ELROB 2016

20 - 24 June 2016
Eggendorf, Austria

www.elrob.org

REAL TASKS, IN A REAL WORLD SCENARIO

Reconnaissance and disposal of bombs and explosive devices

Sadly, reconnaissance and disposal of bombs and improvised explosive devices (EOR, EOD, IEDD, CIED etc.) is becoming an increasingly important task. It can be divided into two parts. First, the reconnaissance of the area of interest and, second, the clearance of the target area.

Environment:

Semi-urban structures, surrounded by grass, connected by small footpaths; stairs, low and no light, curtains, 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 100x100m 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.

Implementation:

- On the way find buried IED and do recce (might require digging). Beware of traps!

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

ELROB 2016

20 - 24 June 2016
Eggendorf, Austria

www.elrob.org

- 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:

Duration approx. 60 min. The scenario ends with reaching the time limit and must include the transmission of the acquired data.

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

ELROB 2016

20 - 24 June 2016
Eggendorf, Austria

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

ELROB 2016

20 - 24 June 2016
Eggendorf, Austria

www.elrob.org

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