

# CRIMINAL JUSTICE EDUCATION AND TRAINING STANDARDS COMMISSION



CRIMINAL JUSTICE STANDARDS DIVISION  
POST OFFICE DRAWER 149, RALEIGH, NC 27602  
TELEPHONE: (919) 661-5980  
SMI@ncdoj.gov

FORM SMI-1  
(Rev. 12-2025)

## MOVING/STATIONARY RADAR MOTOR SKILL PERFORMANCE TEST (THIS FORM IS TO BE USED FOR ALL ROAD TESTS)

RETEST (must include F-23 Exam Admission form)

SUPPLEMENTAL (by checking this box, I certify that all training requirements pursuant to 12 NCAC 09B .0215 have been met)

Trainee Full Name \_\_\_\_\_  
(last, first middle)

Law Enforcement Agency \_\_\_\_\_

Date of Birth \_\_\_\_\_ Acadis ID # \_\_\_\_\_

Email Address \_\_\_\_\_ Cell Phone # \_\_\_\_\_

Description of RADAR \_\_\_\_\_

Mode(s):  
(CHECK ALL THAT APPLY)

Antennae:  
(CHECK ONE ONLY)

Manufacturer/Model: \_\_\_\_\_

STATIONARY

SINGLE ANTENNA

MOVING OPPOSITE

OR

DUAL ANTENNA

Instructor's Initials: \_\_\_\_\_

MOVING SAME  
DIRECTION

### INSTRUCTOR INITIALS AS TRAINEE PERFORMS CORRECTLY ON EACH STEP

Section I	Start Time: e.g. 13:35	RETEST	Instructor Initials
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 <ol style="list-style-type: none"><li>1. Antenna(s) to Control Cabinet</li><li>2. Antenna(s) Mounting</li><li>3. Remote Control to Control Cabinet</li><li>4. Power Switch Off</li><li>5. Plug in Power Cord</li></ol>		
D	Radar Test <ol style="list-style-type: none"><li>1. Power Switch On</li><li>2. Equipment Warm Up</li><li>3. Performance Light Test (remote)</li><li>4. Performance Internal Circuitry Test (remote)</li></ol>		
E	Tuning Fork Accuracy Test (STATIONARY) <ol style="list-style-type: none"><li>1. Antenna Aim</li><li>2. Manual Operate Control</li><li>3. Stationary Mode</li><li>4. Range and Audio Tone Adjustments (remote)</li><li>5. Striking Tuning Fork</li><li>6. Position Tuning Fork in Front of Front Antenna</li><li>7. MPH Readout of Tuning Fork Speed (remote)</li><li>8. Rear Antenna Aim</li><li>9. Striking Tuning Fork</li><li>10. Position Tuning Fork in Front of Rear Antenna</li><li>11. MPH Readout of Tuning Fork Speed (remote)</li></ol>		

<b>F</b>	Tuning Fork Accuracy Testing (MOVING-OPPOSITE DIRECTION) <ol style="list-style-type: none"> <li>1. Antenna Aim</li> <li>2. Manual Operate Control</li> <li>3. Moving Mode</li> <li>4. Range and Audio Tone Adjustments</li> <li>5. Striking Low MPH Tuning Fork</li> <li>6. Position Tuning Fork in Front of Antenna</li> <li>7. MPH Readout of Tuning Fork (patrol window)</li> <li>8. Striking High MPH Tuning Fork</li> <li>9. Position Tuning Fork in Front of Antenna</li> <li>10. MPH Readout in Target Window (remote)</li> </ol>	
<b>G</b>	Tuning Fork Accuracy Testing (MOVING-SAME DIRECTION) <ol style="list-style-type: none"> <li>1. Antenna Aim</li> <li>2. Manual Operate Control</li> <li>3. Same Direction Mode</li> <li>4. Range and Audio Tone Adjustments</li> <li>5. Striking High MPH Tuning Fork</li> <li>6. Position Tuning Fork in Front of Antenna</li> <li>7. MPH Readout of Tuning Fork (patrol window)</li> <li>8. Striking Low MPH Tuning Fork</li> <li>9. Position Tuning Fork in Front of Antenna</li> <li>10. MPH Readout in Target Window (remote)</li> </ol>	
<b>H</b>	Proper selection of Patrol Vehicle Placement Area, Operator View, Vehicle Entrance/Exit Safety Factors, Antenna Aim, Antenna Angle, Range and Audio Tone Adjustment	
<b>I</b>	Tuning Fork Accuracy Check must be done prior to any clocks (begin tour of duty)	
<b>Sign-Off Stop Time:</b> <b>e.g. 13:45</b>		
<b>Total Sign-Off Time:</b>		

