLARIFICATION CALL

The U.S. Nuclear Regulatory Commission (NRC) staff held a clarification call with Mitsubishi Electric Corporation (MELCO) on January 17, 2024, to ensure that MELCO understood the information being sought in the RAIs. During that meeting, MELCO directed the NRC to information already available to the staff that provide the information in the request below. Therefore, the RAI was removed, and MELCO does not need to provide additional information.

RAI Deleted As a Result of Clarification Call

Regulatory Basis: 10 CFR 50.55a(h), "Protection and Safety Systems," requires that protection systems must be consistent with their licensing basis or may meet the requirements of the IEEE Std 603-1991, "IEEE Standard Criteria for Safety Systems for Nuclear Power Generating Stations," and the correction sheet dated January 30, 1995. Clause 5.4, "Equipment Qualification" of IEEE Std 603-1991 states, in part, that safety system equipment shall be qualified by type test, previous operating experience, or analysis, or any combination of these three methods, to substantiate that it will be capable of meeting, on a continuing basis, the performance requirements as specified in the design basis. MELTAC is a safety system digital platform which shall meet the requirements in the above Clause 5.4.

Background and Issue: Section 3.2.1.6 "Safety Visual Display System" of the original SE for MELTAC does not include an evaluation finding of the safety visual display units (S-VDU). In addition, PSAI 5.2.17 of the original SE states, in part, that "The S-VDU is not approved for use in a manner such that it is required to be operational when the MELTAC safety system is called upon to initiate an automatic safety function". However, the S-VDU is included in Appendix A, "Hardware Specification" of the revised MELTAC TR, which describes modules that are used for safety systems.

Request: Please provide information to demonstrate that the S-VDU was reviewed and found to be acceptable for safety applications.