Notification Number: 2016/268/UK

BD 100 The use of Eurocodes for the design of highway structures

Date received : 07/06/2016

End of Standstill : 08/09/2016

Message

Message 001

Communication from the Commission - TRIS/(2016) 01687
Directive (EU) 2015/1535
Notificación - Oznámení - Notifikation - Notifizierung - Teavitamine - Γνωστοποίηση - Notification - Notification - Notifica - Pieteikums - Pranešimas - Bejelentés - Notifika - Kennisgeving - Zawiadomienie - Notificação - Hlásenie-Obvestilo - Ilmoitus - Anmälan - Нотификация : 2016/0268/UK - Notificare.

No abre el plazo - Nezahajuje odklady - Fristerne indledes ikke - Kein Fristbeginn - Viivituste perioodi ei avata - Καμμία 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 késéseket - Ma' jiftaħx il-perijodi ta' dawmien - Geen termijnbegin - Nie otwiera opóźnień - Não 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: 201601687.EN)

1. Structured Information Line
MSG 001 IND 2016 0268 UK EN 07-06-2016 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 England
Woodlands

Manton Lane Industrial Estate
Bedford
MK41 7LW

4. Notification Number
2016/0268/UK - B00

5. Title
BD 100 The use of Eurocodes for the design of highway structures

6. Products Concerned
All products and services that are normally used for the construction of highways and ancillary structures on the UK Motorway and Trunk Road Network.

This Requirements and Advice Document provides requirements for the implementation of Eurocodes for the design of highway structures (including geotechnical works) on trunk roads and motorways. Highway structures include bridges, subways, underpasses, culverts, gantries, masts and earth retaining structures.

7. Notification Under Another Act
-

8. Main Content
The Design Manual for Roads and Bridges is the basis of the requirements used by the Highways Agency for the design of new highway construction works and maintenance on the UK Strategic Trunk Road Network.

This Requirements and Advice Document provides requirements for designers in the use of Eurocodes in undertaking the design of highway structures (including geotechnical works).

9. Brief Statement of Grounds
The use of these documents is mandatory for all trunk roads, including motorways, in England and enforced under contract. Other UK Overseeing Departments incorporate certain amendments to take account of local conditions.

The objective is to give designers basic requirements to ensure appropriate use of Eurocodes and to provide adequate levels of safety, control and a consistent approach on each scheme. It will at the same time allow designers to develop their understanding and use of Eurocodes for any particular scheme.

10. Reference Documents - Basic Texts
References of the Basic Texts: GD 01 Introduction to the DMRB [2015/083/UK]
BS EN 1990 Eurocode 0: Basis of structural design
NA to BS EN 1990 UK National Annex to Eurocode 0 Basis of structural design
BS EN 1991-1-1 Eurocode 1: Actions on structures. General Actions. Densities, self-weight, imposed load for buildings
NA to BS EN 1991-1-1 UK National Annex to Eurocode 1: Actions on structures. General Actions. Densities, self-weight, imposed load for buildings

