
**VOLUME 0 MODEL CONTRACT
DOCUMENT FOR MAJOR
WORKS AND
IMPLEMENTATION
REQUIREMENTS**

**SECTION 2 IMPLEMENTING
STANDARDS**

PART 14

SD 13/03

**IMPLEMENTATION OF MAY 2003
AMENDMENTS TO SPECIFICATION
FOR HIGHWAY WORKS AND NOTES
FOR GUIDANCE ON SPECIFICATION
FOR HIGHWAY WORKS AND
PREPARATION OF BILLS OF
QUANTITIES FOR HIGHWAY WORKS**

SUMMARY

This Standard introduces the May 2003 amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works and Preparation of Bills of Quantities for Highway Works. Implementation requirements for the amendments are given for their use in trunk road contracts in the UK.

INSTRUCTIONS FOR USE

This is a new document to be incorporated into the manual.

1. Insert SD 13/03 into Volume 0, Section 2.
2. Archive this sheet as appropriate.

Note: A quarterly index with a full set of Volume Contents Pages is available separately from The Stationery Office Ltd.



THE HIGHWAYS AGENCY



SCOTTISH EXECUTIVE DEVELOPMENT DEPARTMENT



**WELSH ASSEMBLY GOVERNMENT
LLYWODRAETH CYNULLIAD CYMRU**



**THE DEPARTMENT FOR REGIONAL DEVELOPMENT
NORTHERN IRELAND**

Implementation of May 2003 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works and Preparation of Bills of Quantities for Highway Works

Summary: This Standard introduces the May 2003 amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works and Preparation of Bills of Quantities for Highway Works. Implementation requirements for the amendments are given for their use in trunk road contracts in the UK.

REGISTRATION OF AMENDMENTS

Amend No	Page No	Signature & Date of incorporation of amendments	Amend No	Page No	Signature & Date of incorporation of amendments

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1. INTRODUCTION AND IMPLEMENTATION

Introduction

1.1 This Standard introduces the May 2003 national amendments to the Specification for Highway Works (SHW) and the Notes for Guidance on Specification for Highway Works (NG) and Bills of Quantities for Highway Works (MMHW, LSID).

1.2 The amendments are to be used in the preparation of documents for contracts for the construction, improvement or maintenance of trunk roads including motorways in England, Scotland, Wales and Northern Ireland. (In Northern Ireland the amended documents will be applicable to those roads designated by the Overseeing Organisation.)

1.3 This amending Standard is to be used in conjunction with:

SD 1/98 (Implementation of Specification for Highway Works and Notes for Guidance)

SD 2/92 (Implementation of Highway Construction Details)

SD 3/98 (Preparation of Bills of Quantities for Highway Works)

Annex C of SD 6/94 (Implementation of 1993 Annual Amendments to Specification for Highway Works and Notes for Guidance, Highway Construction Details and Preparation of Bills of Quantities for Highway Works)

Annex C of SD 6/95 (Implementation of 1994 Annual Amendments to Specification for Highway Works and Notes for Guidance, Highway Construction Details and Preparation of Bills of Quantities for Highway Works)

SD 6/98 (Implementation of 1998 Annual Amendments to Highway Construction Details)

SD 7/98 (Implementation of July 1998 Amendments to Specification for Highway Works, Notes for Guidance and Highway Construction Details)

SD 8/00 (Implementation of January 2000 and May 2000 Amendments to the Highway Construction Details)

SD 9/01 (Implementation of May 2001 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works)

SD 10/02 (Implementation of May 2002 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works)

SD 11/02 (Implementation of November 2002 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works)

SD 12/02 (Implementation of February 2003 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works).

Implementation

1.4 Contracts for construction, improvement or maintenance of all UK trunk roads including motorways (in Northern Ireland those roads designated by the Overseeing Organisation) shall be prepared using:

- (i) the documents contained in the Manual of Contract Documents for Highway Works (MCHW) March 1998 edition for Volumes 1 and 2, as amended in June, July, August 1998, May 2001, May 2002, November 2002, February 2003 and May 2003.
- (ii) the 1991 edition for Volume 3 as amended in August 1993, August 1994, March 1998, July 1998, March 1999, January 2000, May 2000, May 2001, May 2002 and February 2003.
- (iii) the March 1998 edition for Volume 4 as amended in May 2001, May 2002, February 2003 and May 2003.

