SOUTHERN ILLINOIS CRIMINAL JUSTICE TRAINING PROGRAM

Mobile Team Unit 15

Training Announcement

Name of Training	Class ID#	Course ID#
Radar/Lidar Operator	**200997**	**48175**

Date(s) of Training	Time	Hours	Location
September 21, 2026	**8:30 – 4:30**	**8**	**MTU 15 Headquarters** **1740 Innovation Dr. Rm 241** **Carbondale, IL 62901**

Course Description

This training will provide the student with an understanding of the proper operational procedures and considerations for correctly using RADAR or LIDAR in police speed enforcement. Students will be instructed on how to set up and operate RADAR and LIDAR and the following.

- ✓ Explain Relative Motion.
- ✓ Explain Doppler Theory as it applies to RADAR speed enforcement
- ✓ Explain the Angular Effect when using stationery and moving RADAR
- ✓ Explain the operational principles of using LIDAR and stationery and moving RADAR
- ✓ Explain the importance of obtaining tracking history in the use of RADAR speed enforcement
- ✓ Describe factors that can produce inaccurate or false speed readings and how each can be minimized, recognized or eliminated
- ✓ Identify the impact of case law pertaining to RADAR and LIDAR
- ✓ Demonstrate the ability to set up, test, and read the RADAR unit
- ✓ Demonstrate the ability to make accurate speed estimates in stationery and moving exercises
- ✓ Demonstrate the ability to make accurate target verifications

Course Objectives

Upon completion of this class students will be able to describe:

- ➢ Legal Considerations (Statutory & Case Law)
- ➢ Principles of RADAR Speed Measurements
- ➢ RADAR/LIDAR Operations
- ➢ RADAR Effects
- ➢ Case Preparations & Documentation
- ➢ RADAR Component Assembly & Mounting
- ➢ Accuracy Tests
- ➢ Site Selection
- ➢ Operation of Specific Devices

Equipment Needs

Students will need an operational RADAR unit in their patrol vehicle and a Department LIDAR unit (if available)

Instructor

Illinois State Trooper, Jeff Bishop, has a combined 17 years of law enforcement experience including the past 8 as an Illinois State Trooper. Jeff is a certified RADAR/LIDAR Operator Instructor.

Mandates Met by This Training

This course has been approved by ILETSB for the following mandates: *Const. Use of Law Enforcement Authority; Legal Updates*

This class is partially funded and certified by the Illinois Law Enforcement Training and Standards Board