

**Commission communication in the framework of the implementation of the Council Directive 93/15/EEC of 5 April 1993 on the harmonisation of the provisions relating to the placing on the market and supervision of explosives for civil uses**

(Text with EEA relevance)

*(Publication of titles and references of harmonised standards under the directive)*

ESO ( <sup>1</sup> )	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presumption of conformity of super- seded standard Note 1
CEN	EN 13630-1:2003 Explosives for civil uses — Detonating cords and safety fuses — Part 1: Requirements	—	
CEN	EN 13630-2:2002 Explosives for civil uses — Detonating cords and safety fuses — Part 2: Determination of thermal stability of detonating cords and safety fuses	—	
CEN	EN 13630-3:2002 Explosives for civil uses — Detonating cords and safety fuses — Part 3: Determination of sensitiveness to friction of the core of detonating cords	—	
CEN	EN 13630-4:2002 Explosives for civil uses — Detonating cords and safety fuses — Part 4: Determination of sensitiveness to impact of detonating cords	—	
CEN	EN 13630-5:2003 Explosives for civil uses — Detonating cords and safety fuses — Part 5: Determination of resistance to abrasion of detonating cords	—	
CEN	EN 13630-6:2002 Explosives for civil uses — Detonating cords and safety fuses — Part 6: Determination of resistance to tension of detonating cords	—	
CEN	EN 13630-7:2002 Explosives for civil uses — Detonating cords and safety fuses — Part 7: Determination of reliability of initiation of detonating cords	—	
CEN	EN 13630-8:2002 Explosives for civil uses — Detonating cords and safety fuses — Part 8: Determination of resistance to water of detonating cords and safety fuses	—	
CEN	EN 13630-9:2004 Explosives for civil uses — Detonating cords and safety fuses — Part 9: Determination of transmission of detonation from detonating cord to detonating cord	—	
CEN	EN 13630-10:2005 Explosives for civil uses — Detonating cords and safety fuses — Part 10: Determination of initiating capability of detonating cords	—	

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CEN	EN 13630-11:2002 Explosives for civil uses — Detonating cords and safety fuses — Part 11: Determination of velocity of detonation of detonating cords	—	
CEN	EN 13630-12:2002 Explosives for civil uses — Detonating cords and safety fuses — Part 12: Determination of burning duration of safety fuses	—	
CEN	EN 13631-1:2005 Explosives for civil uses — High explosives — Part 1: Requirements	—	
CEN	EN 13631-2:2002 Explosives for civil uses — High explosives — Part 2: Determination of thermal stability of explosives	—	
CEN	EN 13631-3:2004 Explosives for civil uses — High explosives — Part 3: Determination of sensitiveness to friction of explosives	—	
CEN	EN 13631-4:2002 Explosives for civil uses — High explosives — Part 4: Determination of sensitiveness to impact of explosives	—	
CEN	EN 13631-5:2002 Explosives for civil uses — High explosives — Part 5: Determination of resistance to water	—	
CEN	EN 13631-6:2002 Explosives for civil uses — High explosives — Part 6: Determination of resistance to hydrostatic pressure	—	
CEN	EN 13631-7:2003 Explosives for civil uses — High explosives — Part 7: Determination of safety and reliability at extreme temperatures	—	
CEN	EN 13631-10:2003 Explosives for civil uses — High explosives — Part 10: Method for the verification of the means of initiation	—	
CEN	EN 13631-11:2003 Explosives for civil uses — High explosives — Part 11: Determination of transmission of detonation	—	
CEN	EN 13631-12:2004 Explosives for civil uses — High explosives — Part 12: Specifications of boosters with different initiating capability	—	
CEN	EN 13631-13:2003 Explosives for civil uses — High explosives — Part 13: Determination of density	—	
CEN	EN 13631-14:2003 Explosives for civil uses — High explosives — Part 14: Determination of velocity of detonation	—	

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CEN	EN 13631-15:2005 Explosives for civil uses — High explosives — Part 15: Calculation of thermodynamic properties	—	
CEN	EN 13631-16:2004 Explosives for civil uses — High explosives — Part 16: Detection and measurement of toxic gases	—	
CEN	EN 13763-1:2004 Explosives for civil uses — Detonators and relays — Part 1: Requirements	—	
CEN	EN 13763-2:2002 Explosives for civil uses — Detonators and relays — Part 2: Determination of thermal stability	—	
CEN	EN 13763-3:2002 Explosives for civil uses — Detonators and relays — Part 3: Determination of sensitiveness to impact	—	
CEN	EN 13763-4:2003 Explosives for civil uses — Detonators and relays — Part 4: Determination of resistance to abrasion of leading wires and shock tubes	—	
CEN	EN 13763-5:2003 Explosives for civil uses — Detonators and relays — Part 5: Determination of resistance to cutting damage of leading wires and shock tubes	—	
CEN	EN 13763-6:2003 Explosives for civil uses — Detonators and relays — Part 6: Determination of resistance to cracking in low temperatures of leading wires	—	
CEN	EN 13763-7:2003 Explosives for civil uses — Detonators and relays — Part 7: Determination of the mechanical strength of leading wires, shock tubes, connections, crimps and closures	—	
CEN	EN 13763-8:2003 Explosives for civil uses — Detonators and relays — Part 8: Determination of the resistance to vibration of plain detonators	—	
CEN	EN 13763-9:2003 Explosives for civil uses — Detonators and relays — Part 9: Determination of resistance to bending of detonators	—	
CEN	EN 13763-11:2003 Explosives for civil uses — Detonators and relays — Part 11: Determination of resistance to damage by dropping of detonators and relays	—	
CEN	EN 13763-12:2003 Explosives for civil uses — Detonators and relays — Part 12: Determination of resistance to hydrostatic pressure	—	
CEN	EN 13763-13:2004 Explosives for civil uses — Detonators and relays — Part 13: Determination of resistance of electric detonators to electrostatic discharge	—	

