



Notification Number: 2013/529/UK

**Manual of Contract Documents for Highway Works, Volume 1, Specification for Highway Works, Series 1800 - Structural Steelwork Manual of Contract Documents for Highway Works, Volume 2, Notes for Guidance for the Specification for Highway Works, Series NG 1800 - Structural Steelwork Manual of Contract Documents for Highway Works, Volume 2, Notes for Guidance for the Specification for Highway Works, Series NG 100 Table NG 1/1 (part relevant to Specification for Highway Works Series 1800)**

Date received : 17/09/2013

End of Standstill : Closed

## Message

Message 001

Communication from the Commission - TRIS/(2013) 02388

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 : 2013/0529/UK - Notificare.

No abre el plazo - Nezahtuje 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 késésekét - 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: 201302388.EN)

### 1. Structured Information Line

MSG 001 IND 2013 0529 UK EN 17-09-2013 UK NOTIF

### 2. Member State

UK

### 3. Department Responsible



Department for Business, Innovation and Skills  
Knowledge & Innovation Group  
1 Victoria Street, London, SW1H 0ET.

Email: 9834@bis.gsi.gov.uk.

### **3. Originating Department**

Highways Agency  
Woodlands  
Manton Lane  
Bedford  
MK41 7LW

### **4. Notification Number**

2013/0529/UK - B00

### **5. Title**

Manual of Contract Documents for Highway Works, Volume 1, Specification for Highway Works, Series 1800 - Structural Steelwork

Manual of Contract Documents for Highway Works, Volume 2, Notes for Guidance for the Specification for Highway Works, Series NG 1800 - Structural Steelwork

Manual of Contract Documents for Highway Works, Volume 2, Notes for Guidance for the Specification for Highway Works, Series NG 100 Table NG 1/1 (part relevant to Specification for Highway Works Series 1800)

### **6. Products Concerned**

Structural steelwork used in and for the construction of steel highway structures on the UK Strategic Trunk Road Network.

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

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### **8. Main Content**

The Specification for Highway Works (SHW) provides the general works information used for highway construction works on the UK Strategic Trunk Road Network.

The SHW Series 1800 and accompanying Notes for Guidance Series NG1800 address information relating to the execution of structural steelwork in accordance with BS EN 1090-2:2008+A1:2011 in the SHW and associated Notes for Guidance to the SHW (NGSHW) respectively. The extract of Table NG 1/1 provides a summary of testing requirements given in SHW Series 1800 and will be included in a revision to Basic Text 2013/359/UK.

The SHW Series 1800 gives the general requirements, choice of options and additional information required by BS EN 1090-2:2008+A1:2011 for the execution of structural steelwork in highway structures.

The NGSHW Series NG1800 gives guidance for those compiling the contract specific parts of the specification associated with the requirements in SHW Series 1800 that require contract specific information to be provided.



The NGSHW Series 1800 includes a template for the numbered appendix for the contract specific specification compiler to use to give contract specific information. This ensures works information is presented in highway works procurement contracts involving structural steelwork in a consistent manner.

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

The use of the Specification for Highway Works is mandatory for the construction of all works on the UK Strategic Road Network. For application in the Devolved Administrations of the UK amendments are incorporated to take account of local conditions.

These documents give the requirements for the execution of structural steelwork for structures designed in accordance with the Eurocodes and give requirements for complying with regulation EU No 305/2011, in respect of structural steel components.

## 10. Reference Documents - Basic Texts

References of the Basic Texts: References of the Basic Texts:

SHW Series 1900, Protection of Steelwork Against Corrosion (Notified in parallel)

SHW Series 2300 Clause 2301, NG 2300 Clause NG 2301, Bridge expansion joints

SHW Series 2600 Clause 2601, NG 2600 Clause NG2601, Bedding mortar

BS EN 1090-2:2008+A1:2011 – Execution of steel structures and aluminium structures Part 2: Technical requirements for steel structures

BS EN ISO 3834 (all parts) – Quality requirements for fusion welding of metallic materials

EN ISO 9001 – Quality management systems. Requirements

BS EN 1090-1:2009+A1:2011 – Execution of steel structures and aluminium structures Part 1: Requirements for conformity assessment of structural components

BS EN 1990:2002+A1:2005 Eurocode – Basis of structural design.

BS EN ISO 3269:2001 Fasteners – Acceptance inspection.

