

Nuclear Safety Advisory Letter NSAL-17-2

“AC160 Processor Module Stall Timers Not Activated as Described in Licensing Basis”

NRC Follow-Up Meeting

December 12, 2017

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Agenda

Meeting Purpose

Review the status of the Westinghouse actions taken to close the AC160 watchdog timer (WDT) issue discussed at the August 15th and October 12th 2017 meetings.

Agenda

- Safety Brief
- Summary of October 12th 2017 Meeting
- Extent of Condition Results
- Corrective Actions Taken
- Common Q Topical Report (TR) Revision Plan
- Common Q TR Preliminary Markups
- Requested NRC Feedback/Questions/Final Remarks



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Safety Brief: INPO Nuclear Safety Trait

- Problem Identification and Resolution
 - Issues impacting safety are promptly identified, fully evaluated, and promptly addressed and corrected commensurate with their significance.
 - Identification and resolution of a broad spectrum of problems, including organizational issues, are used to strengthen safety and improve performance.
- Relevant Attribute
 - PI.3 Resolution: The organization takes effective corrective actions to address issues in a timely manner commensurate with their safety significance.

Summary of October 12th 2017 Meeting

- Westinghouse and NRC met to discuss NSAL-17-2 and the impact to the Common Q™ TR. NSAL-17-2 was revised as previously discussed.
- Westinghouse reviewed the results of the causal analysis which was performed to determine how incorrect information on the stall timer was included in the Common Q TR.
 - Requirements development and requirement traceability analyses for the software stall timer functionality performed during AC160 development and qualification lacked robustness and detail.
 - There was no requirement to have subject matter experts sign topical report.
 - Qualification and testing of WDT functionality was confirmed to focus on window WDT, since window WDT was considered critical to safety.
- Westinghouse committed to complete an extent of condition on the Common Q TR by November 2017.
- The timing of the next Common Q TR revision was discussed.



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Extent of Condition Results

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Corrective Actions Taken

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Common Q TR Revision Plan

- Westinghouse has considered NRC's input regarding timing for the Common Q TR update
 - Westinghouse and stakeholders continue to evaluate an appropriate schedule for submittal of the Common Q TR.

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Common Q Topical Report

Discrepancies Identified in the Extent of Condition

Preliminary Markups

Preliminary Markups

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Requested NRC Feedback/Questions/Final Remarks