



# HZN

Hrvatski zavod za norme  
Croatian Standards Institute

## CROATIAN STANDARDS INSTITUTE (HZN) and Technical Committee HZN/TC 523, *Humanitarian Demining*

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The Croatian Standards Institute (hereinafter: HZN) is established by the Government of the Republic of Croatia in October 2004 based on the Standardization Act as the national standards body of the Republic of Croatia. Former National Institute for Standards and Metrology (DZNM), established in 1992, has been divided into three independent institutions covering the field of standardization, accreditation and metrology. HZN started its activities as an independent public institution in 2005. Prior to Croatia's entrance into the European Union, former associated membership in the international (ISO<sup>1</sup> and IEC<sup>2</sup>) and European institutions for standards (CEN<sup>3</sup>, CENELEC<sup>4</sup>, ETSI<sup>5</sup>) had to be turned into the full membership by, of course, meeting the necessary requirements. HZN met the conditions set by CEN and CENELEC in 2008 by adopting all published European normative documents and integrating them into its own system in that way becoming a full member of CEN and CENELEC in 2010. The Republic of Croatia became the European Union member state in 2013.

Technical Committee HZN/TC 523, *Humanitarian Demining* is one of the HZN's technical committees acting in the field of *METAL MATERIALS*. In accordance with the HZN's goals, the committee task is to monitor the international and European documents (CWA<sup>6</sup>) relating to the field of humanitarian demining and production of original Croatian standards in the field of humanitarian demining (mine action) given the fact that no standards of that kind had been published in ISO or CEN up to then. The reason for that was non-existence of mine-contaminated areas on the European territory.

Technical Committee HZN/TC 523, *Humanitarian Demining* was established on July 17, 2002, thanks to the enthusiasm of CROMAC assistant director, Nikola Gambiroža, Ph.D., appointed first president of the Committee. The Committee work is participated by the current president of the TC, Mr. Dražen Šimunović, secretary within the HZN, Mr. Davorko Čehulić and other Committee members, reputable experts from the field of humanitarian demining (mine action) as well as representatives of all other interested parties (ministries, faculties, army etc.).

The work of the Technical Committee HZN/TC 523, *Humanitarian Demining* is based on general principles of standardization: consensus, involvement of all interested parties, transparency, implementation of highest development level of techniques and science.

The scope of activity of the Technical Committee HZN/TC 523, *Humanitarian Demining* covers the following: terminology and preparation of technical documentation; manual demining; mechanical demining; features of deminer PPE, detection means and demining machines; combined demining using MDDs, equipment, tool kits and instruments; methods of establishment of suspected hazardous area (SHA), quality assurance and quality control degrees.

HZN/TC 523, *Humanitarian Demining* subcommittees are as follows:

TC 523/SC 1 – *Detection of mines and unexploded ordnance (UXO), quality assurance (QA) and control (QC)*

TC 523/SC 2 – *Technical requirements and conformity assessment of machines, dog-handler teams, equipment and devices*

TC 523/SC 3 – *Terminology, competence and qualification*

TC 523/SC 4 – *Explosive Ordnance Disposal (EOD)*

At the meeting held in the premises of the Croatian Standards Institute at the end of 2015, it was agreed that the subcommittees shall become inactive and all members' activities shall be taking place within the central technical committee.

All original Croatian standards published so far from the field of humanitarian demining have been passed by procedure consisting of six stages: encouragement, preparatory phase, committee draft, public hearing, approval and publication.

Technical Committee HZN/TC 523, *Humanitarian Demining* has so far published the following original Croatian standards:

HRN 1142:2009, *Humanitarian demining – Demining machine requirements and conformity assessment*

HRN 1129:2011, *Humanitarian demining – Terminology glossary*

HRN 1132:2015, *Humanitarian demining – Competence, qualifications, responsibility and authority*

HRN 1133:2015, *Humanitarian demining – Marking of suspected hazardous area (SHA) and worksite*

HRN 1134:2015, *Humanitarian demining – Survey and reduction of suspected hazardous area (SHA)*

HRN 1143:2015, *Humanitarian demining – Medical support and evacuation*

Note: The Standards HRN 1142:2009 and HRN 1129:2011 have been translated into English language and can be used by experts from abroad as well.

The following original Croatian standards from the field of humanitarian demining are currently in the phase of drafting proposals:

nHRN 1135, *Production of project documentation*

nHRN 1136, *Worksite organization and conduct of demining operations*

nHRN 1137, *Explosive Ordnance Disposal (EOD)*

nHRN 1138, *Quality Assurance (QA) and Quality Control (QC)*

nHRN 1139, *Requirements for PPE, tool kits and instruments and conformity assessment*

nHRN 1140, *Safety, protection measures and communication system*

nHRN 1141, *Records, data protection and reporting*

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2 INTERNATIONAL ELECTROTECHNICAL COMMISSION  
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4 EUROPEAN COMMITTEE FOR STANDARDIZATION  
5 EUROPEAN COMMITTEE FOR ELECTROTECHNICAL STANDARDIZATION  
6 CEN WORKSHOP AGREEMENT