

ELROB 2024

24 – 28 June 2024
Trier, Germany

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REAL TASKS, IN A REAL WORLD SCENARIO

Reconnaissance and disposal of bombs and explosive devices

A threat posed by unexploded explosive ordnance (UXO) and abandoned explosive ordnance (AXO) including improvised explosive devices (IED) must be expected at any time.

The reconnaissance and disposal (EOR, EOD, CMD*) of conventional munitions (UXO, AXO, ERW*) and improvised explosive devices are two important tasks in this context.

Environment:

Urban, semi-urban structures, surrounded by grass, small footpaths; steep stairs, low and no light, curtains, confined spaces, closed doors, sand, containers, water, stones, rubble and debris.

Multiple objects have to be examined, indoors and outdoors; pipe systems might have to be inspected as well as cars.

Situation:

Explore an area of interest consisting of multiple locations and objects together with their surroundings. This target area is about 140x50m and there will be no direct line of sight.

Dynamic objects and static obstacles on the vehicle's route can be expected. Dead ends, sharp turns, blockings and narrow passages can occur.

Objective:

The team will receive a section of a UTM map with markings specifying the boundary of the target area.

Approach target area with highest autonomy possible. Perform reconnaissance at the target area; search for anything suspicious. Details see below.

If found, acquire imagery and position of Objects of Potential Interest (OPI), and report to the control station.

If possible, transmit live position and imagery to the control station.

!!! This document is subject to change and refinement !!!

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Implementation:

- On the way find buried IED and do recce (might require digging). Beware of traps!
- Enter building, stairs are possible.
- Inspect sewer or pipe system. Beware of traps!
- Find hidden package, suitcase, box and do recce (might require X-Ray).
- Open luggage locker, car, container, sheds and do recce. Beware of traps!
- Find bomb workshop (source of BLEVE), do recce. Beware of traps!

Timing:

The time available to perform all tasks is 4 hours. The scenario ends with reaching the time limit and must include the transmission of the acquired data.

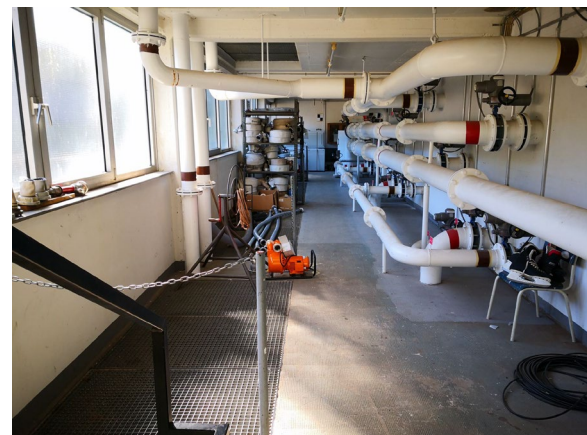
- * CMD = (conventional munitions disposal)
- EOD = (explosive ordnance disposal)
- ERW = (explosive remnants of war)
- EOR = (explosive ordnance reconnaissance)
- UXO = (unexploded explosive ordnance)
- AXO = (abandoned explosive ordnance)

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