



Nuclear Regulatory Commission (NRC)
3 White Flint North 11601 Lansdown St North Bethesda, MD 20852
Project Duration: Aug 2014 - Present

The scope of this on-going project includes, but is not limited to, the following:

- Support the development of FISMA-NIST SP 800-53, Rev. 4 based controls and compliance inspection-standards
- Develop an inspector training program to train NRC inspectors in the above standards.
- Provide cyber security technical support for Safeguards Information (SGI) issues by analyzing, assessing and evaluating instances of possible non-compliance with requirements.
- Perform Analysis and Research to assist in developing documentation as they pertain to NRC licenses and protection of digital computer and communication systems/networks.
- Develop supporting documentation to assist the NRC in regulating issuance of operations licenses in order to establish and maintain a robust cyber security program in the nuclear industry.

The project has been successful and has met all performance expectations. Key achievements and deliverables include, but are not limited to, the following:

- Co-Authored FISMA-NIST SP 800-53, Rev. 4 based controls, developed the corresponding NRC compliance inspection-standards and developed an inspector training program on these standards. These

standards are being practiced and taught today to Industrial Control System inspectors.

- Performed security test and evaluations which identified potential cyber security issues arising from the application of the cyber security program at nuclear facilities.
- Co-Developed self-assessment tools to evaluate the need for cyber security requirements and review of self-assessment results.
- Co-Developed controls standard review plans to assist the NRC in maintaining the highest quality of standard in all NRC security controls development and inspections.
- Provided support to the NRC Cyber Assessment Team (CAT) in assessing and evaluating cyber related issues taking place at NRC sites.
- Prepared the NRC staff and other select personnel to implementation of the NRC cyber security program at NRC facilities.

CUSTOMER POINT OF CONTACT

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[Note: Apex has been providing the above services as a subcontractor to MAR, Inc.]