



National Highways Sector Schemes for Quality Management in Highway Works

19A

For corrosion protection of ferrous materials by
industrial coatings

**Published by the Sector Scheme Advisory Committee for
Corrosion Protection of Transportation Infrastructure
Assets (SSACCP)**

DOCUMENT CONTROL

Issue Statement

UKAS Issue 1	1 st October 2006
UKAS Issue 2	December 2007
UKAS Issue 3	July 2009
UKAS Issue 4	February 2011
UKAS Issue 5	November 2011

Revisions

It is the SSACCP's policy that the issue of any revision to this document shall be an issue of the full document rather than individual pages. The following gives details of the changes that have been made in this and previous editions of the document.

Issue	Amendments
UKAS Issue 1	First Issue
UKAS Issue 2	<p>Some minor formatting errors corrected throughout and page numbers in contents list corrected not noted below.</p> <p>Document Control – UKAS Issue 2 details added</p> <p>Contents – ‘UKAS 1’ changed to ‘UKAS 2’</p> <p>Contents – Appendix C – Title changed, ‘For Corrosion Protection Operatives, Forepersons and Inspectors’ deleted.</p> <p>Composition of Sector Scheme Advisory Committee – Lists changed to reflect those that actually attended committee meetings and those that were invited but did not attend.</p> <p>Composition of Sector Scheme Advisory Committee – BCSA – ‘Construction’ changed to ‘Constructional’.</p> <p>Implementation of Issue – 2nd Paragraph – Reference added to Table C1 for implementation of ICATS.</p> <p>Implementation of Issue – 3rd Paragraph ‘Certification Bodies will be able to issue Certificates of Registration from 1st July 2007.’ Deleted.</p> <p>Implementation of Issue – Note – ‘contracted’ after ‘suppliers’ deleted.</p> <p>Implementation of Issue – * Note – Amended to clarify equivalence of accreditation bodies.</p> <p>Introduction – 8th Paragraph – Reference to BS EN ISO9001:2000 corrected.</p> <p>Introduction – 9th Paragraph – Guidance regarding use of the current version of the document improved.</p> <p>1. Scope – 2nd Paragraph – ‘of’ before ‘ferrous materials’ changed to ‘to’.</p> <p>2. Normative References – BS ISO10005:2005 added</p> <p>3. Terms and Definitions – Foreperson – ‘identified and recorded by the Organization’ replaces ‘named in the Organization’s Quality Plan’. ‘the’ deleted from before ‘corrosion protection works’.</p> <p>3. Terms and Definitions – Inspector – ‘identified and recorded by the Organization’ replaces ‘named in the Organization’s Quality Plan’. ‘the’ deleted from before ‘corrosion protection works’ and ‘contract specification’ and in the latter case replaced with ‘a’.</p> <p>3. Terms and Definitions – Manager – ‘for a contract’ and ‘for that contract’ added.</p> <p>3. Terms and Definitions – Operative – ‘the’ deleted from before ‘corrosion protection works’.</p> <p>3. Terms and Definitions – Quality Plan – ‘the project’ replaced by ‘a contract’.</p> <p>3. Terms and Definitions – Technical Manager – ‘for a contract’ and ‘for that contract’ added.</p> <p>Clause 4.1(ii) – 2nd sentence added requiring outsourced services to be listed with details of how they are controlled.</p> <p>Clause 4.2.1 – 2nd sentence added referring to Clause 7.1 regarding the content of the Quality Plan.</p>

