

Request for Additional Information No. 76 (921), Revision 0

10/2/2008

U. S. EPR Standard Design Certification
AREVA NP Inc.
Docket No. 52-020
SRP Section: 18 - Human Factors Engineering
Application Section: 18.4
COLP Branch

QUESTIONS

18-32

Section 5.3 of NUREG-0711 states that the applicant should provide for the staff review an implementation plan for conducting task analysis. Upon completion of the applicant's efforts, a results summary report should be submitted so that the staff can review the applicant's identification of tasks that are needed for function accomplishment and the information, control and task-support requirements using the criteria provided in section 5.4.

This implementation plan should discuss the methodology used for determining procedures and time constraints for operator actions. The topical report (ANP-10279) referenced in the DC FSAR submittal states that the operating procedures for the U.S. EPR are based on the work developing procedures for the OL3 EPR plant. Neither the DC FSAR nor the topical report discuss development of an implementation plan.

Please provide the Task Analysis report that was conducted for the OL3 plant and information about how AREVA NP plans to conduct Task Analysis for the U.S. EPR design as well as the results summary report.

18-33

Section 13.4 part 2 of Nureg-0711 states that a human performance monitoring strategy should be developed and documented. The U.S. EPR FSAR states that the EPR operator should maintain a program which meets the intent of the strategy including summarizing a human performance implementation strategy. There is confusion about whether this means that the development of an implementation plan is the responsibility of the COL applicant or AREVA.

Please clarify roles and responsibilities related to the human performance strategy, and provide a detailed Human Performance Implementation Plan for conducting Human Performance Monitoring.