
APPENDIX F
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SPECIFICATION

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APPENDIX F PUBLICATIONS REFERRED TO IN THE SPECIFICATION

The following list, as modified and extended by the contract specific minor alterations in Appendix 0/2 (if any), is a list of the publications to which reference is made in the Specification:

1. (05/01) **BRITISH STANDARDS**

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BS EN ISO 11126	Preparation of steel substrates before application of paints and related products. Specification for non-metallic blast cleaning abrasives. (12/14)	1903
‘BS EN ISO 11126-3, BS 7079-F3’	Preparation of steel substrates before application of paints and related products. Specification for non-metallic blast cleaning abrasives. Part 3: Copper refinery slag (11/08)	5003
BS EN ISO 11126-7	Preparation of steel substrates before application of paints and related products. Specifications for non-metallic blast-cleaning abrasives. Part 7: Specifications for fused aluminium oxide (11/06)	5003
ISO 11126-10	Preparation of steel substrates before application of paints and related products. Specifications for non-metallic blast-cleaning abrasives Part 10: Almandite garnet. (12/14)	5003
BS EN ISO 11819-1	Acoustics. Measurement of the influence of road surfaces on traffic noise. Statistical pass-by method (02/16)	942 1026
BS EN ISO 11819-2	Acoustics. Measurement of the influence of road surfaces on traffic noise. (05/18)	942
BS EN ISO 12236	Geotextiles and geotextile-related products. Static puncture test (CBR-Test) (11/03)	514
BS EN ISO 12696	Cathodic protection of steel in concrete. (02/20)	5712 5718
BS EN ISO 12944	Paints and varnishes. Corrosion protection of steel structures by protective paint systems. (12/14)	
BS EN ISO 12944-3	Design considerations (12/14)	1810
BS EN ISO 12944-4	Types of surface and surface preparation (12/14)	Table 19/2B Table 19/4C
BS EN ISO 12956	Geotextile and geotextile-related products. Determination of characteristic opening size. (02/20)	514
BS EN ISO 13000	Plastics. Polytetrafluoroethylene (PTFE) semi-finished products (11/03)	
BS EN ISO 13000-1	Part 1: Requirements and designation (11/03)	2104
BS EN ISO 13918	Welding. Studs and ceramic ferrules for arc stud welding. (12/14)	1805
BS EN ISO 14122	Safety of machinery. Permanent means of access to machinery. (02/17)	
BS EN ISO 14122-1	Choice of fixed means and general requirements of access. (02/17)	1110
BS EN ISO 14122-3	Stairs, stepladders and guard-rails. (02/17)	1110

BS EN ISO 14555	Welding. Arc stud welding of metallic materials. (12/14)	1807 1812
BS EN ISO 14919	Thermal spraying, Wires, rods and cords for flame and arc spraying. Classification. Technical supply conditions. (12/14)	1909
BS EN ISO 15257	Cathodic protection. Competence levels of cathodic protection persons. Basis for certification scheme. (02/20)	5712
BS EN ISO 15607	Specification and qualification of welding procedures for metallic materials. General Rules (11/08)	402 1310 1606
BS EN ISO 15609	Specification and qualification of welding procedures for metallic materials. Welding procedure specification (11/05)	
BS EN ISO 15609-1	Part 1: Arc welding (11/08)	402 1310 1606
BS EN ISO 15613	Specification and qualification of welding procedures for metallic materials. Qualification based on pre-production welding test (11/08)	402 1606 1807
BS EN ISO 15614	Specification and qualification of welding procedures for metallic materials. Welding procedure test (11/05)	
BS EN ISO 15614-1	Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys (11/08)	402 1310 1606 1807
BS EN ISO 15614-2	Part 2: Arc welding of aluminium and its alloys (11/05)	402 1310
BS EN ISO/IEC 17020	Conformity assessment. Requirements for the operation of various types of bodies performing inspection (05/14)	104 104NI
BS EN ISO/IEC 17021	Conformity assessment. Requirements for bodies providing audit and certification of management systems (05/14)	104 104NI
BS EN ISO/IEC 17025	General requirements for the competence of testing and calibration laboratories (05/09)	105 870 1059
BS EN ISO/IEC 17065	Conformity assessment. Requirements for bodies certifying products, processes and services (05/14)	104 104NI
BS EN ISO 17637	Non-destructive testing of welds. Visual testing of fusion-welded joints (05/17)	402
BS EN ISO 17640	Non-destructive testing of welds. Ultrasonic testing. Techniques, testing levels, and assessment. (05/17)	402 Table 18/4 Table 18/6
BS EN ISO 17660	Welding – Welding of reinforcing steel (12/14)	1717
BS EN ISO 17660-1	Part 1: Load-bearing welded joints (12/14)	1717 5711
BS EN ISO 20345	Personal protective equipment. Safety footwear (11/05)	120
BS EN ISO 23277	Non-destructive testing of welds. Penetrant testing of welds. Acceptance levels. (12/14)	Table 18/9
BS EN ISO 23278	Non-destructive testing of welds. Magnetic particle testing of welds. Acceptance levels. (12/14)	Table 18/9