## Section II

Retest									
Configuration					Configuration				
Keep Time* e.g. 13:50					Keep Time* e.g. 14:15				
[6 consecutive clocks] Init.					[6 consecutive clocks] Init.				
	TRAINEE ESTIMATE	RADAR TARGET SPEED	MPH ERROR	TARGET ID. / PATROL SPEED STEADY / VERIFY PATROL SPEED / TARGET SPEED LOCK / TUNING FORK		TRAINEE ESTIMATE	RADAR TARGET SPEED	MPH ERROR	TARGET ID. / PATROL SPEED STEADY / VERIFY PATROL SPEED / TARGET SPEED LOCK / TUNING FORK
<b>Stop Time:</b>			<b>Total Error</b>		<b>Stop Time:</b>			<b>Total Error</b>	
<b>Total Time:</b>					<b>Total Time:</b>				

STATIONARY MODE, mark out Patrol Speed Steady and Verify Patrol Speed.

## MOVING/STATIONARY RADAR MOTOR SKILL PERFORMANCE TEST (SMI-1)

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### Section II Continued

RESTART (SAME DAY)				
Configuration Not to be used during Retest				
Keep Time* [6 consecutive clocks] Init.				
	TRAINEE ESTIMATE	RADAR TARGET SPEED	MPH ERROR	TARGET ID. / PATROL SPEED STEADY / VERIFY PATROL SPEED / TARGET SPEED LOCK / TUNING FORK
Stop Time: Total Time:			Total Error	

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

### Section III

Retest MOVING-SAME DIRECTION				RESTART (SAME DAY) MOVING-SAME DIRECTION Not to be used during Retest			
Keep Time* [6 consecutive clocks] Init.				Keep Time* [6 consecutive clocks] Init.			
	Pass	Fail	TARGET ID. / TARGET SPEED DISCRIMINATION / PATROL SPEED STEADY/ VERIFY PATROL SPEED / TARGET SPEED LOCK / TUNING FORK		Pass	Fail	TARGET ID. / TARGET SPEED DISCRIMINATION / PATROL SPEED STEADY / VERIFY PATROL SPEED / TARGET SPEED LOCK / TUNING FORK
Stop Time: Total Time:			Score:	Stop Time: Total Time:			Score:

*Errors*			
<b>Stationary</b>			
<b>Moving-Opposite Direction</b>			
<b>TOTAL ERROR ON 12 ESTIMATES</b> _____			
<b>Total Time on ORIGINAL Test</b> _____			
<b>Total Time on RETEST</b> _____			
<b>Pass or Fail on Time Requirement</b> _____			
Total Error on 12 speed estimates not to exceed 42 mph or an average error of more than 3.5. No one error in excess of + 12 mph.			
<b>Moving-Same Direction</b>	<b>PASS</b>	<b>FAIL</b>	<b>N/A</b>
I hereby certify that the above-named trainee <b><i>has</i></b> <b><i>has not</i></b> demonstrated one hundred (100) percent competence in each motor-skill or performance as noted on this form.			
_____ <i>Instructor Name</i>	_____ <i>Acadis #</i>	_____ <i>Instructor Signature</i>	_____ <i>Date</i>
_____ <i>Instructor Name</i>	_____ <i>Acadis #</i>	_____ <i>Instructor Signature</i>	_____ <i>Date</i>

**Retest Procedures for Form SMI 1:**

**THIS FORM (SMI 1) SHALL BE USED FOR ALL RADAR RETESTS. THE APPROPRIATE "RETEST" BOXES SHALL BE CHECKED AND SHALL ACCOMPANY THE F-23 EXAM ADMISSION FORM.**

**THE TRAINEE IS ONLY ALLOWED TO RETEST ON THE SPECIFIED NUMBER OF CONFIGURATIONS AS DESCRIBED BELOW. IF THE TRAINEE FAILS SECTIONS I, II, or III AFTER THIS ALLOWABLE RETEST, THE STUDENT HAS FAILED THE MOTOR SKILL PERFORMANCE RE-EXAMINATION AND WILL NOT BE RECOMMENDED FOR CERTIFICATION AND SHALL ENROLL AND COMPLETE A SUBSEQUENT COURSE OFFERING IN ITS ENTIRETY BEFORE FURTHER EXAMINATION**

1. The trainee may be allowed to retest on Section I (A-I). Write N/A on any line (in A-I) that is not applicable.
2. The trainee may be allowed to retest on Section II in one (1) configuration in which the error on one clock is more than + 12 mph or the average of the six clocks in the configuration (on the original test form) exceeds 3.5 (21mph).
3. The trainee may be allowed to retest on Section III in the Moving-Same Direction configuration if the trainee failed to obtain a score of passing on the original test form.
4. No "Restart (Same Day)" is permitted during a Retest.