Contracts for which tenders are to be invited after 1 November 2003 shall incorporate by reference the amendments implemented by this Standard, except where the preparation of a contract has reached a stage at which, in the opinion of the Overseeing Organisation, use of the amendments would result in significant additional expense or delay progress.

1.5 The method of incorporating the amendments to the SHW by reference in tender documents is explained in the Notes for Guidance, Series NG 000 and sub-Clause NG 000.4. The amendment to the Notes for Guidance includes a revised Schedule of Pages and Relevant Publication Dates. A model Preamble is included in the Notes for Guidance. The Preamble to the Specification and the Schedule of Pages and Relevant Publication Dates shall be reproduced unaltered and bound in the Specification with the Numbered Appendices.

1.6 The drawings from the HCD brought into the Contract by reference are to be listed in Appendix 0/4 and dated as appropriate (sub-Clause NG 003.13 and NG Sample Appendix 0/4 in the Notes for Guidance refer).

Superseded Text and Drawings

1.7 Superseded text and drawings in the MCHW Volumes 1, 2, 3 and 4 shall be retained:

- (i) for those schemes for which the Contract has already been awarded using contract documents incorporating by reference the superseded text, and
- (ii) for new schemes for which specific approval has been given to use the superseded text under paragraph 1.4 above.

In these cases, working copies of the MCHW should not have the new amendments incorporated.

1.8 Where working copies of the MCHW are maintained for use on new schemes not covered by the exceptions in paragraph 1.7 above, the superseded pages should be removed and replaced with amended pages (together with all new pages issued).

1.9 Instructions for incorporating the amendments are contained in the published amendment packages.

1.10 The Overseeing Organisations will ensure each office retains an archive copy of MCHW Volumes 1, 2, 3 and 4 incorporating the relevant amendments.

2. REFERENCES

2.1 Manual of Contract Documents for Highway Works:

Volume 0: Model Contract Document for Major Works and Implementing Requirements (MCHW 0)

Section 2: Implementing Standards

Part 1 SD 1/98 Implementation of Specification for Highway Works and Notes for Guidance

Part 2 SD 2/92 Implementation of Highway Construction Details (Paragraph 1.5 is superseded by SD 6/94)

Part 3 SD 3/98 Preparation of Bills of Quantities for Highway Works

Part 5 SD 6/94 Implementation of 1993 Annual Amendments to Specification for Highway Works and Notes for Guidance, Highway Construction Details and Preparation of Bills of Quantities for Highway Works

Part 5 SD 6/95 Implementation of 1994 Annual Amendments to Specification for Highway Works and Notes for Guidance, Highway Construction Details and Preparation of Bills of Quantities for Highway Works

Part 7 SD 6/98 Implementation of 1998 Annual Amendments to Highways Construction Details

Part 8 SD 7/98 Implementation of July 1998 Amendments to Specification for Highway Works, Notes for Guidance, and Highway Construction Details

Part 9 SD 8/00 Implementation of January 2000 and May 2000 Amendments to the Highways Construction Details

Part 10 SD 9/01 Implementation of May 2001 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works

Part 11 SD 10/02 Implementation of May 2002 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works

Part 12 SD 11/02 Implementation of November 2002 Amendments to Specification for Highway Works and Notes for Guidance on Specification for and Highway Works

Part 13 SD 12/03 Implementation of February 2003 Amendments to Specification for Highway Works and Notes for Guidance on Specification for Highway Works, Highway Construction Details and Preparation of Bills of Quantities for Highway Works

Volume 1: Specification for Highway Works
(MCHW 1)

Volume 2: Notes for Guidance on the
Specification for Highway Works
(MCHW 2)

Volume 3: Highway Construction Details
(MCHW 3)

Section 1: Carriageway and Other Details

Section 2: Safety Fences and Barriers

Section 3: National Motorway
Communications System Installation
Drawings

Volume 4: Bills of Quantities for Highway Works
(MCHW 4)

Section 1: Method of Measurement for
Highway Works (MMHW)

Section 2: Notes for Guidance on the Method
of Measurement for Highway Works
(NGMMHW)

Section 3: Library of Standard Item
Descriptions (LSID)

3. ENQUIRIES

Approval of this document for publication is given by the undersigned:

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All technical enquiries or comments on this document should be sent in writing as appropriate to the above.

