
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

APR1400 Design Certification

Korea Electric Power Corporation / Korea Hydro & Nuclear Power Co., LTD

Docket No. 52-046

RAI No.: 260-8283
SRP Section: 18 – Human Factors Engineering
Application Section: 18.6
Date of RAI Issue: 10/19/2015

Question No. 18-40

Criterion 5.4(3) of NUREG-0711 states in part that “the detailed task descriptions should address (as applicable to the task) the topics listed in Table 5-1, “Task Characteristics.” One topic is workload (e.g., overlap of task requirements).

Item 23, “Administration,” and Item 24, “Critical Functions,” in Section 4.2.1, “Task Narrative,” of the TA IP each contain a statement that certain information related to administrative workload or workload associated with plant monitoring is “well understood.” The meaning of this sentence is not clear, and the direction to the SME to document administrative tasks or monitoring tasks that may overlap with and/or affect task performance is not clear. Information about administrative tasks and monitoring tasks is also needed for the task timing analysis.

1. Clarify the information that the SME should include in these fields in the database.
2. Revise the submittal as necessary.

Response

Item 23 and 24, in Section 4.2.1 of the TA IP will be revised, as indicated in the attachment associated with this response, to direct the SME to document administrative and monitoring tasks which may affect task performance in accordance with Sections 4.3.1.2.4 and 4.3.1.2.5 of the TA IP, respectively. Sections 4.3.1.2.4 and 4.3.1.2.5 state a consensus of a minimum of two plant operations SMEs must determine the standard multiplying factors, and direct the SMEs to enter the standard multiplying factors, the names of the personnel who developed the standard multiplying factors, and the basis of the value of the standard multiplying factors into the TA database.

Impact on DCD

There is no impact on the DCD.

Impact on PRA

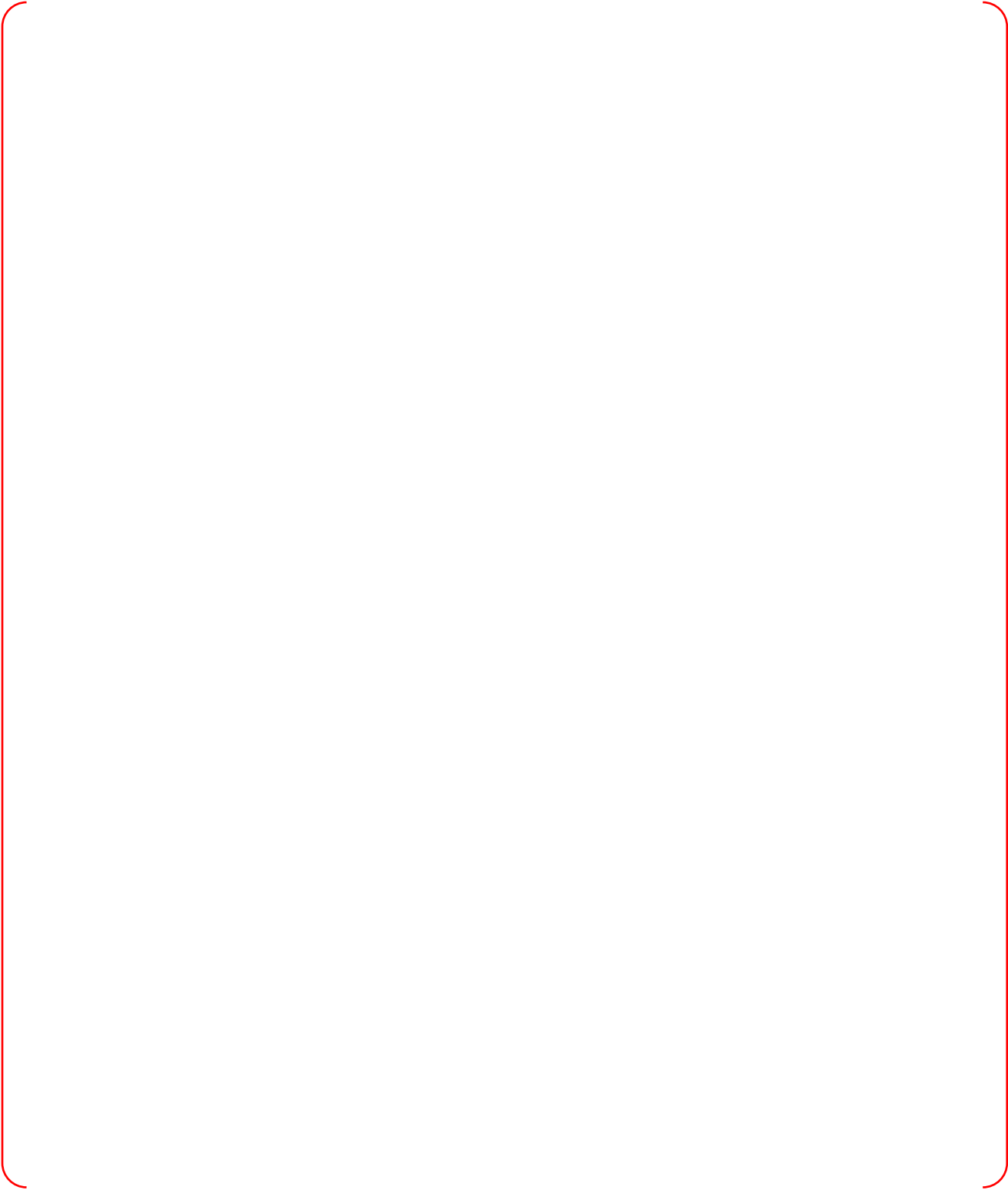
There is no impact on the PRA.

Impact on Technical Specifications

There is no impact on the Technical Specifications.

Impact on Technical/Topical/Environmental Reports

Technical report APR1400-E-I-NR-14004-NP, Rev.0, "Task Analysis Implementation Plan," Section 4.2.1 will be revised, as indicated in the attachment associated with this response.



4.2.2. Human-System Interface Inventory



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