BS ISO 1817	Physical testing of rubber. Determination of the effects of liquids (11/03)	1017
BS ISO 11 922	Thermoplastics pipes for the conveyance of fluids (11/05)	
BS ISO 11 922-1	Part 1: Dimensions and tolerances. Metric series (11/05)	Table 5/9 Table 5/10
BS ISO 80000	Quantities and Units (05/14)	002

2. (05/01) **BRITISH STANDARD DRAFTS FOR DEVELOPMENT (DD) DOCUMENTS**
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None

3. (05/01) EUROPEAN STANDARDS

		Specification Clause/Table/ Appendix
prEN 14771	Bitumen and bituminous binders – Determination of the flexural creep stiffness – Bending Beam Rheometer (BBR) (11/08)	Table 9/6
DD ENV 1317-4: 2002	Road restraint systems. Performance classes, impact test acceptance criteria and test methods for terminals and transitions of safety barriers (11/08)	401 408

4. (05/01) **INTERNATIONAL STANDARDS**
(Published by the International Organization for Standardization)

		Specification Clause/Table/ Appendix
ISO 209	Wrought aluminium and aluminium alloys – Chemical composition and forms of products (11/05)	
ISO 209-1	Part 1: Chemical composition (11/05)	5005
ISO 752	Zinc ingots (05/03)	5005
ISO 898-2	Mechanical properties of fasteners Part 2: Nuts with specified proof load values – Coarse thread (11/08)	501
ISO 2859-1	Sampling procedures for inspection by attributes Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection (11/08)	311
ISO 4200	Plain end steel tubes, welded and seamless General tables of dimensions and masses per unit length (11/08)	1309
ISO 4892	Plastics (11/08)	626
ISO 13967	Thermoplastics fittings – Determination of ring stiffness (11/03)	Table 5/10

5. (05/14) **PUBLICATIONS OF THE DEPARTMENT FOR TRANSPORT AND OTHER GOVERNMENT OFFICES**

(Published by The Stationery Office (formerly HMSO)) (02/03)

		Specification Clause/Table/ Appendix
(i)	Traffic Signs Manual	1216
	Chapter 1. Introduction 1977	1208
	Chapter 7. The Design of Traffic Signs 1997	1216
	Chapter 8. Traffic Safety Measures and Signs for Road Works and Temporary Situations (11/06)	102 #117 117NI
		1216
(ii)	Working Drawings for Traffic Sign Design and Manufacture (Volumes 1, 2 and 3) (11/08)	1216 1201

6. (05/01) UK OVERSEEING ORGANISATIONS PUBLICATIONS INCLUDING THEIR
PREDECESSOR'S PUBLICATIONS
(Published by The Stationery Office or HMSO)

			Specification Clause/Table/ Appendix
(a)	Bridges – Advice Notes		
(i)	BA 35	Inspection and Repair of Concrete Highway Structures. (DMRB 3.3.2). (Not applicable for use in Scotland Northern Ireland addendum applicable for use in Northern Ireland) (05/05)	1714
(b)	Bridges – Standards		
(i)	BD 2 (CG300)	Technical Approval of Highways Structures (DMRB 1.1.1) (05/14)	106 5702
(ii)	BD 12	Design of Corrugated Steel Buried Structures with Spans not greater than 0.9 metres and up to 8.0 metres (DMRB 2.2.6) (11/08)	2501 Table 25/1
(iii)	BD 13	Design of Steel Bridges. Use of BS 5400: Part 3: 2000 (DMRB 1.3.14) (11/08)	408
(iv)	BD 26	Design of Lighting Columns. (DMRB 2.2.1) (11/08)	1207 #1301 1301NI 1302 1306
(v)	BD 33	Expansion Joints for Use in Highway Bridge Decks (DMRB 2.3.6) (11/08)	2301
(vi)	BD 35	Quality Assurance Scheme for Paints and Similar Protective Coatings. (DMRB 2.4.1) (11/08)	1221 1901 1911 Table 19/1 5001 5007 5008 Table 50/1 1911SE
(vii)	BD 37	Loads for Highway Bridges (DMRB 1.3.14) (05/05)	408
(viii)	BD 62 / CG 302	As Built, Operational and Maintenance Records for Highway Structures (DMRB 3.2.1) (12/14)	1702 1705 1710 1714 1709 1729 5712
(ix)	BD 68	Crib Retaining Walls. (DMRB 2.1.3) (05/05)	625