Issue	Amendments
	<p>Clause 4.2.3 – ‘i) Design Information (see 7.3)’ added. Relates to the amendment of Clause 7.3.</p> <p>Clause 4.2.4 (i) – ‘m) Design Information (see 7.3)’ added. Relates to the amendment of Clause 7.3.</p> <p>Clause 6.1 – New requirement added requiring an Organization to demonstrate that it has the necessary financial resources to meet its contractual commitments.</p> <p>Clause 6.2.1 – Final para – ‘uncertified’ replaced by ‘under training’.</p> <p>Clause 6.2.2 (ii) – The requirement for the Manager, Technical Manager and Foreperson to have a minimum period of experience changed to guidance.</p> <p>Clause 6.2.2 (ii) – The recommendation that the Manager and Technical Manager attend the ICATS appreciation course added.</p> <p>Clause 6.2.2 (iv) – ‘ID’ changed to ‘identity’</p> <p>Clause 6.4 – Monitoring of the work environment added.</p> <p>Clause 7 – Title corrected</p> <p>Clause 7.1(i) – Paragraphs reorganised, reworded and a paragraph requiring the Quality Plan to describe the management strategy deleted. BS ISO 10005:2005 reference corrected</p> <p>Clause 7.1(i) – Sustainability Plan deleted from the list of plans which need to be considered as part of an integrated approach.</p> <p>Clause 7.2.2(ii) – ‘omissions’ added.</p> <p>Clause 7.3 (i) – New Paragraph (i) added to clarify that design and development addresses all associated processes required for the corrosion protection works. Old Paragraph (i) renumbered as (ii) and clarified that the requirement it describes refers to the industrial coating.</p> <p>Clause 7.5.1 (i) – ‘d) Material certificates of conformity.’ added.</p> <p>Appendix A – Clause 1 – Paragraph numbering corrected.</p> <p>Appendix A – Clause 2 – First paragraph deleted regarding names and contact details of staff. Remaining paragraphs renumbered 2.1 to 2.7.</p> <p>Appendix A – Clause 2.2 – ‘the Rail Authority’ added to the list.</p> <p>Appendix C – Title – Reference to Corrosion Protection Operatives, Forepersons and Inspectors deleted.</p> <p>Appendix C – 2nd Paragraph – ‘personnel’ replaces ‘Operatives, Forepersons and Inspectors’.</p> <p>Appendix C – 3rd Paragraph giving ICATS implementation requirements deleted. (See new paragraph D).</p> <p>Appendix C – Clause A - * Note describing ICATS implementation and the ‘*’s to which it refers deleted.</p> <p>Appendix C – Clause A – Thermal (Metal) Sprayer – ‘in collaboration with the Thermal Spraying and Surface Engineering Association (TSSEA)’ added.</p> <p>Appendix C – Clause A –Water Jetting Operator – ‘in collaboration with the Water Jetting Association (WJA)’ added.</p> <p>Appendix C – Clause B – Paragraph reworded to clarify requirement for Forepersons.</p> <p>Appendix C – New Clause D – Changed to refer to Managers, and Manager training requirements added. Subsequent Clauses re-designated.</p> <p>Appendix C – New Clause E – Changed to ‘Implementation of Training’ and ICATS implementation requirements added in Table C1. Subsequent Clauses re-designated.</p> <p>Appendix C – Clause D Health and Safety – Re-designated ‘F’. ‘Disclaimer’ added to title. An Organizations Health and Safety responsibilities clarified, 2nd paragraph deleted.</p> <p>Appendix C – Clause E – Re-designated ‘G’. 1st paragraph ‘persons’ replaces ‘Operatives’.</p> <p>Appendix C – Clause E – Re-designated ‘G’.</p> <p>Appendix C – New Clause G – 1st paragraph – ‘Operatives’ replaced by ‘personnel’</p> <p>Appendix C – Clause G - Highways – 2nd paragraph added ‘Health and Safety Qualifications’.</p> <p>Appendix C – Clause F - Re-designated ‘H’.</p> <p>Appendix C – New Clause H – New para d) added for railways.</p> <p>Appendix C – Clause G - Re-designated ‘I’.</p> <p>Appendix C – Clause H - Re-designated ‘J’.</p> <p>Appendix C – Clause J – ICATS reference added c) to h).</p>

