

## ESBWR DCD Tier 1

### 26A6641AB Revision 9 to Revision 10 Change List

Item	Location	Description of Change
1.	Cover Page	Added GE Hitachi Logo per GEH branding requirements. Changed date from December 2010 to April 2014. Copyright date also changed to 2014.
2.	Entire Chapter	Header changed from Revision 9 to Revision 10.
3.	S1.1.1	Added new definition, for “ASME Code”. This change is per ESBWR DCWG Meeting of 6/20/2013.
4.	S2.1.1, Design Description (16) - new	Per response to RAI 3.9-291 (final markups provided in response to RAI 3.9-292 S03), added new Item (16) to Design Description: The as-built steam dryer predicted peak stress is below the fatigue limitation.
5.	T2.1.1-3, ITAAC 16 - new	Per response to RAI 3.9-291, as modified by response to RAI 3.9-291 S05 (final markups provided in response to RAI 3.9-292 S03), added new ITAAC 16 to confirm the as-built steam dryer predicted peak stress is below the fatigue limitation.
6.	S2.1.2, Design Description (2)a1	Deleted to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
7.	T2.1.2-3, ITAAC 2a1	Deleted ITAAC to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
8.	T2.1.2-3, ITAAC 2a2, Acceptance Criteria	Reworded Acceptance Criteria to clarify final ASME Code Design Report will address compliance of as-built component design to the requirements of ASME Code Section III. This change is per ESBWR DCWG Meeting of 6/20/2013.
9.	S2.2.2, Design Description (2)a1	Deleted to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
10.	T2.2.2-7, ITAAC 2a1	Deleted ITAAC to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.

## ESBWR DCD Tier 1

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11.	T2.2.2-7, ITAAC 2a2, Acceptance Criteria	Reworded Acceptance Criteria to clarify final ASME Code Design Report will address compliance of as-built component design to the requirements of ASME Code Section III. This change is per ESBWR DCWG Meeting of 6/20/2013.
12.	S2.2.4, Design Description (10)a1	Deleted to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
13.	T2.2.4-6, ITAAC 10a1	Deleted ITAAC to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
14.	T2.2.4-6, ITAAC 10a2, Acceptance Criteria	Reworded Acceptance Criteria to clarify final ASME Code Design Report will address compliance of as-built component design to the requirements of ASME Code Section III. This change is per ESBWR DCWG Meeting of 6/20/2013.
15.	S2.4.1, Design Description (2)a1	Deleted to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
16.	T2.4.1-3, ITAAC 2a1	Deleted ITAAC to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
17.	T2.4.1-3, ITAAC 2a2, Acceptance Criteria	Reworded Acceptance Criteria to clarify final ASME Code Design Report will address compliance of as-built component design to the requirements of ASME Code Section III. This change is per ESBWR DCWG Meeting of 6/20/2013.
18.	S2.4.2, Design Description (2)a1	Deleted to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
19.	T2.4.2-3, ITAAC 2a1	Deleted ITAAC to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.

## ESBWR DCD Tier 1

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20.	T2.4.2-3, ITAAC 2a2, Acceptance Criteria	Reworded Acceptance Criteria to clarify final ASME Code Design Report will address compliance of as-built component design to the requirements of ASME Code Section III. This change is per ESBWR DCWG Meeting of 6/20/2013.
21.	S2.6.1, Design Description, third paragraph	Corrected acronym “RWCU/SCS” to “RWCU/SDC” for Reactor Water Cleanup/Shutdown Cooling system. This is a correction of a typographical error and the corrected acronym is consistent with usage throughout the section and DCD.
22.	S2.6.1, Design Description (8)a1	Deleted to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
23.	T2.6.1-2, ITAAC 8a1	Deleted ITAAC to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
24.	T2.6.1-2, ITAAC 8a2, Acceptance Criteria	Reworded Acceptance Criteria to clarify final ASME Code Design Report will address compliance of as-built component design to the requirements of ASME Code Section III. This change is per ESBWR DCWG Meeting of 6/20/2013.
25.	S2.6.2, Design Description (2)a1	Deleted to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
26.	T2.6.2-2, ITAAC 2a1	Deleted ITAAC to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
27.	T2.6.2-2, ITAAC 2a2, Acceptance Criteria	Reworded Acceptance Criteria to clarify final ASME Code Design Report will address compliance of as-built component design to the requirements of ASME Code Section III. This change is per ESBWR DCWG Meeting of 6/20/2013.
28.	S2.11.1, Design Description (2)a1	Deleted to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.

## ESBWR DCD Tier 1

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29.	T2.11.1-1, ITAAC 2a1	Deleted ITAAC to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
30.	T2.11.1-1, ITAAC 2a2, Acceptance Criteria	Reworded Acceptance Criteria to clarify final ASME Code Design Report will address compliance of as-built component design to the requirements of ASME Code Section III. This change is per ESBWR DCWG Meeting of 6/20/2013.
31.	S2.13.1, Design Description, first paragraph, last two sentences	In response to RAI 8.1-22, changed “ancillary diesel buses” to “ancillary diesel generator buses” (2 places).
32.	S2.13.1, Design Description, second paragraph	In response to RAI 8.1-22, and for consistency, capitalized “Main Control Room”.
33.	S2.13.1, Design Description (14)a and (14)b - new	<p>In response to RAI 8.1-22, added new Items (14)a and (14)b to Design Description:</p> <ul style="list-style-type: none"><li>(14)a. Monitoring of the normal and alternate power feeds on the high voltage side of the UAT and RAT using the potential and current transformers of the digital protective relaying used for transformer protection is provided to detect open phase conditions, whether one, two, or three phases, with or without accompanying ground faults.</li><li>b. All three phases of all the UAT or RAT shall be monitored for undervoltage, open phase, and ground faults by the specific transformer protective relay. When an undervoltage, open phase or ground fault is detected in any combination of one, two or three phases by the designated UAT or RAT protective relay, the protective relay shall send an alarm via the DCIS alarm system to the Main Control Room.</li></ul>

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34.	T2.13.1-2, ITAAC (14)a - new	In response to RAI 8.1-22, added new ITAAC 14a to specify a method to detect open phase conditions.
35.	T2.13.1-2, ITAAC (14)b - new	In response to RAI 8.1-22, added new ITAAC 14b to specify that an alarm is to initiate in the Main Control Room upon detection of an open circuit or ground fault.
36.	T2.13.4-2 ITAAC #4	Corrected typo of Table 2.13.4-2 ITAAC #4 in the Design Commitment and Acceptance Criteria columns to reference to Table 2.13.4-1 instead of to Table 2.13.4.2 (referenced to itself).
37.	S2.15.1, Design Description (2)a1	Deleted to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
38.	T2.15.1-2, ITAAC 2a1	Deleted ITAAC to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
39.	T2.15.1-2, ITAAC 2b1, Acceptance Criteria	Reworded Acceptance Criteria to clarify final ASME Code Design Report will address compliance of as-built component design to the requirements of ASME Code Section III. This change is per ESBWR DCWG Meeting of 6/20/2013.
40.	S2.15.4, Design Description (2)a1	Deleted to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
41.	T2.15.4-2, ITAAC 2a1	Deleted ITAAC to remove requirement for NRC review of interim ASME Code Design Reports at numerous GEH suppliers. This change is per ESBWR DCWG Meeting of 6/20/2013.
42.	T2.15.4-2, ITAAC 2a2, Acceptance Criteria	Reworded Acceptance Criteria to clarify final ASME Code Design Report will address compliance of as-built component design to the requirements of ASME Code Section III. This change is per ESBWR DCWG Meeting of 6/20/2013.