

IEEE/ASME/QA Liaison report to SC-2/09-2, Sarasota, FL, 11/10, 2009  
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1. Subject: SUBPART 4.X “Application Guide on the Comparison of NQA-1-2008/NQA-1a-2009, and International Atomic Energy Agency (IAEA) Safety Standard GS-R-3”

2. Proposal

To review and compare the IAEA GS-R-3 “The Management System for Facilities and Activities” safety series standard with ASME NQA 2008 and NQA-1a-2009, which is to be issued in the last quarter of 2009, and develop a new SubPart 4.X. The new IAEA document GS-R-3 was issued in July 2006 for management systems for nuclear power facilities to replace the IAEA 50-C-Q “Quality Assurance for Safety in Nuclear Power Plants and other Nuclear Installations. This review produced a side-by-side comparison of the two standards and a new SubPart 4.X application was developed.

3. Explanation

With the issuance of this new IAEA management systems standard the IAEA has superseded the previously issued Quality Assurance document (IAEA 50-C-Q) with this new overall management systems concept that is broader based across the management of facilities. This approach is being used internationally and there is an identified need for clarification of the applicability and use of the current NQA Standard for international application for products manufactured and supplied and also for facility construction.

Have not yet officially been accepted as a liaison member to the NQA-1 committee, but have been working on a project that should help to solidify the position.

Due to some procedural requirements, it appears that no new members, liaison or otherwise, can be appointed until the next general meeting, which occurred in October, 2009. My name has been submitted and is expected to be approved, particularly since I am now an active member of a working group.

The WG is preparing Subpart 4.XXX to NQA-1, 2009, entitled “Application Guide on the Comparison of NQA-1a-2009, and International Atomic Energy Agency (IAEA) Safety Standard GS-R-3, The Management System for Facilities and Activities.”

This is a new safety report to assist the global users of both requirements standards, NQA-1 and GS-R-3. As such, it is expected to fulfill the role that we have envisioned. For a US plant that must meet NQA-1, it provides guidance and a comparison as to how an organization that conforms to GS-R-3, outside the US, can meet the NQA-1 requirements. Likewise, for an NQA-1 supplier, it provides guidance as to how they can meet the requirements of GS-R-3 to effectively supply to a customer outside the US that needs to meet GS-R-3.

In other words, what a GS-R-3 supplier, e.g., Siemens, has to do to satisfy the requirements of an NQA-1 user, e.g., Duke Power. Alternatively, what an NQA-1 supplier, e.g., Rosemount, has to do to satisfy the requirements of a GS-R-3 user, such as OL-3.

The WG Chairman is from the USDOE  
 Project leader and Sponsor are with IAEA  
 Team members are from Germany, Slovenia, UK, Spain, and the US; representing  
 Regulators, Utilities, equipment vendors, and NSSS Vendors.

The project deliverables and status is as follows:

**NQA-1 and IAEA COMPARISON PROJECT  
 TASK & PUBLICATION SCHEDULE**

JUNE 2009	Project planning & prepare 1 <sup>st</sup> draft June 26 <sup>th</sup> input to the introductory pages
JULY	Complete 1 <sup>st</sup> draft July 1 <sup>st</sup> telecon for discussion of input on introduction.
AUGUST	Release 1 <sup>st</sup> draft via electronic administrative review & comment to NQA and BNCS and IAEA
SEPTEMBER	Prepare final draft for 1 <sup>st</sup> ballot
OCTOBER	Oct. 4 <sup>th</sup> - Release 1 <sup>st</sup> ballot to NQA and BNCS for info Ballot close on Oct. 30 <sup>th</sup> Notify IAEA staff Oct. ?? - Applications SC meeting to discuss major issues
NOVEMBER	2 <sup>nd</sup> Ballot? BNCS Procedural Ballot
DECEMBER	ASME Publication
JANUARY/FEBRUARY 2010	2010 Addenda

A presentation was made in June to the ASME BNCS providing the status of the project.  
 That report is being made available as part of the meeting minutes/notes.