

Seismic Qualification

	DC	ITA	AC
	The XXX system seismic category I components, including foundations and supports, are seismically qualified to perform their safety-related or RTNSS function(s) while subjected to normal operating loads, accident load conditions, and the maximum expected seismic loads (e.g., the SSE loads) experienced at the components' design location.	Type test, analysis, or a combination of type test and analysis, will be performed in accordance with the UFSAR Chapter 3 requirements.	Equipment qualification data packages (EQDP), which meet the requirements of UFSAR Chapter 3, exists for the seismic category I components identified in Table x.x.x-x, including their foundations and supports, and demonstrate the components are seismically qualified to the UFSAR requirements and can perform their safety-related or RTNSS function(s) during and following a safe shutdown earthquake.
		An inspection will be performed of the as-built XXX system seismic category I components, including the foundations and supports.	The as-built seismic category I components listed in Table x.x.x-x, including the foundations and supports, are installed at their design location and are bounded by the seismic qualification report(s).

Environmental Qualification

	DC	ITA	AC
	The XXX system components, including the associated wiring, cables, and terminations, located in a harsh environment, are environmentally qualified to perform their safety-related or RTNSS function(s) in the environmental conditions experienced during normal operations, anticipated operational occurrences and design bases accidents.	Type test or a combination of type test and analysis, will be performed in accordance with the UFSAR Chapter 3 requirements.	Equipment qualification data packages (EQDP), which meet the requirements of UFSAR Chapter 3, exists for the components in Tables x.x.x-x, including the associated wiring, cables, and terminations; and demonstrate the equipment located in a harsh environment is qualified to the requirements of the UFSAR and can perform their safety-related or RTNSS functions in environmental conditions experienced during normal operations, anticipated operational occurrences and design bases accidents for the time periods specified in the UFSAR.
		An inspection will be performed of the XXX system as-built components, including the associated wiring, cables, and terminations, located in a harsh environment.	The as-built EQ components in Table x.x.x-x, including the associated wiring, cables, and terminations, are installed in their design locations and are bounded by their environmental qualification data report(s).

Mild Environment

	DC	ITA	AC
	<p>The XXX system digital instrumentation and control components are located in a mild environment and are qualified to perform their safety-related or RTNSS function(s) in the environmental conditions experienced during normal operations, including anticipated operational occurrences.</p>	<p>Type test or a combination of type test and analysis, will be performed in accordance with the UFSAR Chapter 3 requirements.</p>	<p>Equipment qualification data packages (EQDP), which meet the requirements of UFSAR Chapter 3, exists for the digital I&C equipment in Table x.x.x-x, and demonstrate the equipment is qualified to the UFSAR requirements for a mild environment and can perform their safety-related or RTNSS functions in environmental conditions experienced during normal operations, including anticipated operational occurrences.</p>
		<p>An inspection will be performed of the XXX system as-built digital instrumentation and control components.</p>	<p>The as-built digital instrumentation and control components in Table x.x.x-x are installed in their design locations and are bounded by their qualification report(s).</p>

Electromagnetic compatibility EMC

	DC	ITA	AC
	<p>The XXX system digital components are qualified to perform their safety-related or RTNSS function(s) when subjected to electro-magnetic interference, radio-frequency interference, electro-static discharge, and surge-withstand-capability.</p>	<p>Type test or a combination of type test and analysis, will be performed in accordance with the UFSAR Chapter 3 requirements.</p>	<p>Equipment qualification data packages (EQDP), which meet the requirements of UFSAR Chapter 3, exists for the digital equipment listed in Table x.x.x-x and demonstrate the equipment is qualified to the requirements of the UFSAR and can withstand electro-magnetic interference, radio-frequency interference, electro-static discharge, and surge-withstand-capability that would exist before, during and following a design basis accident without loss of safety function.</p>
		<p>An inspection will be performed of the as-built XXX system digital components.</p>	<p>The as-built digital components in Table x.x.x-x are installed in their design location and are bounded by their qualification report(s).</p>