BS EN 1991-1-3 Eurocode 1: Actions on structures. General Actions. Snow loads
NA to BS EN 1991-1-3 UK National Annex to Eurocode 1: Actions on structures. General Actions. Snow loads
BS EN 1991-1-4 Eurocode 1: Actions on structures. General Actions. Wind actions
NA to BS EN 1991-1-4 UK National Annex to Eurocode 1: Actions on structures. General Actions. Wind actions
BS EN 1991-1-5 Eurocode 1: Actions on structures. General Actions. Thermal actions
NA to BS EN 1991-1-5 UK National Annex to Eurocode 1: Actions on structures. General Actions. Thermal actions
BS EN 1991-1-6 Eurocode 1: Actions on structures. General Actions. Actions during execution
NA to BS EN 1991-1-6 UK National Annex to Eurocode 1: Actions on structures. General Actions. Actions during execution
BS EN 1991-1-7 Eurocode 1: Actions on structures. General Actions. Accidental actions
NA to BS EN 1991-1-7 UK National Annex to Eurocode 1: Actions on structures. Part 1-7 : Accidental actions
BS EN 1991-2 Eurocode 1: Actions on structures. Traffic loads on bridges
NA to BS EN 1991-2 UK National Annex to Eurocode 1: Actions on structures. Traffic loads on bridges
BS EN 1992-1-1 Eurocode 2: Design of concrete structures– Part 1-1: General rules and rules for buildings
NA to BS EN 1992-1-1 UK National Annex to Eurocode 2: Design of concrete structures – Part 1-1: General rules and rules for buildings
BS EN 1992-2 Eurocode 2: Design of concrete structures – Part 2: Concrete bridges – Design and detailing rules
NA to BS EN 1992-2 UK National Annex to Eurocode 2: Design of concrete structure – Part 2: Concrete bridges – Design and detailing rules
BS EN 1992-3 Eurocode 2: Design of concrete structures – Part 3: Liquid retaining and containment structures
NA to BS EN 1992-3 UK National Annex to Eurocode 2: Design of concrete structure – Part 3: Liquid retaining and containment structures
BS EN 1993-1-1 Eurocode 3: Design of steel structures – Part 1-1 General rules and rules for buildings
NA to BS EN 1993-1-1 UK National Annex to Eurocode 3: Design of steel structures – Part 1-1 General rules and rules for buildings
BS EN 1993-1-3 Eurocode 3: Design of steel structures – Part 1-3 General rules – Supplementary rules for cold-formed members and sheeting
NA to BS EN 1993-1-3 UK National Annex to Eurocode 3: Design of steel structures – Part 1-3 Supplementary rules for cold-formed members and sheeting
BS EN 1993-1-4 Eurocode 3: Design of steel structures – Part 1-4 General rules – Supplementary rules for stainless steels
NA to BS EN 1993-1-4 UK National Annex to Eurocode 3: Design of steel structures – Part 1-4 Supplementary rules for stainless steels
BS EN 1993-1-5 Eurocode 3: Design of steel structures – Part 1-5 Plated structural elements
NA to BS EN 1993-1-5 UK National Annex to Eurocode 3: Design of steel structures – Part 1-5 Plated structural elements
BS EN 1993-1-6 Eurocode 3: Design of steel structures – Part 1-6 Strength and stability of shell structures
NA to BS EN 1993-1-6 UK National Annex to Eurocode 3: Design of steel structures – Part 1-6 Strength and stability of shell structures (publication of this document to be confirmed by BSi)
BS EN 1993-1-7 Eurocode 3: Design of steel structures – Part 1-7 Plated structures subject to out of plane loading
NA to BS EN 1993-1-7 Eurocode 3: Design of steel structures – Part 1-7 Plated structures subject to out of plane loading (publication of this document to be confirmed by BSi)
BS EN 1993-1-8 Eurocode 3: Design of steel structures – Part 1-8 Design of joints
NA to BS EN 1993-1-8 UK National Annex to Eurocode 3: Design of steel structures – Part 1-8 Design of joints
BS EN 1993-1-9 Eurocode 3: Design of steel structures – Part 1-9 Fatigue
NA to BS EN 1993-1-9 UK National Annex to Eurocode 3: Design of steel structures – Part 1-9 Fatigue
BS EN 1993-1-10 Eurocode 3: Design of steel structures – Part 1-10 Material toughness and through-thickness properties
NA to BS EN 1993-1-10 UK National Annex to Eurocode 3: Design of steel structures – Part 1-10 Material

