

ARP LICENSE REVIEW & INSPECTION¹

September, 2020

	LICENSE REVIEW (Submittal Review & Audits)	INSPECTIONS (Vendor & Licensee)
	<p>System Design Information:</p> <ul style="list-style-type: none"> • System Architecture • System Requirements Specification • Equipment Qualification Results • D3, Redundancy, Independence, Determinism 	
	<p>Sufficiency of System Development Processes:</p> <ul style="list-style-type: none"> • BTP 7-14 (B.3.1) Review of Plans • Crediting of SPM as applicable • PSAI resolutions or commitments to address PSAIs 	<p>Appendix B Implementation of Processes:</p> <ul style="list-style-type: none"> • Design changes • Design outputs for implementation and testing lifecycle phases • Factory Acceptance Tests • Site Acceptance Tests
	<p>Sufficiency of Vendor Oversight Plan for:</p> <ul style="list-style-type: none"> • Verification and Validation • Configuration Management • Design Activities • Implementation Activities • Integration Activities • Testing Activities • Installation Activities 	<p>Appendix B Implementation of VOP: (during Detailed Implementation, V&V, and FAT)</p> <ul style="list-style-type: none"> • Verifying oversight of vendor activities performed during those phases meet requirements for design control (e.g., design changes, independent V&V) • Verify that documentary evidence exists to ensure that the procured system conform to procurement requirements • Verifying that appropriate corrective actions were taken to address any deficiencies identified during oversight activities of the vendor • Verifying that the licensee performed required external audits on the vendor for activities performed during the above phases
Finding	<p>Compliance Findings:</p> <ul style="list-style-type: none"> • 10 CFR 50.55(a) (IEEE-603-1991 criteria) • GDCs • Appendix B (e.g., QA Plan, VOP Summary) 	<ul style="list-style-type: none"> • Inspection Findings Against Appendix B to 10 CFR Part 50
	Not in Scope²	Not in Scope
	<ul style="list-style-type: none"> • Implementation of software and hardware • Design output documentation and detailed V&V results for lifecycle phases after detailed software and hardware design • Resolution of Non-Conformances • Factory Acceptance Test Results 	<ul style="list-style-type: none"> • Sufficiency of Design • Conformance with IEEE 603 & 7.4-3-2 • Vendor Oversight Plan Sufficiency (which may be audited during the LAR review to support the VOP summary review)

¹ The scope and findings are presented in general terms to reflect intended differences in the license review approach and inspections using the alternate review approval process, which is currently being piloted. It is not intended to be formal NRC guidance or criteria needed to make a license finding under 10 CFR Part 50 and conducting associated inspections under Appendix B to 10 CFR Part 50.

² These items would be subject to detailed license review and audit under the traditional review process.

