



GE Energy

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MFN 07-004

Docket No. 52-010

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U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555-0001

Subject: Schedule for Submitting ESBWR Instrumentation and Control Licensing  
Topical Reports

The purpose of this letter is to provide a summary of General Electric's plans and schedule for the submittal of ESBWR Instrument and Control Licensing Topical Reports (LTR) as discussed during the ESBWR Instrument and Control audit conducted by the NRC during the week of November 13, 2006.

General Electric commits to submitting the selected ESBWR Instrumentation and Control Licensing Topical Reports in accordance with the schedule of Enclosure 1. Enclosure 1 summarizes the reason for the submittal and the expected use by the NRC of the submitted LTR.

If you have any questions or require additional information regarding the information provided here, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Kathy Seadney for".

James C. Kinsey  
Project Manager, ESBWR Licensing

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Reference:

None

Enclosures:

- 1 MFN 07-004, Schedule for Submitting ESBWR Instrumentation and Control Licensing Topical Reports

cc: AE Cubbage USNRC (with enclosures)  
David Hinds (with enclosures)

**MFN 07-004**

**Enclosure 1**

**Schedule for Submitting  
ESBWR Instrumentation and Control  
Licensing Topical Reports**

<b>Licensing Topical Report Title and Revision Number</b>	<b>Reason for Submittal</b>	<b>Commitment Date</b>
NEDO-33294, ESBWR Safety Criteria for Instrumentation & Control Systems, Revision 0	This LTR will supplement the information in DCD Tier 2 Revision 3 Chapter 7. Additional detailed information will be provided in the LTR so that the NRC will understand the methods by which each I&C system described in the DCD is expected to meet the IEEE Standard 603 attributes that constitute the DAC. Providing this detailed information as early as possible will facilitate the NRC review to determine compliance of the ESBWR Instrumentation & Control Systems' design with the DAC.	April 20, 2007
NEDC-33288P, Application of Nuclear Measurement Analysis and Control for a New BWR (NUMAC Platform Architecture) – Revision 0 without references and qualification reports	Rev. 0 is intended to provide the basic structure and overview of the NMS/RPS NUMAC architecture but it will not include 1.) reference reports and documents that will be provided in Revision1 or 2.) qualification reports that will be provided in Revision 2. Revision 0 information is provided in accordance with DG-1145 section C.III.5 that requests detailed information for implementing a DAC be provided as early as possible to avoid potential impacts on the COL plans and schedules.	February 28, 2007
NEDC-33288P, Application of Nuclear Measurement Analysis and Control for a New BWR (NUMAC Platform Architecture) – Revision 1 with references but without qualification reports	Rev. 1 is intended to provide the basic structure and overview of the NMS/RPS NUMAC architecture with reference reports and documents but without the qualification reports that will be provided in Revision 2. Revision 1 information is provided in accordance with DG-1145 section C.III.5 that requests detailed information for a DAC be provided as early as possible to avoid potential impacts on the COL plans and schedules.	October 31, 2007
NEDC-33288P, Application of Nuclear Measurement Analysis and Control for a New BWR (NUMAC Platform Architecture) – Revision 2 with references and qualification reports	Rev. 2 is intended to provide the basic structure and overview of the NMS/RPS NUMAC architecture with reference reports and documents and with qualification reports. Revision 2 information is provided in accordance with DG-1145 section C.III.5 that requests detailed information for a DAC be provided as early as possible to avoid potential impacts on the COL plans and schedules.	March 31, 2008

<b>Licensing Topical Report Title and Revision Number</b>	<b>Reason for Submittal</b>	<b>Commitment Date</b>
ECCS/ESF Licensing Topical Report* (Platform Architecture) – Revision 0 without references and qualification reports	Rev. 0 is intended to provide the basic structure and overview of the ECCS/ESF architecture but it will not include 1.) reference reports and documents that will be provided in Revision1 or 2.) qualification reports that will be provided in Revision 2. Revision 0 information is provided in accordance with DG-1145 section C.III.5 that requests detailed information for a DAC be provided as early as possible to avoid potential impacts on the COL plans and schedules.	February 28, 2007
ECCS/ESF Licensing Topical Report* (Platform Architecture) – Revision 1 with references but without qualification reports	Rev. 1 is intended to provide the basic structure and overview of the ECCS/ESF architecture with reference reports and documents but without the qualification reports that will be provided in Revision 2. Revision 1 information is provided in accordance with DG-1145 section C.III.5 that requests detailed information for a DAC be provided as early as possible to avoid potential impacts on the COL plans and schedules.	October 31, 2007
ECCS/ESF Licensing Topical Report* (Platform Architecture) – Revision 2 with references and qualification reports	Rev. 2 is intended to provide the basic structure and overview of the ECCS/ESF architecture with reference reports and documents and with qualification reports. Revision 2 information is provided in accordance with DG-1145 section C.III.5 that requests detailed information for a DAC be provided as early as possible to avoid potential impacts on the COL plans and schedules.	March 31, 2008
Cyber Security Program Plan* – Revision 0	Rev. 0 is intended to provide the attributes and requirements of the ESBWR software cyber security program. This information is provided in accordance with DG-1145 section C.III.5 that requests detailed information for a DAC be provided as early as possible to avoid potential impacts on the COL plans and schedules. The commitment date is predicated on the assumption that there will be significant changes to NRC guidance in the summer of 2007. If significant changes are not forthcoming, the actual submittal date could be expedited.	April 26, 2008

\* LTR number not assigned. The Title is subject to change.