

# Test and Evaluation of the Mini MineWolf

*German Test Center for Weapons and Ammunition (WTD 91), Meppen, Germany*

*Trial period: 27<sup>th</sup> of August to 26<sup>th</sup> of September 2007*

*Visitors' day: 18<sup>th</sup> and 19<sup>th</sup> of September 2007*

Between the 27<sup>th</sup> of August and 26<sup>th</sup> of September 2007 participants of the WTD 91<sup>1</sup>, Defence R&D Canada (DRDC)<sup>2</sup> and MineWolf System<sup>3</sup> will be conducting trials of the remote controlled demining machine Mini MineWolf<sup>4</sup> at the WTD 91 in Meppen.

The trial of the Mini MineWolf will be carried out by the WTD 91, in cooperation with participants from DRDC. The trial will assess the in-country performance of the demining machine for one specific scenario, and quantify the effect of hammer wear on the flail performance and tiller performance.

In the first two weeks there will be the performance tests and after that there will be life-mine-tests with different kind of mines.

All tests that will be undertaken during this trial will be based on the CEN Workshop Agreement for Test and Evaluation of Demining Machines (CWA 15044, July 2004)<sup>5</sup>. The performance tests will be executed in test lanes of 25m by 3.5m, with 50 AP mine simulator targets (WORM targets)<sup>6</sup> buried in three different types of soil (sand, gravel, topsoil), at depths of 0 cm, 10 cm, 15 cm or 20 cm. All test lanes will use fibre boards to evaluate the penetration profile during the clearance probability test.

A Visitors' Day is planned on the 18<sup>th</sup> / 19<sup>th</sup> of September. Visitors will be briefed on the ITEP trial methodology for mechanical demining equipment, the work of the WTD 91 and product information of the Mini MineWolf. They will further be able to observe life-mine-tests with flail and tiller.

---

<sup>1</sup> <http://www.bwb.org/wtd91>

<sup>2</sup> <http://www.drdc-rddc.gc.ca>

<sup>3</sup> <http://www.minewolf.com>

<sup>4</sup> <http://www.minewolf.com/demining-products-services/mini-minewolf-demining-machine.html>

<sup>5</sup> [http://www.itep.ws/pdf/CWA\\_demining\\_machines.pdf](http://www.itep.ws/pdf/CWA_demining_machines.pdf)

<sup>6</sup> [http://www.itep.ws/pdf/WORMBrochure\\_LowResolution.pdf](http://www.itep.ws/pdf/WORMBrochure_LowResolution.pdf)