

Operational Plans

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NRC/ASME Semi-Annual
Management Meeting

Operational Plans

- Standards Committee XI
 - Operates under a Top Ten Priority List
 - Helps keep the subordinate committees focused
 - Aligns the committees on the industry issues
 - Is discussed at the Executive Committee
 - Approved at the Administrative Committee
 - Is a living document and reviewed/updated every meeting

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- Standards Committee XI (cont.)
 - Recently the NRC developed their top priority list
 - The NRC is an end user and it is important to have their input on what the committee should be working on.
 - SC XI compared the existing Top Ten List with the NRC top priority list
 - It was not surprise that the lists included several items that were the same.

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Record #	Group	Description
09-1145	TG Alloy 600	Code Case N-770-2 changes to incorporate optimized weld overlay and difficult to inspect large diameter cold leg temperature locations
06-500 (13)	WGWSRP	Code Case N-754 to address optimized dissimilar metal weld overlay used for mitigation and repair
11-4	WGFE	Develop fatigue crack growth reference curves for austenitic steels in water environments
09-822	WGWSRP	Revise Code Case N-740-2 to address the previous NRC negatives as well as what has been done on MRP-169 with the NRC for N-740-2
11-232 (12)	WGPT	Rules for Disposition of Leakage Identified Outside of Section XI
11-822 (9)	TGBCI&T	Development of Rules for Addressing Buried Piping
08-1595	WGFE	Improvements to stress intensity factor solutions in Appendix A for Buried Flaws
07-1328 (7)	SWGHTGR	Revise Division 2 of Section XI to incorporate New Reactor Designs
05-1328	WGFE	Code Case N-749 - Flaw Evaluation Acceptance Criteria for Ferritic Components based on Elastic Plastic Fracture Methods.
11-835 (14)	WGWSRP	Revise Code Case N-766 for inlay to resolve NRC comments
10-1845(16)	WGWSRP	New Code Case to develop rules for partial examination and weld repair of dissimilar metal welds
11-1348(10)	TG for Alt NDE for RRA	UT in lieu of RT (Code Case N-713)
11-666 (15)	TGHSNA	Revision to N-770-2 to include Surface Stress Improvement
11-1103 (1)	SC XI	N-808 "HDPE for Section XI"

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No.	Code Section	Topic	Description
1	III/IX/XI	HDPE Piping	Qualification of fusion procedures and incorporation of Section IX requirements. NDE of fusion welds and pipe. Fire resistance/management issue. Evaluation of industry Code Case. Develop comprehensive rules for the design, fabrication and examination of high-density polyethylene piping in safety-related buried piping systems.
2	III/XI	"Analytical Evaluation"	Under what conditions may an "analytical evaluation" approach be applied for acceptance of full penetration butt welds in vessels and piping in lieu of weld repair when the acceptance standards of NB-5000 or NC-5000 are not satisfied?
3	III/XI	Performance-Based VT	Start implementing some of the finding identified in NUREG/CR-6860 and NUREG/CR-6943.
4	XI	Performance-Based UT	All Class 1 & 2 Welds Requiring UT Examination be performed using Section XI, Appendix VIII. Qualifications, including corrosion resistant cladding (based on overlays, onlays, inlays, etc) and cast stainless steel (based on NUREGs).
5	III	Environmental Effects on Fatigue	Develop fatigue curves or methods for considering environmental effects. Finalizing the 2 nd Code Case (N-761).
6	III	Steam Generator PSI Requirements	Develop pre-service inspection requirements for steam-generator tubing in new reactors.
7	III/XI	Support for Small Modular Reactors (SMRs)	Provide support for evaluating the adequacy and completeness of design and inservice inspection rules that are applicable to SMRs.
8	III	Fitness-for-Service Flaw Evaluation	Develop rules for evaluating the acceptability of flaws in piping and vessel welds for new reactors.
9	III/XI	Buried Piping	In-service Inspection and consensus path forward.

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10	III/XI	UT in Lieu of RT	Code Case N-713: <ul style="list-style-type: none"> - Applicability - Revised acceptance criteria for fabrication flaws (as simply applying Section XI acceptance criteria may result in accepting welds with poor workmanship) - Performance demonstration requirements including: (1) acceptance criteria for length and depth sizing of fabrication flaws, and (2) mockup requirements. UT for RT for New Construction.
11	III	Risk Based Methodologies for Evaluation of Weld Indications	Would be worthwhile to see if a consensus could be reached on this topic.
12	XI	Rules for Disposition of Leakage Identified Outside of Section XI	Requirements for scope expansion and applicability of ASME rules would add significant value. Additionally, degraded conditions other than leakage should be considered as well.
13	XI	Code Case N-754 to address optimized dissimilar metal weld overlay used for mitigation and repair	Reduce relief requests.
14	XI	Revise Code Case N-766 for inlay to resolve NRC comments	Reduce relief requests.
15	III/XI	New Code Case for qualified peening techniques for use as a mitigation technique with ASME Code Case N-770	I believe this is being discussed. Similar to the inlay/onlay code case, having a code case that directly addresses the allowed application techniques and quality controls for peening as a mitigation category under N-770.
16	XI	New Code Case to develop rules for partial examination and weld repair of dissimilar metal welds	Determine if this is going to be a viable option.
17	III	Code Simplification	Removing repetitions in NC and ND and possibly NE.
18	III	Clarification of Subsection NE Requirements	AP-1000 containment is being constructed to NE – there are application difficulties. Other new reactors are expected to have similar difficulties.