

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.3.5.1	Perform CHANNEL CHECK of the 480 V bus Degraded Voltage Function.	12 hours
	-----NOTE----- Verification of setpoint not required	31 days
SR 3.3.5.2	Perform TADOT of the 480 V bus Degraded Voltage Function.	
SR 3.3.5.3	Perform TADOT of each of the following: a. 480 V bus Undervoltage Function; and b. 480 V bus SBO Function.	24 months
SR 3.3.5.4	Perform ACTUATION LOGIC TEST of each of the following: a. 480 V bus Undervoltage Function; and b. 480 V bus SBO Function.	24 months
SR 3.3.5.5	Perform CHANNEL CALIBRATION with Allowable Values as follows: a. 480 V bus Undervoltage Function Allowable Value: ≥ 206.6 V with a time delay ≤ 3.7 seconds. b. 480 V bus Degraded Voltage Function Allowable Value: ≥ 419 V and ≤ 423 V with time delays as follows: i. ≥ 153 seconds and ≤ 207 seconds (No SI Signal); and ii. ≥ 8.4 seconds and ≤ 11.4 seconds (Coincident SI). c. 480 V bus SBO Function Allowable Value: ≥ 198.6 V.	24 months

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>C. Required Action and associated Completion Time not met.</p> <p><u>OR</u></p> <p>Two channels of Degraded Voltage Function inoperable in one or more buses.</p>	<p>C.1 Enter applicable Condition(s) and Required Action(s) for the associated DG made inoperable by LOP DG start instrumentation.</p>	<p>Immediately</p>

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<p>-----NOTE-----</p> <p>Verification of setpoint not required</p>		31 days
SR 3.3.5.1	Perform TADOT.	
SR 3.3.5.2	<p>Perform CHANNEL CALIBRATION with Allowable Value as follows:</p> <p>a. Undervoltage (480 V bus) Relay Allowable Value ≥ 200 V.</p> <p>b. Degraded Voltage (480 V bus) Relay (Non-SI) Allowable Value ≥ 414 V with a time delay ≤ 45 seconds.</p> <p>c. Degraded Voltage (480 V bus) Relay (Coincident SI) Allowable Value ≥ 414 V with a time delay ≤ 10 seconds.</p>	<p>24 months</p> <p>18 months</p> <p>18 months</p>