BS EN 1779 – Non-destructive testing. Leak testing. Criteria for method and technique selection.

BS EN 1593 – Non-destructive testing. Leak testing. Bubble emission techniques.

BS EN ISO 17640:2010 – Non-destructive testing of welds. Ultrasonic testing. Techniques, testing levels, and assessment.

BS EN 10025-1:2004 – Hot rolled products of structural steels – Part 1: General technical delivery conditions

BS EN 10025-5 – Hot rolled products of structural steels – Part 5: Technical delivery conditions for structural steels with improved atmospheric corrosion resistance

BS EN 10025-6 – Hot rolled products of structural steels – Part 6: Technical delivery conditions for flat products of high yield strength structural steels in the quenched and tempered condition

BS EN 10163-2 – Delivery requirements for surface condition of hot rolled steel plates, wide flats and sections – Part 2: Plate and wide flats

BS EN 10163-3 – Delivery requirements for surface condition of hot rolled steel plates, wide flats and sections – Part 3: Sections

BS EN 10160 – Ultrasonic testing of steel flat product of thickness equal or greater than 6mm (reflection method)

BS EN 14399-3 – High-strength structural bolting assemblies for preloading – Part 3: System HR – Hexagon bolt and nut assemblies

BS EN ISO 13918:2008 – Welding. Studs and ceramic ferrules for arc stud welding

BS EN ISO 15614-1 – Specification and qualification of welding procedures for metallic materials – Welding procedure test – Part 1: Arc and gas welding of steel and arc welding of nickel and nickel alloys

BS EN ISO 15613 – Specification and qualification of welding procedures for metallic materials – Qualification



based on pre-production welding test

BS EN ISO 14555:2006 – Welding – Arc stud welding of metallic materials

BS EN 10088-1 – Stainless steels – Part 1: List of stainless steels

BS EN 12944-3:1998 – Paints and varnishes. Corrosion protection of steel structures by protective paint systems. Design considerations

BS EN ISO 8501-1 – Preparation of steel substrates before application of paints and related products. Visual assessment of surface cleanliness. Rust grades and preparation grades of uncoated steel substrates and of steel substrates after overall removal of previous coatings

BS EN ISO 8501-3:2007 – Preparation of steel substrates before application of paints and related products. Visual assessment of surface cleanliness. Preparation grades of welds, edges and other areas with surface imperfections

BS EN 1435 – Non-destructive testing of welds. Radiographic examination of welded joints

BS EN ISO 6520-1:2007 – Welding and allied processes. Classification of geometric imperfections in metallic materials. Fusion welding

BS EN ISO 5817:2007 – Welding. Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded). Quality levels for imperfections

BS EN ISO 23277 – Non-destructive testing of welds. Penetrant testing of welds. Acceptance levels

BS EN ISO 23278 – Non-destructive testing of welds. Magnetic particle testing of welds. Acceptance levels

BS EN 1993 (all parts) – Eurocode 3 – Design of steel structures

BS EN 1994 (all parts) – Eurocode 4 – Design of composite steel and concrete structures

BS EN 287-1:2011 – Qualification test of welders. Fusion welding. Steels

BS EN 571-1:1997 – Non-destructive testing. Penetrant testing. General principles

BS EN 1290:1998 – Non-destructive examination of welds. Magnetic particle examination of welds.

BS EN 1418:1998 – Welding personnel. Approval testing of welding operators for fusion welding and resistance weld setters for fully mechanized and automatic welding of metallic materials.

BS EN 12062:1998 – Non-destructive examination of welds. General rules for metallic materials.

BD2/12 – Technical approval of highway structures (Previous Notification 2011/421/UK)

PD 6703:2009 - Structural bearings – Guidance on the use of structural bearings

PD 6705-2:2010+A1:2013 – Structural use of steel and aluminium. Recommendations for the execution of steel bridges to BS EN 1090-2

ASTM A325 - American Society for Testing and Materials – Standard Specification for Structural Bolts, Steel, Heat Treated 830 MPa Minimum Tensile Strength

Basic Texts have been forwarded within the framework of a previous notification: 2013/357/UK: 2013/359/UK

#### **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

Contact point Directive 98/34

Fax: +32 229 98043

email: [dir83-189-central@ec.europa.eu](mailto:dir83-189-central@ec.europa.eu)