



PRESS RELEASE

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6th EDITION OF THE NATIONAL STRUCTURAL STEELWORK SPECIFICATION FOR BUILDING CONSTRUCTION RELEASED

The 6th Edition of the National Structural Steelwork Specification for Building Construction (NSSS) has now been released.

The NSSS is the national standard for specifying structural steelwork for use in building.

The 6th edition supersedes the 5th edition (CE Marking version) of the NSSS and tender documentation and construction contracts should be changed to reference the 6th edition of the NSSS for the steelwork specification.

The 6th edition can be used for all types of building construction designed for static loading and is based on Execution Class 2 structural steelwork designed in accordance with BS 5950-1 or BS EN 1993-1-1 (including BS EN 1993-1-8 and BS EN 1993-1-10) and executed in accordance with BS EN 1090-1 and BS EN 1090-2.

The main changes between the previous 5th edition (CE Marking version) and the 6th edition are:

- Various clauses throughout the NSSS have been modified to make it clear that under the *Construction (Design and Management) Regulations 2015* all parties have a duty to cooperate with others involved in the construction of the Works
- Additional definitions for terms used in Building Information Modelling (BIM) have been added and Sections 1 and 3 of the NSSS have been updated to include the BIM information required and provided by the Steelwork Contractor
- UK suppliers and distributors of structural fasteners shall comply with National Highways Sector Scheme 3 (NHSS3) or an equivalent quality management system
- BS EN 1993-1-10 'Design of steel structures. Part 1.10 Material toughness and through-thickness properties', allows fracture mechanics to be used to determine toughness requirements. This approach has been included in Section 2.2.5 as an alternative to selecting the steel qualities according to Table 2.2
- The tables for specifying ordinary and preloaded bolt assemblies have been updated and include additional tables for ordinary tie-bar assemblies and matching ordinary tie-bar assemblies

- Clause 4.1.1 on the traceability of steel products and in particular the meaning of ‘Partial’ traceability has been clarified
- A new Clause 4.11 has been added which describes the method for adding together permitted deviations
- Clause 5.3.2 has been modified to allow the Responsible Welding Coordinator to act as the examiner/examining body for the approval of welding procedure provided suitable competence can be demonstrated
- Clause 5.6 on the welding of shear studs has been revised and includes requirements for initial type testing and routine testing
- A new Clause 11.5 on modifications has been added to make it clear that any proposals to improve or modify the work shall be considered and confirmed by the engineer prior to the modifications being carried out
- References to British Standards (issued with BS, BS EN, BS EN ISO or BS ISO references) have been updated throughout the specification

Copies of the National Structural Steelwork Specification for Building Construction 6th Edition (BCSA Publication No. 57/17) can be obtained from BCSA’s web site www.steelconstruction.org/shop This book is only available in PDF format.

Cost:

£20 for Non-members

£15 for BCSA members.

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BCSA Limited is the national organisation for the steel construction industry. Its member companies undertake the design, fabrication and erection of steelwork for all forms of construction in building and civil engineering, and supply products and services to the industry.