Issue	Amendments
	<p>Appendix C – Clause J – d) ‘Applicator’ changed to ‘Applicator’s’.</p> <p>Appendix C – Clause J – g) ‘Inspector’s’ changed to ‘Inspector’.</p> <p>Appendix C – Clause J – h) ‘Logbook’ changed to ‘Log Book’.</p> <p>Appendix C1 – Revised and phone number corrected.</p> <p>Appendix E – Example Register – Final Column – ‘Calibration Certificate Ref’ replaces ‘ Name of Traceable Calibration Lab’</p> <p>Appendix F – Final paragraph deleted and note added to provide the names and contact details of those Certification Bodies that have indicated their interest to be accredited to the Sector Scheme.</p> <p>Appendix G – Clauses 1 & 2 – Reference to BS EN ISO9001:2000 corrected.</p> <p>Appendix G – Clauses 3.1 – Requirements for assessor competence simplified, subparagraphs (i) to (ix) deleted.</p> <p>Appendix G – Clause 3.2 – ‘where appropriate’ added after ‘live highway’.</p> <p>Appendix G – Clauses 3.5 – Subparagraph (ii) requiring assessor experience of five different Organizations deleted. Subparagraph (iii) re-designated (ii) and amended to delete reference to paragraph 3.1.</p> <p>Appendix G – Clauses 4.1 – ‘an adequate proportion’ replaces ‘at least a third’.</p> <p>Appendix G – Clauses 4.2 – ‘make every endeavour to’ added.</p> <p>Appendix G – Clauses 4.2 – The frequency of surveillance visits clarified.</p> <p>Appendix G – Clauses 6.3 – New clause regarding auditing to ensure Lantra awards have been notified of NHSS registration.</p> <p>Appendix H – Clauses 1.1 – ‘the National Assembly for Wales’ changed to ‘The Welsh Assembly Government’</p> <p>Appendix H – Clauses 1.1 – ‘Scottish Executive’ changed to ‘Transport Scotland’</p> <p>Appendix H – Clauses 1.1 – Spelling of Specification for Highway Works corrected.</p> <p>Appendix K – CoR list f) – ‘(ISO 9001-3yrs)*’ added and ‘*Note’ added to clarify validity period of certificates.</p> <p>Appendix K – Note added at end of Appendix regarding the layout and format of the model certificates.</p> <p>Appendix L – 6th Paragraph – procedures for confirmation of compliance clarified.</p> <p>Appendix M – Sector Scheme 5A included.</p> <p>Appendix M – Arrangements for Sector Scheme 6 and 8, 9B and 10 updated.</p> <p>Appendix M – Highway Electrical Academy Email address corrected.</p>
UKAS Issue 3	<p>Document Control – UKAS Issue 3 details added</p> <p>Throughout document - BS EN ISO 9001:2008 as (or 2008) added to reference to BS EN ISO 9001:12000</p> <p>Throughout document – ‘NHSS 8, 9B and 10’ changed to ‘NHSS 8’.</p> <p>Contents – ‘UKAS 2’ changed to ‘UKAS 3’</p> <p>Contents - Appendix C, title changed from ‘Training and Health and Safety’ to ‘Competences’.</p> <p>Contents – ‘Appendix G1 Guidance to Certification Body Assessors and Internal Auditors’ added.</p> <p>Contents – Page numbering amended</p> <p>Composition of Sector Scheme Advisory Committee – ASLEC definition changed to ‘The Association of Signals, Lighting and other Highway Electrical Contractors’.</p> <p>Composition of Sector Scheme Advisory Committee – Industrial Painting Contractors and TfL added to Committee list.</p> <p>Implementation of Issue UKAS 3 – Implementation requirements updated for UKAS Issues 1 & 2 and implementation requirements for UKAS Issue 3 added.</p> <p>Scope – New 2nd paragraph added, ‘The SSD does not apply to the application of powder organic coatings.’</p> <p>Scope – previous 6th paragraph, new 7th paragraph. Deleted final word ‘certification’ and replaced with ‘registration’.</p> <p>3. Terms and Definitions, Note - Added ‘supervising or’ before ‘applying’.</p> <p>4.2.3 g) – added ‘relevant’ before ‘health’</p>

