



Notification Number: 2014/423/UK

## TR1100 - General Technical Requirements for Motorway Communications Equipment

Date received : 28/08/2014  
End of Standstill : 02/12/2014 ( 02/03/2015)  
Issue of detailed opinion by : Commission

### Message

Message 001

Communication from the Commission - TRIS/(2014) 02494  
Directive 98/34/EC

Notificación - Oznámení - Notifikation - Notifizierung - Teavitamine - Γνωστοποίηση - Notification - Notification - Notifica - Pieteikums - Pranešimas - Bejelentés - Notifika - Kennisgeving - Zawiadomienie - Notificação - Hlásenie-Obvestilo - Ilmoitus - Anmälan - Нотификация : 2014/0423/UK - Notificare.

No abre el plazo - Nezahtuje odklady - Fristerne indledes ikke - Kein Fristbeginn - Viivituste perioodi ei avata - Καμία έναρξη προθεσμίας - Does not open the delays - N'ouvre pas de délais - Non fa decorrere la mora - Neietekmē atlikšanu - Atidėjimai nepradedami - Nem nyitja meg a késések - Ma' jiftaħ il-perijodi ta' dawmien - Geen termijnbegin - Nie otwiera opóźnień - Nao inicia o prazo - Neotvorí oneskorenia - Ne uvaja zamud - Määräaika ei ala tästä - Inleder ingen frist - Не се предвижда период на прекъсване - Nu deschide perioadele de stagnare - Nu deschide perioadele de stagnare.

(MSG: 201402494.EN)

#### 1. Structured Information Line

MSG 001 IND 2014 0423 UK EN 28-08-2014 UK NOTIF

#### 2. Member State

UK

#### 3. Department Responsible

Department for Business, Innovation and Skills  
European Reform Directorate  
1 Victoria Street, London, SW1H 0ET.

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#### 3. Originating Department

Highways Agency



Woodlands  
Manton Lane  
Bedford  
MK41 7LW

#### **4. Notification Number**

2014/0423/UK - B00

#### **5. Title**

TR1100 - General Technical Requirements for Motorway Communications Equipment

#### **6. Products Concerned**

Motorway communication equipment - The document provides an overarching set of general requirements that the Highways Agency require its motorway communications equipment to meet. It covers all stages of the product lifecycle including: design, development, prototyping, quality assurance, verification, production, introduction into service, maintenance and disposal.

#### **7. Notification Under Another Act**

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#### **8. Main Content**

General requirements that the Highways Agency requires its motorway communication equipment to meet, including Quality, Environmental, Hardware Design, Electrical, Software/Firmware, Safety, Reliability, Installation, Maintenance and Disposal Requirements.

The UK will fulfil its obligation under Article 12 of Directive 98/34/EC when these regulations are officially published.

#### **9. Brief Statement of Grounds**

This document revises TR1100 General Technical Requirements for Motorway Communications Equipment to align it with the requirements of the Construction Products Regulations (305/2011)) and the Construction Products Regulations 2013 with respect to design, delivery and introduction into service of motorway communications equipment.

#### **10. Reference Documents - Basic Texts**

References of the Basic Texts: Normative References to Harmonised European Standards  
Standard Title

BS EN ISO 780 Packaging, Pictorial marking for handling goods

BS EN 50160 Voltage characteristics of electricity supplied by public electricity networks

BS EN 1011 Welding. Recommendations for welding of metallic materials

Part 1: General guidance for arc welding

Part 2: Arc Welding of ferritic steels

Part 3: Arc welding of stainless steels

Part 4: Arc welding of aluminium and aluminium alloys

BS EN 41003 Particular safety requirements for equipment to be connected to telecommunication networks



and/or a cable distribution system

BS EN 50293 Electromagnetic compatibility. Road traffic signal systems. Product standard

BS EN 60068-2-64 Environmental testing. Tests. Test Fh. Vibration, broadband random and guidance

BS EN 60297-3-100 Mechanical structures for electronic equipment. Dimensions of mechanical structures of the 482,6 mm (19 in) series. Basic dimensions of front panels, subracks, chassis, racks and cabinets

