

Santa Cruz County Sheriff's Office

Robotic/MWB

Expanded Course Outline

10 Hours

Course Title:

Robot Operations/MWB

Course Goal(s):

1. Familiarize team members with deploying various tools from robot platform
2. Teach team how to assemble newly acquired 3d printed disrupter options
3. Utilize these disrupters on different devices to characterize different loading/targeting options.

Audience:

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

Core Competencies:

1. 3D printed MWB
 - a. Assembly/loading
 - b. Proper deployment
 - c. Characterize different payloads

Date

May 20th, 2026

Total Hours of Instruction:

10

Schedule:

0700 – PT

0815 – Tool Assembly

1000 – Depart for Rountree

1030 – MWB usage

1200 – Lunch

D. Madison 05/15/2026

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1300 – MWB usage Cont

1700 – ENDEX

Location:

90 Rountree Ln, Watsonville

Forecast:

Sunny. High around 76F. 00 percent chance of rain with 8 MPH winds.

Uniform:

- Bomb Team Green T Shirt

Instructors:

- D. Madison

AAR:

- Patzke

Netcom notification

- D. Madison

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 implantation of the PAN disrupter, both by hand and remotely. 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:

- Deploy and fire omni directional water charge from robotic platform
- Build and deploy omnidirectional cylinder type water charge (MWB)

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Safety Plan

1. Hospital – Dominican Hospital 1555 Soquel Dr
 - 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. Moise (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