



**CRIMINAL JUSTICE EDUCATION AND TRAINING STANDARDS COMMISSION**

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

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

**MOVING/STATIONARY RADAR MOTOR SKILL PERFORMANCE ROAD TEST  
(THIS FORM SHALL ONLY BE USED DURING SUPPLEMENTAL SMI TRAINING  
TO TEST RADAR OPERATORS WHO WISH TO ADD DUAL ANTENNAS AND/OR SAME DIRECTION  
TO THEIR CURRENT CERTIFICATION)**

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 \_\_\_\_\_

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

\*Total Time: \_\_\_\_\_

1. REAR (R) ANTENNA STATIONARY					2. REAR (R) ANTENNA MOVING-OPPOSITE DIRECTION				
[6 consecutive clocks] Init.					[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	
R					R				
R					R				
R					R				
R					R				
R					R				
R					R				
<b>Total Time:</b>			<b>TOTAL ERROR</b>		<b>Total Time:</b>			<b>TOTAL ERROR</b>	

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

If the trainee wishes to add only dual antennas to his/her current certification, mark out “moving-same direction” and “restart (same day) for moving-same direction.”

If instrument has capability for only one antenna and trainee wishes to add moving-same direction to his/her current certification, trainee will make six clocks (in the same-direction configuration) with the front antenna. Instructor will write (F) in all appropriate boxes to the left of the procedure column in the “same-direction” configuration block.

If instrument has dual antenna capability and trainee wishes to add moving-same direction to his/her current certification, trainee will make three front and three rear clocks (in the same-direction configuration). Instructor will write (F) or (R) in all appropriate boxes to the left of the procedure column in the “same-direction” configuration

block.

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

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

<b>* ERRORS *</b>	
1.	Rear Antenna Stationary
2.	Rear Antenna Moving-Opposite Direction
<b>TOTAL ERROR ON 12 ESTIMATES</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 12</math> mph.</b>	
3. Moving-Same Direction	<input type="checkbox"/> PASS <input type="checkbox"/> FAIL
4. Total Time _____ Time Requirement	<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'S SIGNATURE \_\_\_\_\_ CERTIFICATION NO. \_\_\_\_\_

INSTRUCTOR NAME (*Print*) \_\_\_\_\_

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