BS EN 60309-1 Plugs, socket-outlets and couplers for industrial purposes. General requirements

BS EN 60445 Basic and safety principles for man-machine interface, marking and identification. Identification of equipment terminals, conductor terminations and conductors

BS EN 60529 Degrees of protection provided by enclosures (IP code)

BS EN 60812 Analysis techniques for system reliability. Procedure for failure mode and effects analysis (FMEA)

BS EN 61082-1 Preparation of documents used in electrotechnology. Rules

BS EN 61086-3-1 Specification for loaded printed wire boards (conformal coatings). Coatings for loaded printed wire boards (conformal coatings). Specifications for individual materials. Coatings for general purpose (class I) and for high reliability (class II)

BS EN 61140 Protection against electric shock. Common aspects for installation and equipment

BS EN 62305 Protection against lightning

Part 1: General principles

Part 2: Risk management

Part 3: Physical damage to structures and life hazard

Part 4: Electrical and electronic systems within structures

BS EN ISO 7010 Graphical symbols. Safety colours and safety signs. Registered safety signs

BS EN ISO 14001 Environmental management systems. Requirements with guidance for use

BS EN ISO 15607 Specification and qualification of welding procedures for metallic materials. General rules

BS EN ISO 9000 Quality management systems. Fundamentals and vocabulary

BS EN ISO 9001: Requirements

BS EN ISO 80000-1 Quantities and units. General

Normative References to Non-Harmonised European Standards

BS 7671 Requirements for Electrical Installations. IET Wiring Regulations

BS ISO/IEC 20000 Information technology. Service management

Part 1: Specification

Part 2: Guidance on the application of service management systems

ISO/IEC 32000-1 Document management. Portable document format. PDF 1.7

ISO/IEC 10918-1 Information Technology – Digital compression and coding of continuous-tone still images. JPEG format

ISO/IEC 16388 Information Technology – Automatic identification and data capture techniques

ISO 2859-10 Sampling procedures for inspection by attributes

Normative References to HA Standards and Specifications

MCE 1137 Equipment Configuration Plug - Type 9300: Hardware Requirements

[Notified in parallel]

MCG 1069 NMCS2 Test Strategy

MCH 1514 Code of Connection

MCH 1652 Communications Records Drawings Computer Aided Drawings Standard

MCH 1953 NMCS Maintenance Instruction Technology Performance Management Service (TPMS) Bar Code Procedure

MCX 0061 Key – Standard (DRAWING)

TR 1000 Introduction to the Traffic Systems and Signing Registry

[Notified in parallel]

TR 2130 Environmental Tests for Motorway Communications Equipment and Portable and Permanent Road Traffic Control Equipment

[Notified in parallel]



TR 2180 Protective Surface Treatments to be applied to Motorway Communications Equipment, Frames and Housings Fabricated from Aluminium or Steel

[Notified in parallel]

TR 2597 Highways Agency Remote Access System – Roadside Device Interface Specification

[Notified in parallel]

#### Other Normative References

2006/95/EC Low Voltage Directive (LVD)

1999/5/EC Radio and Telecommunications Terminal Equipment (R&TTE) Directive

2002/95/EC Restriction of Hazardous Substances in Electrical and Electronic Equipment

2002/96/EC Promoting the Collection and Recycling of Electrical and Electronic Equipment

ITU-T K.44 Series K Protection against Interference. Resistibility tests for telecommunication equipment exposed to overvoltages and overcurrents – Basic recommendation

ITU-T K.45 Series K Protection against Interference. Resistibility of telecommunication equipment installed in the access and trunk networks to overvoltages and overcurrents

#### 11. Invocation of the Emergency Procedure

No

#### 12. Grounds for the Emergency

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#### 13. Confidentiality

No

#### 14. Fiscal measures

No

#### 15. Impact assessment

Impact Assessment not available.

#### 16. TBT and SPS aspects

TBT aspect

No - The draft has no significant impact on international trade

SPS aspect

No - The draft is not a sanitary or phytosanitary measure

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European Commission



**EUROPEAN COMMISSION**  
GROWTH DIRECTORATE-GENERAL

**Single Market for goods**  
Prevention of Technical Barriers

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