Title: Dual Technology Sensor	

Objective: Verify device is installed using acceptable standards and practices, communicates properly with the IDS, and provides proper protection of assets and meets or exceeds the contract performance specification.

Applicability: Dual technology sensors (microwave and passive infrared)

Notes:
1. Real-time voice communications between the workstation operator and the field technician is required.
2. The field technician may need tools and a stepladder to perform the sensor tamper test.
3. Perform intrusion tests with a human target. All observers are to remain still and clear of the detection zone to avoid triggering the alarm and creating invalid results.
4. Prior to the start of testing, mark five intrusion lanes (or points of intrusion taking into account the sensor coverage area), with each lane probing a different portion of the sensor detection pattern. Test each intrusion lane.
5. Perform the intrusion with the associated zone in the SECURE state.
6. If multiple sensors are used to protect an alarmed zone, disable all sensors except the unit being tested. Restore all sensors to normal operation following the completion of testing.
7. If equipped, enabling sensor motion test light is useful for conducting these tests. Deactivate after testing is completed.
8. Line Supervision, Power Fail, and Tamper Tests need to be performed in addition to these procedures.

Steps	Actions	Expected Results
<u>**1.0**</u>	**<u>Intrusion Test</u>**	
1.1	Stand at the beginning of the intrusion lane and remain motionless for 20 seconds or until test light turns off.	No alarms are received at the workstation.
1.2	Take four steps at a normal walking pace along the intrusion lane and stop.	An intrusion alarm is received at the workstation.
1.3	Move out of the sensor detection pattern.	
1.4	Clear the intrusion alarm at the workstation.	The active alarm queue is empty.
1.5	Repeat for all lanes (note # 4).	