Schedule of May 2003 Amendments to Volume 1 (as amended in August 1998,
May 2001, May 2002, November 2002 and February 2003)
Specification for Highway Works

Series	Additional Clauses/Tables/Figures	Amended Clauses/Tables/Figures
N/A	Series 5000	Contents sheet
1900	1903.13 Wet Blast Cleaning Using High Pressure Water/ Abrasive System or Ultra High Pressure Water System on Site 1903.19 Additional Requirements for Grinding After and Preparation in the Shops or on site 1903.20	1901.2 1902.1 1903.1 1903.7 1903.8 1903.9 1903.10 1903.11 (sub-Clause heading amended) 1903.12 (sub-Clause heading amended) 1903.13 to 1903.17 (re-numbered) 1910.1 #1911.2 #1911.4 #1911.7 (sub-Clause heading amended) #1911.7 Table 19/1 Table 19/2A Table 19/2B Table 19/3B #1911.9 (sub-Clause heading amended) Table 19/4A Table 19/4B Table 19/4C #1912.2 #1912.3 #1912.6 #1912.9 #1912.10 1913.1 1913.4 1914.1 1914.4(i) 1914.9 1914.11 1914.12 1916.5 1921.2 1921.3 1921.4 1921.5 1911.6SE 1912.4SE 1912.5SE

Series	Additional Clauses/Tables/Figures	Amended Clauses/Tables/Figures
5000 (New Series)	5001 Introduction 5002 Surface Preparation - General Requirements 5003 Surface Preparation - Materials and Methods 5004 Surface Preparation - Workmanship Standards 5005 Metal Coatings 5006 Testing of Metal Spray Coatings #5007 Paint and Similar Protective Coatings 5008 Surface Preparation and Protective Systems #5009 Testing of Paints 5010 Storage Requirements and Keeping Periods for Paints 5011 Procedure Trials 5012 Application of Paint 5013 Form HA/P1 (Maintenance) Paint System Sheet (Appendix 50/1) Form HA/P2 Paint Data Sheet (Appendix 50/3) 5014 Access, Containment and Lighting 5015 Additional Requirements for the Protection of CCTV Masts, Steel Lighting Columns and Bracket Arms 5007SE Paint and Similar Protective Coatings	None
Appendices	None None None None	Appendix E Appendix E (NI) Appendix F (reference to standards updated) Appendix H

Schedule of May 2003 Amendments to Volume 2 (as amended in August 1998,
May 2001, May 2002, November 2002 and February 2003)
Notes for Guidance on the Specification for Highway Works

Series	Additional Clauses/Tables/Figures	Amended Clauses/Tables/Figures
N/A	Series NG 5000	Contents sheet
NG 000	None	Table NG 0/1 Table NG 0/2 Schedule of Pages and Relevant Publication Dates Sample List 'A'
NG 100	None	Table NG 1/1 NG Sample Appendix 1/6
NG 1700	None	NG 1708.1
NG 1900	NG 1903.14 Wet Blast Cleaning Using High Pressure and Water/Abrasive System or Ultra High NG 1903.15 Pressure Water System on Site #NG 1912.6 New Details for Samples despatching for Scotland #NG 1912.7 Further advice on Samples despatching for Northern Ireland NG 1903.14NI As NG 1903.14 and NG 1903.15 above and NG 1903.15NI	NG 1901.1 NG 1901.2 #NG 1903.11 (sub-Clause heading amended) #NG 1903.11 #NG 1903.12 (sub-Clause heading amended) #NG 1903.14 (re-numbered) #NG 1903.15 (re-numbered and amended) #NG 1903.16 (re-numbered) #NG 1903.17 (re-numbered) NG 1909.1 NG 1909.2 NG 1911.6(iv) NG 1911.8 NG 1911.9 NG 1911.11 (sub-Clause heading amended) NG 1911.11(iv)(b) NG 1911.13 (sub-Clause heading amended) NG 1911.13 (i) NG 1911.14(iii) to (iv) #NG 1912.5 #NG 1912.7 (re-numbered) #NG 1912.8 (re-numbered and amended) #NG 1912.9 to 11 (re-numbered) NG 1913.5 NG 1914.1 NG 1914.2 NG 1914.3 NG 1914.4 NG 1914.6 NG 1914.7 NG 1914.9 NG 1915.2 NG 1915.3 NG 1916.5 NG 1916.6 NG 1918.1 NG 1919.1 NG 1921.1 NG 1921.2 NG 1921.3 Appendix 19/1 Appendix 19/3 # Appendix 19/4 (Sheets 1 and 2)

