

ASME Liaison Report

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Risk-Informed In-service Testing (IST) standard development

ASME has developed a Risk-Informed Inservice Testing standard entitled ISTE which will provide nuclear licensees with consistent guidance in testing affected pumps and valves, with the scope and frequency of testing commensurate with the component's safety significance. This standard will integrate various risk-informed ASME Code Cases for Check Valves (OMN-4), Pumps (OMN-7), MOVs (OMN-11), and AOVs (OMN-12) into the new standard, with the Code Cases being superseded.

The ISTE standard has been approved by the ASME O&M Main Committee and is awaiting publication.

ASME draft Standard OM-29

Draft standard OM-29 to address safety-related, low safety significant pump and valve treatment has been developed, and is being prepared for initial balloting. This standard will define terms such as 'reasonable confidence' and 'reasonable assurance', while providing guidance for appropriate treatment combinations for safety-related components removed from regulatory requirements. The NRC continued to express support for this standard at a July 11 industry meeting. This may be an area for future IEEE consideration to pursue guidance for low safety significant electrical components.

ASME Interactions on 10CFR 50.69

10CFR 50.69 is an approved rule which allows the special treatment requirements (Class 1E, EQ, etc) currently invoked on safety-related equipment categorized as low safety significant to be reduced. 50.69 relies on an NEI Guideline (NEI-00-04) for categorization of active components and on ASME Code Cases (N-660, N-752) for passive categorization.

Code Case N-660 is referenced by Wolf Creek in a PWROG Topical Report submittal to the NRC on 50.69 categorization. In addition, N-752 is referenced in a submittal by Arkansas Nuclear One (ANO) requesting risk-informed approaches to ASME Section XI Repair & Replacement activities. Both submittals are currently under review by the NRC.

IEEE-627 Update and Issuance

IEEE SC-2.10 has been chartered to bring IEEE-627 (Qualification of Equipment used in Nuclear Facilities) to a current approved status. To ensure ASME insights are considered in the update of this Standard, the ASME Chair of QME-1 has participated on two recent teleconference meetings discussing updates. This involvement has proven to be beneficial and has better aligned approaches for 627 and QME.

Nuclear Risk Management Coordinating Committee (NRMCC)

ASME and the American Nuclear Society (ANS) formed a joint industry oversight group (members include industry reps, NEI, NRC, ASME, ANS, etc) to better coordinate the usage of risk-related insights and standards development within the nuclear industry. NRMCC addresses development and integration of risk modeling standards and guidelines for new reactor technologies. To date, IEEE has somewhat supported past NRMCC telecons; however, no direct IEEE participation or membership in the NRMCC has occurred.

Representatives from ASME/NRMCC are scheduled to make a presentation to NPEC on August 29. Following this presentation, NPEC should strategically determine the level of IEEE involvement onto the NRMCC as well as discuss industry risk-related activities and the role that IEEE should undertake to support industry activities.