

## 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.: 373-8480

SRP Section: 18 – Human Factors Engineering

Application Section:

Date of RAI Issue: 01/22/2016

### **Question No. 18-93**

NUREG-0711 Criterion 8.4.4.3(1), "Technical Support Center," states in part that the applicant should describe **how** the HSIs give personnel information needed to provide reliable voice communications facilities to the control room, operations support center, the EOF, the NRC, and state and local operations centers.

The staff did not find **how** reliable communications will be provided for communication with TSC personnel and personnel in other emergency response facilities.

Describe **how** the HSIs give personnel information needed to provide reliable voice communications facilities to the control room, operations support center, the EOF, the NRC, and state and local operations centers.

### **Response**

The technical support center (TSC) reliable voice communications facilities include:

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Section 4.1.4.18 of the Human-System Interface Design Implementation Plan will be revised to include information regarding how reliable communications will be provided for communication

with TSC personnel and personnel in other emergency response facilities, as indicated in the attachment associated with this response.

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**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-14007-NP, Rev.0, "Human-System Interface Design Implementation Plan," Section 4.1.4.18 will be revised, as indicated in the attachment associated with this response.

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**4.1.4.16 Alarms for Credited Manual Operator Actions**

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**4.1.4.17 Safe Shutdown from Outside the MCR**

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**4.1.4.18 Technical Support Center**

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