Title: Microwave Sensors	

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: Bi-static microwave and mono-static microwave

Notes:
1. Real-time voice communications between the workstation operator and the field technician is required.
2. Make penetration attempts using methods and locations that minimize the chance of detection.
3. It is acceptable to use calibrated substitutes for a human intruder. For example, a 12-inch (30 cm) diameter aluminum sphere pulled at grade across the detection zone may be permissible.
4. Instruct all observers to stand away from the coverage zone in order to avoid triggering an alarm and creating invalid results.
5. Perform the walk test at a normal pace. Allow practice runs for the run-and-jump test in order to approximate the location of the zone to better time the jump to clear the zone. Conduct the crawl test at a slow, steadily paced crawl. If applicable at a vehicle gate, perform the intrusion test using a vehicle. Vary test speed in the range of 0.2 to 25 feet/second.
6. Perform intrusion tests approximately every 10 feet or less depending on the zone length.
7. Perform the Intrusion Tests with the associated zone in the SECURE state.
8. Line Supervision, Power Fail, and Tamper Tests need to be performed in addition to these procedures.
9. Perform the tamper test on all transmitters, receivers, and field distribution boxes.
10. If equipped, enabling sensor motion test lights or tones is useful for conducting these tests. Deactivate after testing is completed.

Steps	Actions	Expected Results
1.0	**Intrusion Test – Walking, Run-and-Jump, Crawling, Vehicle**	
1.1	Stand outside of the coverage zone.	No alarms are received at the workstation.
1.2	Cross the coverage zone.	An intrusion alarm is received at the workstation.
1.3	Stop outside of the coverage zone.	
1.4	Clear the intrusion alarm at the workstation.	The active alarm queue is empty.
1.5	Repeat for each entry method along the coverage zone.	