

CRIMINAL JUSTICE EDUCATION AND TRAINING STANDARDS COMMISSION



**CRIMINAL JUSTICE STANDARDS DIVISION
POST OFFICE DRAWER 149, RALEIGH, NC 27602
TELEPHONE: (919) 661-5980**

**FORM SMI 2C
(Rev. 4.10.14)**

**MOVING/STATIONARY RADAR MOTOR SKILL PERFORMANCE TEST
(TO BE USED FOR RADAR INSTRUMENTS WITH DUAL ANTENNA AND/OR SAME DIRECTION MODE CAPABILITY)**

The Social Security Number is used to make positive identification of applicant and/or law enforcement personnel. DISCLOSURE IS VOLUNTARY. However, failure to provide this information may result in a delay in the processing of application materials and may result in inaccurate records being assigned to you.

Trainee Full Name _____

Law Enforcement Agency _____

Date of Birth _____ Social Security Number _____

Email Address _____

Description of Radar

Manufacturer: _____

Model: _____ Mode: STATIONARY/M-OPP./SAME DIRECTION
 Single Antenna Dual Antenna

INSTRUCTOR INITIALS AS TRAINEE PERFORMS CORRECTLY ON EACH STEP

Start Time*

A. The trainee shall identify to the instructor each component and attachments thereof for this Radar and remote unit. _____

B. The trainee shall identify and explain to the instructor all controls, indicators and adjustments and the individual purpose and functions of each for this Radar and remote unit. _____

C. Component Assembly
1. Antenna(s) to Control Cabinet _____
2. Antenna(s) Mounting _____
3. Remote Control to Control Cabinet _____
4. Power Switch Off _____
5. Plug in Power Cord _____

D. Radar Test
1. Power Switch On _____
2. Equipment Warm Up _____
3. Performance Light Test (remote) _____
4. Performance Internal Circuitry Test (remote) _____

E. Tuning Fork Accuracy Test (STATIONARY)
1. Antenna Aim _____
2. Manual Operate Control _____
3. Stationary Mode _____
4. Range and Audio Tone Adjustments (remote) _____
5. Striking Tuning Fork _____
6. Position Tuning Fork in Front of Front Antenna _____
7. MPH Readout of Tuning Fork Speed (remote) _____
8. Rear Antenna Aim _____
9. Striking Tuning Fork _____
10. Position Tuning Fork in Front of Rear Antenna _____
11. MPH Readout of Tuning Fork Speed (remote) _____

- F. Tuning Fork Accuracy Testing (MOVING-OPPOSITE DIRECTION) _____
 - 1. Antenna Aim
 - 2. Manual Operate Control
 - 3. Moving Mode
 - 4. Range and Audio Tone Adjustments
 - 5. Striking Low MPH Tuning Fork
 - 6. Position Tuning Fork in Front of Antenna
 - 7. MPH Readout of Tuning Fork (patrol window)
 - 8. Striking High MPH Tuning Fork
 - 9. Position Tuning Fork in Front of Antenna
 - 10. MPH Readout in Target Window (remote)

- G. Tuning Fork Accuracy Testing (MOVING-SAME DIRECTION) _____
 - 1. Antenna Aim
 - 2. Manual Operate Control
 - 3. Same Direction Mode
 - 4. Range and Audio Tone Adjustments
 - 5. Striking High MPH Tuning Fork
 - 6. Position Tuning Fork in Front of Antenna
 - 7. MPH Readout of Tuning Fork (patrol window)
 - 8. Striking Low MPH Tuning Fork
 - 9. Position Tuning Fork in Front of Antenna
 - 10. MPH Readout in Target Window (remote)

- H. Proper selection of Patrol Vehicle Placement Area, Operator View, Vehicle Entrance/Exit Safety Factors, Antenna Aim, Antenna Angle, Range and Audio Tone Adjustment _____

- I. Tuning Fork Accuracy Check must be done prior to any clocks (begin tour of duty) _____

- Total Signoff Time** _____

1. STATIONARY					2. MOVING-OPPOSITE DIRECTION				
Keep Time* [6 consecutive clocks] Init.					Keep Time* [6 consecutive clocks] Init.				
TARGET ID. / TARGET SPEED LOCK / TUNING FORK	RADAR TARGET SPEED	TRAINEE ESTIMATE	MPH ERROR		TARGET ID. / PATROL SPEED STEADY / VERIFY PATROL SPEED / TARGET SPEED LOCK / TUNING FORK	RADAR TARGET SPEED	TRAINEE ESTIMATE	MPH ERROR	
Total Time:			TOTAL ERROR		Total Time:			TOTAL ERROR	

3. MOVING-SAME DIRECTION				RESTART (SAME DAY) <u>MOVING-SAME DIRECTION</u> CONFIGURATION			
Keep Time* [6 consecutive clocks] Init.				Keep Time* [6 consecutive clocks] Init.			
TARGET ID. / TARGET SPEED DISCRIMINATION / VERIFY PATROL SPEED / TARGET SPEED LOCK / TUNING FORK	PASS	FAIL		TARGET ID. / TARGET SPEED DISCRIMINATION / VERIFY PATROL SPEED / TARGET SPEED LOCK / TUNING FORK	PASS	FAIL	
Total Time:		SCORE:		Total Time:		SCORE:	

If instrument has capability for only one antenna, trainee will make all clocks (in each configuration) with the front antenna. Instructor will write (F) in all appropriate boxes to the left of the procedure column in each configuration block.

If instrument has capability for dual antenna, trainee will make three front and three rear clocks (in each configuration). Instructor will write (F) or (R) in all appropriate boxes to the left of the procedure column in each configuration block.

RESTART (SAME DAY)				
_____ CONFIGURATION				
Keep Time*		[6 consecutive clocks] Init.		
	TARGET ID. / PATROL SPEED STEADY / VERIFY PATROL SPEED / TARGET SPEED LOCK / TUNING FORK	RADAR TARGET SPEED	TRAINEE ESTIMATE	MPH ERROR
Total Time:		TOTAL ERROR		

If Restart (Same Day) is in STATIONARY MODE, mark out Patrol Speed Steady and Verify Patrol Speed.

* ERRORS *
Stationary
Moving-Opposite Direction
TOTAL ERROR ON 12 ESTIMATES
TOTAL TIME OF TESTING _____
Pass or Fail on Time Allotted _____
Total Error on 12 speed estimates not to exceed 42 mph or an average error of not more than 3.5 . No one error in excess of ± 12 mph.
3. Moving-Same Direction <input type="checkbox"/> PASS <input type="checkbox"/> FAIL

I hereby certify that the above-named trainee *has* *has not* demonstrated one hundred (100) percent competence in each motor-skill or performance as noted on this form.

Date _____

Instructor Name (*Print*) _____

Instructor Signature _____ Certification Number _____

Instructor Name (*Print*) _____

Instructor Signature _____ Certification Number _____