

Santa Cruz County Sheriff's Office

Robot Operations

Expanded Course Outline

10 Hours

Course Title:

Robot Operations/ Scenarios

Course Goal(s):

1. Familiarize team members with proper set up of F6 robot.
2. Operations overview of Robot practical skills demonstration
3. Team will utilize robotics when appropriate during scenario training

Audience:

1. Bomb Tech:
 - a. Huntsman/ Lopez/ Zigman / Smith / Graham
2. Bomb Support:
 - a. Schirmmacher / Patzke / Moise / Christiansen
3. Unavailable:
 - a. Madison

Core Competencies:

1. Robot Operations
 - a. Safety Protocols
 - b. Appropriate applications
 - c. Loading/unloading of tools
2. Threat Assessment
 - a. Learn when use of robots is warranted Vs. manual approach

Date

May 6th, 2026

Total Hours of Instruction:

10

Schedule:

0700 – PT

0815 – Prep Truck for departure

0900 – Drive To MOCO Training Facility

1200 – Lunch

1230 – Robot operations / Truck readiness

1400 – Return to HQ

1700 – ENDEX

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Location:

Barloy Canyon Rd, Monterey County

Forecast:

Sunny, High around 62F. 0 percent chance of rain with 10 MPH winds.

Uniform:

- Bomb Team BDUs

Instructors:

- N. Graham

AAR:

- Moise

Netcom notification

-

Mandated Training

- YES

Method of Presentation:

- Visual / Verbal / Hands on instruction. Participants will be shown the proper method and then instructed to replicate.

Course Objectives

Provide presentations to the participants about the safe deployment of the Bomb Squad robot platform. Participants will display their competency in the taught materials by completing scenarios crafted to test the basic core competencies listed below which were taught earlier in the training.

These competencies include:

- Conduct a general disruption water shot
- Conduct surgical disruption shot with water projectile
- Remove end cap from metal pipe with characterized round
- Deploy and fire omnidirectional and directional water charge on suspect package
- Move and IED to an explosives transport Vessel (TVC)

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Safety Plan

1. Hospital – Natividad Medical Center 1441 Constitution BLVD
 - a. AMR or self-transport in Code 3 equipped vehicle \
2. First Aid Kit and Medical supplies on scene
 - a. Advanced Med Kit (Bomb Truck)
 - b. Fire safety blanket (Bomb Truck – forward compartment)
 - c. IFAK (Bomb personnel)
3. **ALL down range activities personnel SHALL dawn proper PPE for activity**
 - a. Ballistic helmet (ballistic shield if equipped) / eye protection / hearing protection/ chest plate / leather gloves / knee pads / proper clothing.
4. Safety Officers
 - a. Schirmmacher (ALL TEAM MEMBERS ARE RESPONSIBLE FOR SAFETY)

3-1 Debrief/Clean-up

1. Vehicles
 - a. ALL vehicles fueled and cleaned of trash or washed if appropriate
 - b. Primary response vehicle organized and properly stowed from next mission
2. Equipment
 - a. Batteries returned to chargers
 - b. Explosives returned to magazine
 - c. Tools returned / organized
3. Vehicle Bay
 - a. Swept and cleaned of trash