

# 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  
(Road Test - Rev. 01/12)

## 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 \_\_\_\_\_

### 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)

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**MOVING/STATIONARY RADAR MOTOR SKILL PERFORMANCE TEST****(SMI 2C) PAGE 2****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** \_\_\_\_\_**(CONTINUED ON NEXT PAGE)**

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.

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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
<b>TOTAL ERROR ON 12 ESTIMATES</b>
<b>TOTAL TIME OF TESTING</b> _____ <b>Pass or Fail on Time Allotted</b> _____  <b>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 <math>\pm</math> 12 mph.</b>
3. Moving-Same Direction <input type="checkbox"/> PASS <input type="checkbox"/> FAIL

I hereby certify that the above-named trainee \_\_\_\_\_ demonstrated one hundred (100) percent competence in each motor-skill or performance as noted on this form. Date \_\_\_\_\_

INSTRUCTOR'S SIGNATURE \_\_\_\_\_ CERTIFICATION NO. \_\_\_\_\_

INSTRUCTOR'S SIGNATURE \_\_\_\_\_ CERTIFICATION NO. \_\_\_\_\_