Series	Additional Clauses/Tables/Figures	Amended Clauses/Tables/Figures
NG 1900 (cont.)		NG Sample Appendix 19/5 NG 1912SE (entire Clause deleted - Not used now) NG 1918.1SE NG 1918.2SE Appendix 19/4SE (Sheets 1 and 2) NG 1903.1NI (sub-Clause heading amended) NG 1903.11NI (sub-Clause heading amended) NG 1903.12NI (sub-Clause heading amended) NG 1903.13NI NG 1903.14NI (re-numbered) NG 1903.15NI (re-numbered and amended) NG 1903.16NI (re-numbered) NG 1903.17NI (re-numbered) Appendix 19/4 NI (Sheet 2)
NG 5000 (New NG Series)	NG 5001 Introduction NG 5002 Surface Preparation - General Requirements #NG 5003 Surface Preparation - Materials and Methods NG 5004 Surface Preparation -Workmanship Standards NG 5005 Metal Coatings NG 5006 Testing of Metal Spray Coatings #NG 5007 Paint and Similar Protective Coatings NG 5008 Surface Preparation and Protective Systems #NG 5009 Testing of Paints NG 5010 Storage Requirements and Keeping Periods for Paints NG 5011 Procedure Trials NG 5012 Application of Paint NG 5013 Form HA/P1 (Maintenance) Paint System Sheet (Appendix 50/1) Form HA/P2 Paint Data Sheet (Appendix 50/3) NG 5014 Access, Containment and Lighting NG 5015 Additional Requirements for the Protection of CCTV Masts, Steel Lighting Columns and Bracket Arms Appendix 50/1 (Specification For Highway Works) Form HA/P1 (Maintenance) Paint System Sheet (Sheets A and B) NG Sample Appendix 50/2 Requirements for Other Work Appendix 50/3 (Specification For Highway Works) Form HA/P2 Paint Data Sheet #Appendix 50/4 (Specification For Highway Works) Form HA/P3 Paint Sample Despatch List (Sheets 1 and 2) NG Sample Appendix 50/5 General Requirements NG 5013SE Form HA/P1 (maintenance) Paint System Sheet (Appendix 50/1) Form HA/P2 Paint Data Sheet (Appendix 50/3) Appendix 50/4SE (Specification For Highway Works) Form HA/P3 Paint Sample Despatch List (Sheets 1 and 2) NG 5003NI Surface Preparation - Materials and Methods Appendix 50/4NI (Specification For Highway Works) Form HA/P3 Paint Sample Despatch List (Sheets 1 and 2)	N/A
Annex 1	None	General update

Schedule of May 2003 Amendments to Volume 4 (dated March 1998, May 2001,
May 2002 and February 2003)
Bill of Quantities for Highway Works

Section 1: Method of Measurement for Highway Works

Chapter	Series	Additional Paragraph/Tables	Amended Paragraphs/Tables
IV	1900	None	4
IV	5000	Complete New Series	N/A

Section 2: Notes for Guidance on the Method of Measurement for Highway Works

Chapter	Series	Additional Paragraph/Tables	Amended Paragraphs/Tables
I, II & III	5000	Complete New Series	N/A

Section 3: Library of Standard Item Descriptions for Highway Works

Chapter	Series	Additional Paragraph/Tables	Amended Paragraphs/Tables
-	5000	Complete New Series	N/A