

57-001

Minutes from GE/NRC Conference Call to discuss the development of the ABWR Inventory, SSAR Appendix 18F, 04/30/92.

The conference call focussed on the development of the ABWR Inventory, Appendix 18F of the GE ABWR SSAR. The enclosure describes the general questions discussed and the answers provided. The agreed to path for resolution of each of these items is provided.

Q. What is the scope of the inventory?

A. Scope of inventory was the ABWR EPGs and the set of operator actions identified as a result of the PKA studies being performed by GE. Other areas (e.g., SPDS requirements) which are identified in the body of the SSAR as ABWR design requirements which were not identified in this analysis are not included in the inventory. The minimum inventory does not include a complete list of all fixed displays expected in the ABWR control room.

Path to resolution:

GE to provide additional description in the introduction to appendix 18F on the scope of the inventory and that it does not necessarily include other design requirements not identified in the analysis.

Q. What criteria was used to determine which displays, controls, and alarms were included in the minimum inventory set?

A. The criteria used to determine which items were included in the minimum inventory set was based on an engineering analysis of the various system engineering drawing and as a result of a review of the inventory by operations personnel with prior experience with the implementation of the EPGs.

Additionally, items identified in the body of the inventory in "bold print" or subsequently "underlined" are described in the introduction of Appendix 18F as the "primary means of executing a particular control, display or alarm function". These items are generally part of the minimum inventory. When an item is identified as the "primary means" but does not appear in the minimum inventory it is because another control display or alarm already part of the minimum inventory can provide the information required.

Path to resolution:

GE will provide additional information in the introduction to Appendix 18F to describe the criteria for selection of items for the minimum inventory. GE will review the inventory, and all items identified as the "primary means" which do not appear in the minimum set will be identified and a description of why they are not included will be provided. This description will include the control, display, or alarm in the minimum inventory which is used in

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Q. What criteria was used to determine which items in the inventory are specified as "fixed-position" vs displayed on VDU or other means?

A. The philosophy of allocating particular inventory items to specific types of devices was the result of the engineering analysis performed by GE in support of the K6/K7 development.

Path to resolution:

GE will provide a description of the philosophy for allocating inventory items to specific devices as part of the descriptions provided at the beginning of Appendix 18F.

Additional commitments:

- 1) GE will revise the introduction to Appendix 18F to remove the reference to "touch operations" and revise the examples given as "fixed mimic" to ensure this description is consistent with the remainder of chapter 18.
- 2) GE will ensure that the ITAAC/DAC and other relevant sections of chapter 18 contain a statement on how and where the Appendix F inventory will be incorporated into the design process.
- 3) GE will factor the additional staff comments provided in the enclosures to the conference call into the inventory analysis. GE will conduct a verification of the entire inventory to determine if any additional EPG steps have been omitted.
- 4) GE will research and discuss with their management what aspects of the inventory will be tier 1 commitment for design certification.

its place.

Q. What version of the EPGs is the inventory based on?

A. Inventory based on Amendment 19 of the SAR. Since amendment 19 the EPGs have been revised (GE submittal 071-92), however, these revisions have not affected the inventory.

Path to resolution: No actions required

Q. Why is only one operator action from the set of actions identified in the PRA section 18-F.2 described in the inventory?

A. Only one operator action based on the PRA is identified in the inventory because the other actions identified in section 18F.2 were previously described in the body of the inventory analysis. GE stated that a paragraph describing the location of these operator actions in the inventory was inadvertently omitted from the GE submittal of Appendix 18F.

Path to resolution:

GE to provide a revised section 18F.2 to include this discussion.

Q. How were the operator actions described in section 18F.2 determined?

A. The actions are being determined from the PRA update process and the sensitivity study conducted by GE. Specifics on how these particular actions were determined was unavailable during the conference call.

Path to resolution:

GE will ensure that a discussion of how the operator actions identified in section 18F.2 were determined as part of the chapter 19 of the SSAR. This discussion will include the rationale for not including five actions treated as important in the PRA as part of the set of actions analyzed in the inventory. Further GE will reference the chapter 19 description in section 18F.2.

Q. Are all items identified as "Fixed-position" in the body of the tables expected to be a part of the minimum inventory presented in table 18F-13?

A. GE responded that not all items identified in the inventory as "fixed position" are expected to be part of the minimum inventory.

Path to resolution: GE to provide criteria for determining when a "fixed-position" item is incorporated as part of the minimum inventory.