2.4.10 Process Information and Control System

1.0 Description

The process information and control system (PICS) is a digital human machine interface (HMI). It provides monitoring and control of plant systems. The PICS is non-safety related and is provided in both the main control room (MCR) and the remote shutdown station (RSS).

2.0 I&C Design Features

2.1 The system hardware and software in the PICS is diverse from the safety-related system hardware and software in the Safety Information and Control System (SICS).

2.2 Deleted.

2.3 Deleted.

2.4 Electrical isolation is provided between the RSS and the MCR for the PICS.

2.5 The capability to transfer control of the PICS from the MCR to the RSS exists.

3.0 System Inspections, Tests, Analyses, and Acceptance Criteria

Table 2.4.10-1 lists the PICS ITAAC.

Table 2.4.10-1—Process Information and Control System ITAAC

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
2.1	The system hardware and software in the PICS is diverse from the safety-related system hardware and software in the SICS.	An analysis will be performed to demonstrate that the system hardware and software in the PICS is diverse from the safety-related system hardware and software in the SICS.	A report exists and concludes that the system hardware and software in the PICS is diverse from the safety-related system hardware and software in the SICS.
2.2	Deleted.	Deleted.	Deleted.
2.3	Deleted.	Deleted.	Deleted.
2.4	Electrical Isolation is provided between the RSS and the MCR for the PICS.	An inspection will be performed.	Electrical isolation is provided between RSS and the MCR for the PICS.
2.5	The capability to transfer control of the PICS from the MCR to the RSS exists.	a. Inspections will be performed to verify the existence of procedures. b. Tests will be performed to verify that control of the PICS can be transferred from the MCR to the RSS.	a. A report exists and concludes that procedures exist for transfer of control of the PICS from the MCR to the RSS. b. A report exists and concludes that the test results confirm that control of the PICS can be transferred from the MCR to the RSS.

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