(x)	BD 70	Strengthening/Reinforced Soils and Other Fills for Retaining Walls and Bridge Abutments. Use of BS 8006: 1995, Incorporating Amendment No 1 (Issue 2 March 1999) (DMRB 2.1.5) (05/06)	2502
(xi)	BD 83	Design of CCTV Masts (DMRB 2.2.11) (11/08)	1302 1306
(xii)	BD 87	Maintenance of Painting of Steelwork (DMRB 3.2.2) (05/05)	5001
(xiii)	BD 88	Design of Cantilever Masts for Traffic Signals and/or Speed Cameras (DMRB 2.2.13) (05/05)	#1301 1301NI 1302 1312
(xiv)	BD 91	Unreinforced Masonry Bridges (DMRB 2.2.14) (11/08)	2503
(c)	DMRB – Introduction and General Arrangements (02/17)		
(i)	GD 01	Introduction to the Design Manual for Roads and Bridges (DMRB 0.1.2) (02/17)	1501
(ii)	GD 02	Quality Management Systems for Highway Design Activities (DMRB 0.2.1) (02/17)	1501
(iii)	GD 04	Standard for Safety Risk Assessment on the Strategic Road Network (DMRB 0.2.3) (02/17)	1501
(d)	Highways – Standards (05/05)		
(i)	HD 29	Structural Assessment Methods (DMRB 7.3.2) (05/14)	3824
(ii)	HD 22	Managing Geotechnical Risk (DMRB 4.1.2) (02/17)	1110
(iii)	TD 19 / CD 377	Requirements for Road Restraint Systems (DMRB 2.2.8) (05/17)	117 306 401 406 407 411 117NI
(iv)	CD 225	Design for New Pavement Foundations (03/20)	882 884
(v)	CS 229	Data for Pavement Assessment (03/20)	882
(e)	Highways England traffic systems and signing publications		
	Traffic Control and Communications – Specifications		
(i)	TR 0102	Traffic Signals and Traffic Signal Equipment (05/04)	1217
(ii)	TR 1000	Introduction to the Traffic Systems and Signing Registry (02/17)	1501
(iii)	TR 1100	General Technical Requirements for Motorway Communications Equipments (02/17)	1501
(iv)	TR 2130	Environmental Tests for Communications Equipment and Portable and Permanent Road Traffic Control Equipment for use on Trunk Roads (02/17)	1501
(v)	TRG 0500	Type Approval of Equipment (05/04)	1217
(vi)	TRH 2583	General Regulation Highways Agency Cables (02/17)	1506
(vii)	MCE 2241	Requirements Specification for Closed-circuit Television Television Outstation (02/17)	1534

(viii)	MCE 2536	Requirements for CCTV Outstation Camera Cable & Connector (02/17)	1534
(ix)	MCG 1022	Testing for Newly Installed Motorway Communications and Power Cables (05/04)	1518
(x)	MCH 1540	Specification for the Installation of Detector Loops on Motorways and All Purpose Trunk Roads (05/04)	1218
(xi)	MCH 1349	Technology Maintenance Instruction Operational and Maintenance Requirements for Technology Systems and Equipment (02/17)	1504
(xii)	MCH 1652	Communications Records Drawings – Computer Aided Drawings Standard (02/17)	1504
(f)	Transport Scotland Interim Amendments (05/18)		
(i)	No. 35/15	TS2010 Surface Course Specification and Guidance (05/18)	942TS

7.	(05/14) TRANSPORT RESEARCH LABORATORY REPORTS (Published by TRL (formerly TRRL) and by The *Stationery Office (formerly HMSO))		
		Specification Clause/Table/ Appendix	
(i)	CR54	Soil corrosivity assessment – D Eyre and D A Lewis	Table 6/3
(ii)	TRL273	Use and application of the MCA with particular reference to glacial tills – G D Matheson and M G Winter. 1997	632SE
(iii)	TRL447	Sulfate specification for structural backfills – J M Reid, M A Czerewko and J C Cripps (05/09)	2403 2406 2417 2503 2601 2602
(iv)	TRL 674	Durability of thin surfacing system, Part 4, Final report after nine years monitoring. (05/18)	923 942

