

February 4, 2016

Patrick Troy
Program Licensing Manager
Nuclear Systems & Solutions
Lockheed Martin Missiles and Fire Control
459 Kennedy Drive
Archibald, PA 18403

SUBJECT: REGULATORY AUDIT PLAN FOR FEBRUARY 8-12, AUDIT OF LOCKHEED
MARTIN TOPICAL REPORT NuPACED610000-047-P, "GENERIC
QUALIFICATION OF THE NuPAC PLATFORM FOR SAFETY-RELATED
APPLICATIONS" (TAC NO. ME7900)

Dear Mr. Troy:

By letter dated June 28, 2011 (Agencywide Documents Access and Management System Accession No. ML11201A323), Lockheed Martin Nuclear Systems and Solutions (LMNSS) submitted Topical Report (TR) NuPAC_ED610000-47-P, "Generic Qualification of the NuPAC Platform for Safety-related Applications" (Proprietary). The TR is supported by documentation that includes plans, requirements, design specifications, programming and hardware testing, independent verification and validation, and equipment qualification testing.

The U.S. Nuclear Regulatory Commission (NRC) staff is currently reviewing the TR for use in safety system equipment at nuclear power plants. As part of its review, the NRC staff will be performing a regulatory audit at Lockheed Martin on February 8-12, 2016.

The audit will determine the degree that the processes and outputs used have resulted in satisfying regulatory requirements for safety system applications at nuclear power plants. This audit will provide information necessary to complete the NRC staff's evaluation of the LMNSS TR. Enclosed for your information is a copy of the plan the NRC staff will follow on the audit.

P. Troy

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If you any questions or require any additional information, please feel free to contact me at 301-415-7297 or Joseph.Holonich@nrc.gov.

Sincerely,

/RA/

Joseph J. Holonich, Project Manager
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 780

Enclosure:
Audit Plan

P. Troy

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If you any questions or require any additional information, please feel free to contact me at 301-415-7297 or Joseph.Holonich@nrc.gov.

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AUDIT PLAN
LOCKHEED MARTIN NUCLEAR SYSTEM AND SOLUTIONS,
NUPAC ED610000-47-P, "GENERIC QUALIFICATION OF THE NUPAC PLATFORM FOR
SAFETY-RELATED APPLICATIONS" TOPICAL REPORT
(TAC NO. ME7900)

Instrumentation and Controls Branch

Background: By letter dated June 28, 2011 (Agencywide Documents Access and Management System Accession Number ML11201A323), Lockheed Martin Nuclear Systems and Solutions submitted a topical report (TR) NuPAC_ED610000-47-P, Revision -, which proposes to use a generic digital safety instrumentation and control platform (i.e., the Nuclear Protection and Control (NuPAC) platform) to implement Class 1E safety-related applications in United States nuclear power plants. The TR is for a generic platform, not a plant-specific implementation.

The Instrumentation and Controls Branch has reviewed the instrumentation and controls aspects of the application and concluded that an audit is needed (February 8-12, 2016) to complete the review.

Necessary Material:

- Electronic Access (for viewing and printing) to all project documents

Team Assignments: Jose Jimenez, Team Lead
Norbert Carte, Project Support

- 1) Kickoff and Introductions
- 2) Appendix B – Quality Assurance Program
- 3) Appendix B – Design Control (appropriate independence, including financial, of verification and validation activities)
- 4) Appendix B – Instructions Procedures and Drawings
- 5) Appendix B – Test Control
- 6) Appendix B - Corrective Actions
- 7) Appendix B - Audits
- 8) Audit Conclusion

Logistics: Audit to start Monday, February 8, 2016 (Kickoff and Introductions)
Audit to be completed Friday, February 12, 2016

Enclosure