

ITAAC Closure Notifications Examples Review

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Scope

- Industry will submit new ITAAC Closure Notifications (ICNs) as part of the Expanded ICN Examples Project
- NRC will review these ICNs for sufficient information to support ITAAC closure verification
- Total of 53 examples will be included in NEI 08-01 (22 existing+ 4 ITAAC Demo + 27 proposed)

ICN Example Review

- ICN for AP1000 ITAAC 2.3.06.02a
- Group D29
- Verify by inspection that the as-built components are designed and constructed per ASME Code Section III as documented in their ASME design reports and code data reports
- Resubmitted ICN example provides sufficient information to support ITAAC closure verification

ICN Example Review

- ICN for AP1000 ITAAC 2.3.06.03a
- Group D30
- Inspection verifies as-built pressure boundary welds are performed per ASME Code Section III
- Add a statement indicating that only applicable non-destructive examinations be listed on the actual ICN
- After incorporating the comment, resubmitted ICN example provides sufficient information to support ITAAC closure verification

ICN Example Review

- ICN for AP1000 ITAAC 2.3.06.04b
- Group D31
- Verify by hydrostatic test that ASME Code Section III piping conforms with the code requirements
- Reference the hydrostatic test procedure
- After incorporating the comment, resubmitted ICN example provides sufficient information to support ITAAC closure **verification**

ICN Example Review

- ICN for AP1000 ITAAC 2.3.06.04b
- Group D37
- Verify by inspection that the RCS cold legs piping centerline is 17.5 inches +/- 2 above the hot legs piping
- The IDB should state “...the elevation difference in between hot leg and cold leg...”
- Resubmitted ICN example provides sufficient information to support ITAAC closure verification

ICN Example Review

- ICN for AP1000 ITAAC 2.1.02.11a.i
- Group D40
- Verify by testing that controls in the MCR operate to cause a signal at squib valve electrical leads that is capable of actuating the valve
- Resubmitted ICN example provides sufficient information to support ITAAC closure verification

ICN Example Review

- ICN for AP1000 ITAAC 2.2.02.05a.i
- Group D43
- Verify by inspection that certain seismic Category I components are located on the nuclear island
- Last paragraph in IDB should state “...to verify the installed location of the seismic Category I components...”
- Resubmitted ICN example provides sufficient information to support ITAAC closure verification

ICN Example Review

- ICN for AP1000 ITAAC 2.2.02.05a.iii
- Group D45
- Verify by inspection that the as-built components are seismically bounded by the tested or analyzed conditions
- Last paragraph in IDB should state “...verify that the installed configuration of the seismic Category I components...”
- Resubmitted ICN example provides sufficient information to support IT

ICN Example Review

- ICN for AP1000 ITAAC 2.3.01.03.i
- Group D50
- Verify by inspection the heat transfer capability of the CCS heat exchangers
- Resubmitted ICN example provides sufficient information to support ITAAC closure verification

ICN Example Review

- ICN for AP1000 ITAAC 2.3.07.08.ii
- Group D51
- Verify by test that SFS pump provides flow through its heat exchanger when taking suction from and returning to the SFS
- Resubmitted ICN example provides sufficient information to support ITAAC closure verification

General Comments

- ICNs should be unit specific. Remove the (s) from all Unit and Docket #s (all ICNs)
- The heading “ITAAC Related Construction Finding Review” should be revised to reflect the recent change and state “ITAAC Finding Review” (all ICNs)

Discussion Topics

- What level of detail will be documented in the ICN should a problem arise during ITAAC performance (e.g. 50.55(e), Part 21)
- Develop an ICN template with generic applicability addressing such problems

Next Steps for Expanded ICN Effort

- Industry submit the remaining ICN examples for and NRC reviews them
- Revise the submitted ICNs drafted during the ITAAC demonstration
- Possibly revisit the ICN examples in NEI 08-01
- Incorporate all ICN examples into NEI 08-01

Referenced ICNs ML Numbers

● D29	ML113070778
● D30	ML113070765
● D31	ML113070784
● D37	ML113070754
● D40	ML112770470
● D43	ML113070771
● D45	ML113070756
● D50	ML113070763
● D51	ML113070761