

## **Summary of Vendor Oversight Activities and Planning (to meet the intent of prerequisite in C.2.2.1)**

### **Vendor Oversight Plan**

A project-specific Vendor Oversight Plan (VOP), which consists of a series of interactions with the vendor throughout the system development lifecycle, is being implemented as part of this project. This VOP includes participation by project stakeholders to ensure vendor compliance with their processes, including verification and validation, requirements traceability, configuration management, testing, software quality assurance, SDOE, and applicable PSAIs. Interactions between the Licensee, system integrator, and vendor organizations will include:

- Providing input to and review/confirmation of specific activities and related information items
- Periodic audits of vendor
- Observing or witnessing specific activities
- Participating directly in specific activities
- Coordinating multi-disciplined interactions between various stakeholders
- Periodically communicating status and results of oversight activities
- Elevating emerging risks and issues (if necessary) to decision makers
- Updating the vendor oversight plan (if necessary) based on emerging results

While vendor oversight scope is much more than just software quality, the VOP addresses software quality, to ensure that the vendor executes the project consistent with: (1) the LAR and (2) the 2015 version of NQA-1, Part II Subpart 2.7 on Quality Assurance Requirements for Computer Software for Nuclear Facility Applications, per C.2.2.1.

The VOP ensures that the vendor and integrator meet process and technical requirements. The VOP includes:

- Stakeholders and their roles
- Critical activities, project interfaces, and key interactions
- Development and assessment of potential risk factors
- Performance measures and acceptance criteria
- Emerging risks or performance issues after contract award
- Appropriate level of oversight

### **Vendor Oversight Activities**

The VOP scope includes digital equipment, both hardware and software elements. Inputs to the VOP include Purchase Specification, OE, NUPIC or Licensee audit reports, NRC/INPO/EPRI reports, technical reviews, and applicable vendor oversight guidelines. Vendor Oversight activities include the following:

- Initial audit and review (which was completed as part of vendor selection, technical review, and review and confirmation of recent NUPIC audit reports)
- Periodic audits (which includes witness of critical testing or V&V activities)

- Routine design reviews for technical and process compliance (including licensee design document acceptance activities)
- Routine Project meetings (which evaluate project and technical risk)

If the Project team or Vendor Oversight team identifies degraded or unacceptable performance or issues, oversight would be enhanced to include:

- Periodic meetings to discuss and resolve issues
- Additional technical reviews or surveillances
- Management Intervention
- Stop work order and recovery plan