toughness and through thickness properties
BS EN 1993-1-11 Eurocode 3: Design of steel structures – Part 1-11 Design of structures with tension components
NA to BS EN 1993-1-11 UK National Annex to Eurocode 3: Design of steel structures – Part 1-11 Design of structures with tension components
BS EN 1993-1-12 Eurocode 3: Design of steel structures – Part 1-12 Additional rules for the extension of EN 1993 up to steel grades S 700
NA to BS EN 1993-1-12 UK National Annex to Eurocode 3: Design of steel structures – Part 1-12 Additional rules for the extension of EN 1993 up to steel grades S 700
BS EN 1993-2 Eurocode 3: Design of steel structures – Part 2 Steel bridges
NA to BS EN 1993-2 UK National Annex to Eurocode 3: Design of steel structures – Part 2 Steel bridges
BS EN 1993-5 Eurocode 3: Design of steel structures – Part 5 Piling
NA to BS EN 1993-5 National Annex to Eurocode 3: Design of steel structures – Part 5 Piling
BS EN 1994-1-1 Eurocode 4: Design of composite steel and concrete structures – Part 1-1 General rules and rules for buildings
NA to BS EN 1994-1-1 National Annex to Eurocode 4: Design of composite steel and concrete structures – Part 1-1 General rules and rules for buildings
BS EN 1994-2 Eurocode 4: Design of composite steel and concrete structures – Part 2 General rules and rules for bridges
NA to BS EN 1994-2 National Annex to Eurocode 4: Design of composite steel and concrete structures – Part 2 General rules and rules for bridges
BS EN 1995-1-1 Eurocode 5: Design of timber structures – Part 1-1 General – common rules and rules for buildings
NA to BS EN 1995-1-1 National Annex to Eurocode 5: Design of timber structures – Part 1-1 General – common rules and rules for buildings
BS EN 1995-2 Eurocode 5: Design of timber structures – Part 2 Bridges
NA to BS EN 1995-2 National Annex to Eurocode 5: Design of timber structures – Part 2 Bridges
BS EN 1996-1-1 Eurocode 6: Design of masonry structures – Part 1-1 General rules for reinforced and unreinforced masonry structures
NA to BS EN 1996-1-1 National Annex to Eurocode 6: Design of masonry structures – Part 1-1 General rules for reinforced and unreinforced masonry structures
BS EN 1996-2 Eurocode 6: Design of masonry structures – Part 2 Design considerations, selection of materials and execution of masonry
NA to BS EN 1996-2 National Annex to Eurocode 6: Design of masonry structures – Part 2 Design considerations, selection of materials and execution of masonry
BS EN 1996-3 Eurocode 6: Design of masonry structures – Part 3 Simplified calculation methods for unreinforced masonry structures
NA to BS EN 1996-3 National Annex to Eurocode 6: Design of masonry structures – Part 3 Simplified calculation methods for unreinforced masonry structures
BS EN 1997-1 Eurocode 7: Geotechnical design – Part 1 General rules
NA to BS EN 1997-1 National Annex to Eurocode 7: Geotechnical design – Part 1 General rules
BS EN 1997-2 Eurocode 7: Geotechnical design – Part 2 Ground investigation and testing
NA to BS EN 1997-2 UK National Annex to Eurocode 7: Geotechnical design – Part 2 Ground investigation and testing
BS EN 1998-1 Eurocode 8: Design of structures for earthquake resistance – Part 1 General rules, seismic actions and rules for buildings
NA to BS EN 1998-1 Eurocode 8: Design of structures for earthquake resistance – Part 1 General rules, seismic actions and rules for buildings
BS EN 1998-2 Eurocode 8: Design of structures for earthquake resistance – Part 2 Bridges
NA to BS EN 1998-2 National Annex to Eurocode 8: Design of structures for earthquake resistance – Part 2 Bridges
BS EN 1998-5 Eurocode 8: Design of structures for earthquake resistance - Part 5 Foundations, retaining

structures and geotechnical aspects
NA to BS EN 1998-5 Eurocode 8: Design of structures for earthquake resistance - Part 5 Foundations, retaining structures and geotechnical aspects
BS EN 1999-1-1 Eurocode 9: Design of aluminium structures– Part 1-1 General structural rules
NA to BS EN 1999-1-1 Eurocode 9: Design of aluminium structures - Part 1-1 General structural rules
BS EN 1999-1-3 Eurocode 9: Design of aluminium structures – Part 1-3 Structures susceptible to fatigue
NA to BS EN 1999-1-3 Eurocode 9: Design of aluminium structures - Part 1-3 Structures susceptible to fatigue
BS EN 1999-1-4 Eurocode 9: Design of aluminium structures – Part 1-4 Cold formed structural sheeting
NA to BS EN 1999-1-4 Eurocode 9: Design of aluminium structures - Part 1-4 Cold formed structural sheeting
BS EN 1337 Structural bearings
BS EN 10025 Hot rolled products of structural steels – Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance
BS EN 15050 Precast concrete products – Bridge elements
BS EN 1090-1 Execution of steel structures and aluminium structures - Part 1: Requirements for conformity assessment of structural components
BS EN 1090-2 Execution of steel structures and aluminium structures – Part 2: Technical requirements for the execution of steel structures
BS EN 1090-3 Execution of steel structures and aluminium structures – Part 3: Technical requirements for aluminium structures
BS EN 13670 Execution of concrete structures

11. Invocation of the Emergency Procedure
No

12. Grounds for the Emergency
-

13. Confidentiality
No

14. Fiscal measures
No

15. Impact assessment
-

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

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