8. (05/14) UK AND EU LEGISLATION

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Construction Products Regulation ((EU) 305/2011) (05/17)	#104 104NI 401 1800
Construction Products Directive (89/106/EEC) (11/04)	#104 104NI
Low Voltage Directive (2006/95/EC) (05/14)	#104 104NI 1512 1514 1530
Electromagnetic Compatibility Directive (2004/108/EC) (05/14)	#104 104NI
The Traffic Signs Regulations and General Directions. (02/17)	102 #104 #117 120 1201 1212 1213 1214 1215 1216 1201NAW 1508 1519 Appx D
The Traffic Signs Regulations (Northern Ireland) 1997	104NI 117NI 1201NI 1212NI 1213NI 1214 1215 1216
The Zebra, Pelican and Puffin Pedestrian Crossings Regulations (Northern Ireland) 2008 (11/06)	104NI 1201NI
The ‘Pelican’ Pedestrian Crossings Regulations (Northern Ireland) 1989	1201NI
The ‘Zebra, Pelican and Puffin’ Pedestrian Crossings Regulations and General Directions. 1997 (11/04)	#104 #1201 1201NAW
Personal Protective Equipment Directive (89/686/EEC) (11/04)	#117 117NI
Road Vehicle (Construction and Use) Regulations (11/05)	120
Road Vehicle Lighting Regulations (11/05)	120
Road Transport Act and Road Traffic Act (11/05)	120

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Hazardous Waste (England and Wales) Regulations 2005 (11/05)	#601 601W
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The Electricity at Work Regulations. 1989 (11/08)	1401 1402
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9. (05/14) QUALITY MANAGEMENT SCHEMES PUBLICATIONS

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None

10. (05/14) MISCELLANEOUS

	Specification Clause/Table/ Appendix
Government Buying Standards (05/14)	101
EU Green Public Procurement (05/14)	101
The Highways Agency's Visual Identity Specifications (05/14)	110
Code of Practice on Health and Safety for Vehicle Recovery Operations Published by the Association of Vehicle Recovery Operators (11/05)	120
The Speedmeter Handbook (05/14)	117 117NI
PAS 43:2002: Safe working of vehicle breakdown and recovery operators. Management system specification Published by the British Standards Institution (11/05)	120
Regulation 65 on Special Warning Lamps – Road Vehicle Lighting Regulations and the United Nations Economic Commission for Europe (UNECE) (11/05)	120
UK Government Timber Procurement Policy: Criteria for Evaluating (05/14) Certification Schemes (Category A Evidence) (05/14)	126
UK Government Timber Procurement Policy: Framework for Evaluating Category B Evidence (05/14)	126
Forest Law Enforcement, Government and Trade (FLEGT) Voluntary Partnership Agreement (VPA) (05/14)	126
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The American Association of State Highway and Transportation Officials Standard M274-87 (2004): Interim Specification for Steel Sheet Aluminous Coatings for Corrugated Steel Pipes. 1987 (05/06)	501
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Maps of the Geological Survey of Northern Ireland (11/05)	601NI
SSD Application Guide No. 1 (revised 1989). Printed and Published by the Scottish Development Department (11/05)	632SE
Specification for the Reinstatement of Openings in Highways. Issued by the Highway Authorities and Utilities Committee (11/05)	706 1043
'Quality Control – Production of Recycled Aggregates' Published by Waste and Resources Action Programme (WRAP), The Old Academy, 21 Horse Fair, Banbury, OX16 0AH. The document is also available on the WRAP website: http://www.wrap.org.uk (11/05)	710

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BSI PD 6691 Guidance on the use of BS EN 13108 Bituminous mixtures – Material specifications. British Standards Institution publication (11/08)	901
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	1026
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The American Society for Testing and Materials ASTM F1249-1: Standard Test Method for Water Vapor Transmission Rate Through Plastic Film and Sheeting Using a Modulated Infrared Sensor (05/06)	1421
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The American Petroleum Institute Specification for Line Pipe (API Specification 5L) (11/05)	1606
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Note 58/95 ‘Phytophthora root disease’ by R G Strouts	3010
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Note 111/92 ‘Bleeding canker of Caucasian Lime (<i>Tilia x euchlora</i>)’ by J N Gibbs	3010
Note 118/94 ‘Fireblight of ornamental trees and shrubs’ by R G Strouts (11/05)	3010
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