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WORKSHOP

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AGREEMENT

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Humanitarian Mine Action - EOD Competency Standards - Part 3: Competency for EOD level 1

This CEN Workshop Agreement has been drafted and approved by a Workshop of representatives of interested parties, the constitution of which is indicated in the foreword of this Workshop Agreement.

The formal process followed by the Workshop in the development of this Workshop Agreement has been endorsed by the National Members of CEN but neither the National Members of CEN nor the CEN Management Centre can be held accountable for the technical content of this CEN Workshop Agreement or possible conflicts with standards or legislation.

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Foreword

This CEN Workshop Agreement has been prepared under a mandate and funded by EC DG AIDCO.

The following organisations have been members of the workshop and contributed to the CWA. Belgian Armed Forces, Danish Demining Group, French Armed Forces, Geneva International Centre for Humanitarian Demining, International School for Security and Explosives Education, Mines Advisory Group, MAG, NATO Standardisation Agency, Science Technology and Manufacturing Technologies Alliance (SEMTA) and the Standards Setting Body for Explosives, Munitions and Search Occupations (SSB for EMSO), Spanish Armed Forces, Swedish EOD and Demining Centre, SWEDEC, Swedish Rescue Services Agency, Swiss EOD Centre, Turkish Armed Forces, United Kingdom Department for International Development, United Nations Mine Action Services, UNMAS.

The secretariat was held by SIS Swedish Standards Institute.

The final review/endorsement round for this CWA was successfully closed during the final meeting of 2005-07-05.

The final text of this CWA was submitted to CEN for publication on 2005-10-27.

This CWA will be handed to the Geneva International Centre For Humanitarian Demining, GICHD for integration into the International Mine Action Standards (IMAS) collection."

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1 KNOWLEDGE BASE

1.1 Explosive Ordnance Recognition

- 1.1.1 Land service ammunition and fuses - generic
- 1.1.2 Land service ammunition and fuses - detailed
- 1.1.3 Mines- generic
- 1.1.5 Submunition- generic
- 1.1.7 Air Dropped Weapons - generic
- 1.1.9 Guided Weapons - generic
- 1.1.11 Booby traps and improvised munitions awareness

1.2 Explosives Theory and Safe Handling of Explosives Ordnance

- 1.2.1 The differences and applications of high and low explosives.
- 1.2.2 The principles and objectives of explosive trains.
- 1.2.3 The principles of explosive power.
- 1.2.4 Blast effects and their uses.
- 1.2.5 Methods of reducing blast effects.

1.3 Methods of Disposal

- 1.3.1 Electrical and Non-electrical means of initiation
- 1.3.2 Use of Pyrotechnic devices to destroy by burning
- 1.3.3 Use of sufficient high explosive quantities to destroy explosive ordnance on which they have received training.
- 1.3.4 High order techniques
- 1.3.5 Ring Main
- 1.3.6 Line Main

1.4 Safety Precautions

- 1.4.1 Personal and personnel safety
- 1.4.2 Equipment safety
- 1.4.3 Explosives safety distances
- 1.4.4 Protective measures

1.5 Storage and Transportation of Explosives

- 1.5.1 Health and safety and explosive legislation
- 1.5.2 Environmental issues
- 1.5.3 Explosive safety
- 1.5.4 Explosive storage areas
- 1.5.5 Explosive transportation
- 1.5.6 Explosive security

1.8 Medical requirements

- 1.8.1 First aid
- 1.8.2 Organisational casualty evacuation procedures

2 EQUIPMENT

2.1 Gather and prepare search or explosive ordnance disposal equipment

- 2.1.1 Individuals must demonstrate that they obtain the necessary information on the equipment required;
- 2.1.2 Individuals must demonstrate that they carry out tests to ensure the serviceability of the equipment, reporting any defective equipment through the appropriate channels;
- 2.1.3 Individuals must demonstrate that they prepare the equipment correctly for use;
- 2.1.4 Individuals must demonstrate that they meet operational requirements and organisational procedures;
- 2.1.5 Individuals must explain the environment in which the task will take place;
- 2.1.6 Individuals must explain how to inspect, test and prepare equipment;
- 2.1.7 Individuals must explain acceptable tolerances of accuracy of the equipment;
- 2.1.8 Individuals must explain the characteristics and hazards of the equipment;
- 2.1.9 Individuals must explain operational requirements and organisational procedures.

2.2 Operate search or explosive ordnance disposal equipment

- 2.2.1 Individuals must demonstrate that they operate the equipment correctly according to the manufacturer's instructions;
- 2.2.2 Individuals must demonstrate that they take readings and measurements accurately;
- 2.2.3 Individuals must demonstrate that they challenge any inaccuracies or inconsistencies of information;
- 2.2.4 Individuals must demonstrate that they make any necessary adjustment to the equipment;
- 2.2.5 Individuals must demonstrate that they report any problems to the appropriate authority;