

Name of testing organization: _____

Name of Tester: _____

Test Date: _____

CUSTOMER SCOPE OF WORK TO BE TESTED

- Implement inverter protection settings IEEE1547-2018, Including MISO ride through

TESTING

Instruction to tester: Clearly Indicate initials in each PASS/FAIL box

Inverter settings verification functionality

- Open **Breaker XXXX (Tested breaker name as in drawings)**, Verify Open, Close **Breaker XXXX**

	PASS	FAIL
When Breaker XXXX is Open, verify 0 Voltage on all phases after 2 seconds		
On Breaker XXXX close verify inverter Synchronization check		
On Breaker XXXX close verify that inverter system does not re-energize prior to 300 seconds		
On Breaker XXXX close, and after 300 seconds of de-energization, verify that the inverter system output linearly ramps for no less than 300 seconds before reaching rated output		

Comments

- Verify the following inverter settings are applied

Voltage Relay Settings		
Shall Trip Function	Allowable Setting	
	Voltage (per unit of nominal voltage)	Clearing Time (Seconds)
Overvoltage 1	1.20	0.16
Overvoltage 2	1.10	2.0
Undervoltage 1	0.70	2.0
Undervoltage 2	0.45	0.32
Frequency Relay Settings		
Shall Trip Function	Allowable Setting	
	Frequency (Hz)	Clearing Time (Seconds)
Overfrequency 1	62.0	0.16
Overfrequency 2	61.2	2.0
Underfrequency 1	58.5	2.0
Underfrequency 2	56.5	0.16

Enter Service Criteria		Default Settings
Permit Service		Enabled
Applicable Voltage Within Range	Min. Value	0.917 p.u.
	Max. Value	1.05 p.u.
Frequency Within Range	Min. Value	59.5 Hz
	Max. Value	60.1 Hz

Tester Signature

Date