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CEN	EN 13763-15:2004 Explosives for civil uses — Detonators and relays — Part 15: Determination of equivalent initiating capability	—	
CEN	EN 13763-16:2003 Explosives for civil uses — Detonators and relays — Part 16: Determination of delay accuracy	—	
CEN	EN 13763-17:2003 Explosives for civil uses — Detonators and relays — Part 17: Determination of no-fire current of electric detonators	—	
CEN	EN 13763-18:2003 Explosives for civil uses — Detonators and relays — Part 18: Determination of series firing current of electric detonators	—	
CEN	EN 13763-19:2003 Explosives for civil uses — Detonators and relays — Part 19: Determination of firing impulse of electric detonators	—	
CEN	EN 13763-20:2003 Explosives for civil uses — Detonators and relays — Part 20: Determination of total electrical resistance of electric detonators	—	
CEN	EN 13763-21:2003 Explosives for civil uses — Detonators and relays — Part 21: Determination of flash-over voltage of electric detonators	—	
CEN	EN 13763-22:2003 Explosives for civil uses — Detonators and relays — Part 22: Determination of capacitance, insulation resistance and insulation breakdown of leading wires	—	
CEN	EN 13763-23:2002 Explosives for civil uses — Detonators and relays — Part 23: Determination of the shock-wave velocity of shock tube	—	
CEN	EN 13763-24:2002 Explosives for civil uses — Detonators and relays — Part 24: Determination of the electrical non-conductivity of shock tube	—	
CEN	EN 13763-25:2004 Explosives for civil uses — Detonators and relays — Part 25: Determination of transfer capability of surface connectors, relays and coupling accessories	—	
CEN	EN 13857-1:2003 Explosives for civil uses — Part 1: Terminology	—	
CEN	EN 13857-3:2002 Explosives for civil uses — Part 3: Information to be provided by the manufacturer or his authorised representative to the user	—	

ESO ( <sup>1</sup> )	Reference and title of the harmonised standard (and reference document)	Reference of superseded standard	Date of cessation of presumption of conformity of super- seded standard Note 1
CEN	EN 13938-1:2004 Explosives for civil uses — Propellants and rocket propellants — Part 1: Requirements EN 13938-1:2004/AC:2006	—	
CEN	EN 13938-2:2004 Explosives for civil uses — Propellants and rocket propellants — Part 2: Determination of resistance to electrostatic energy	—	
CEN	EN 13938-3:2003 Explosives for civil uses — Propellants and rocket propellants — Part 3: Determination of deflagration to detonation transition	—	
CEN	EN 13938-4:2003 Explosives for civil uses — Propellants and rocket propellants — Part 4: Determination of burning rate under ambient conditions	—	
CEN	EN 13938-5:2004 Explosives for civil uses — Propellants and rocket propellants — Part 5: Determination of voids and fissures	—	
CEN	EN 13938-7:2004 Explosives for civil uses — Propellants and rocket propellants — Part 7: Determination of properties of black powder	—	

(<sup>1</sup>) ESO: European Standardisation Organisation:

— CEN: rue de Stassart 36, B-1050 Brussels, tel. (32-2) 550 08 11; fax (32-2) 550 08 19 (<http://www.cenorm.be>)

— CENELEC: rue de Stassart 35, B-1050 Brussels, tel. (32-2) 519 68 71; fax (32-2) 519 69 19 (<http://www.cenelec.org>)

— ETSI: 650, route des Lucioles, F-06921 Sophia Antipolis, tel. (33) 492 94 42 00; fax (33) 493 65 47 16 (<http://www.etsi.org>)

Note 1 Generally the date of cessation of presumption of conformity will be the date of withdrawal (dow), set by the European Standardisation Organisation, but attention of users of these standards is drawn to the fact that in certain exceptional cases this can be otherwise.

Note 3 In case of amendments, the referenced standard is EN CCCC:YYYY, its previous amendments, if any, and the new, quoted amendment. The superseded standard (column 3) therefore consists of EN CCCC:YYYY and its previous amendments, if any, but without the new quoted amendment. On the date stated, the superseded standard ceases to give presumption of conformity with the essential requirements of the directive.

Note:

— Any information concerning the availability of the standards can be obtained either from the European Standardisation Organisations or from the national standardisation bodies of which the list is annexed to the Directive 98/34/EC of the European Parliament and Council (<sup>1</sup>) amended by the Directive 98/48/EC (<sup>2</sup>).

— Publication of the references in the *Official Journal of the European Union* does not imply that the standards are available in all the Community languages.

— This list replaces all the previous lists published in the *Official Journal of the European Union*. The Commission ensures the updating of this list.

More information about harmonised standards on the Internet at

<http://europa.eu.int/comm/enterprise/newapproach/standardization/harmstds/>

(<sup>1</sup>) OJ L 204, 21.7.1998, p. 37.

(<sup>2</sup>) OJ L 217, 5.8.1998, p. 18.