Issue	Amendments
	<p>4.2.4 (ii) – added ‘as requested’ at end.</p> <p>5.5.1 – New paragraph (ii) added, ‘Top management shall ensure that those personnel with contract specific responsibilities and authorities are identified and recorded.’ Original paragraph numbered (i)</p> <p>5.6.3 – ‘No specific interpretation’ deleted. New paragraph added, ‘The output and actions from the management review shall be considered by Top Management at regular intervals throughout the year.’</p> <p>6.2.1 1st paragraph - Add ‘, development’ after ‘training’. Delete ‘qualified Operatives’ and replace with ‘competent personnel’.</p> <p>6.2.1 2nd paragraph - Deleted ‘Operatives’ and replaced with ‘personnel’.</p> <p>6.2.1 3rd paragraph - Moved to end of 6.2.1 and made a ‘Note’.</p> <p>6.2.2 (iv) & (v) - Changed ‘certificated’ to ‘qualified’ and ‘uncertificated’ to ‘unqualified’ throughout.</p> <p>6.3 – ‘No specific interpretation’ deleted. New paragraph added, ‘The Organizations infrastructure in terms of facilities and process equipment shall be suitable for the scope of registration being sought.’</p> <p>7.1 – New paragraph (ii) added, ‘The Quality Plan shall describe the management strategy that sets clear and sustainable performance objectives, delegates responsibility and establishes lines of communication.’ Other paragraphs renumbered as (iii), (iv) & (v).</p> <p>7.2.2 (i) – ‘in a timely manner’ added after ‘review’.</p> <p>7.2.2 (ii) – ‘at the earliest opportunity’ added at end</p> <p>Appendix C Title – Changed from ‘Training and Health and Safety’ to ‘Competences’.</p> <p>Appendix C, Paragraph A – Note added at end clarifying Operative status of those delivering ICATS training.</p> <p>Appendix C, Table C1 – Interim target dates removed, final target dates updated</p> <p>Appendix C – Note removed regarding publication of details for ICATS appreciation course.</p> <p>Appendix C, Paragraph G - Added ‘attending construction sites’ after ‘Inspectors’ in first paragraph after Title ‘Health and Safety Qualifications’. Deleted CSCS painter and decorator cards, corrected CRO card description for ‘Industrial Coatings Applicators’.</p> <p>Appendix C1 – Updated address for Correx Ltd.</p> <p>Appendix F- Amended CB list to list those CBs accredited by UKAS for this scheme. Added ISOQAR Ltd and NQA to the list.</p> <p>Appendix G – Updated to reflect latest NHSS 0 wording where relevant.</p> <p>Appendix G 2.1 – ‘EN450012/ISO Guide 62’ replaced by ‘BS EN ISO/IEC 17021:2006’</p> <p>Appendix G1 – Added completely new appendix.</p> <p>Appendix K 1st Paragraph - changed ‘scope of certification’ to ‘scope of registration’.</p> <p>Appendix K Figure 2 - Delete from Table after ‘Site’, ‘1 Old Road Old Town’ and replace with ‘Works’</p> <p>Appendix K Figure 3 – Add ‘Works’ after ‘2. Site’</p> <p>Appendix K Figure 4 - Add ‘Works’ after ‘2. [Site]’. Delete from first column of Table after ‘Site’, ‘1 Old Road Oldham’ and replace with ‘Works’. Column 3, Add ‘Works’ after ‘Site’</p> <p>Appendix L – Deleted 5th Paragraph regarding client considerations during implementation phase of this Sector Scheme.</p> <p>Appendix M General Guidance Table - updated title for NHSS 8</p> <p>Appendix M National Highway Sector Scheme Arrangements - Updated arrangements described for NHSS 6 and NHSS 8.</p>
UKAS Issue 4	<p>Some minor formatting errors corrected throughout and page numbers in contents list corrected not noted below.</p> <p>Reference to BS EN ISO 9001:2000 changed to BS EN ISO 9001:2008 throughout the document.</p> <p>‘Foreperson’ changed to ‘Supervisor’ and ‘Forepersons’ changed to ‘Supervisors’ throughout the document.</p> <p>Document Control – UKAS Issue 4 details added</p> <p>Contents – ‘UKAS 3’ changed to ‘UKAS 4’</p> <p>Contents – Appendix J3 and O added</p> <p>Contents – Appendix J1 & J2 titles updated</p>

Issue	Amendments
	<p>Composition of Sector Scheme Advisory Committee – Lists changed to reflect change of lead certification body from BSI to LRQA.</p> <p>Implementation of Issue UKAS 3– Changed to UKAS 4 and implementation details changed accordingly.</p> <p>Implementation of Issue – Note: – reference to ‘suppliers working to the Highways Agency’ replaced by ‘suppliers working to the unmodified listing of the Sector Scheme in Appendix A of the Specification for Highway Works’</p> <p>Introduction – 6th paragraph deleted ‘The Sector Scheme shall apply only where specified by the Client in their Contract for the corrosion protection works.’</p> <p>Normative references – Standard date and title for BS EN ISO 9004 updated.</p> <p>3. – Definition of “shall” – ‘2000’ removed from references to ISO 9001 and ISO 9004</p> <p>3. – Definition of Supervisor (was Foreperson) inserted in appropriate place</p> <p>4.1 – New paragraph (ii) added referring to Appendix O. Previous paragraph (ii) renumbered paragraph (iii).</p> <p>6.2.1 – individual paragraphs numbered (i) to (iv).</p> <p>6.2.1 New Paragraph (iv) – ‘unqualified or’ added before ‘under training’ and also after ‘1’.</p> <p>6.2.2 (i) – Inspectors 2nd Paragraph – ‘A sample register is given in Appendix D’ added at end.</p> <p>6.2.2.(i) – ‘Technical Manager’ added with requirements.</p> <p>6.2.2 (ii) – Manager – The recommendation that the Manager attend the ICATS appreciation course deleted.</p> <p>6.2.2 (ii) – Technical Manager – ‘appreciation course’ changed to ‘Trainers Day’ and the recommendation to attend changed to mandatory attendance at least once every three years.</p> <p>7.2.3 – Standard clause added from NHSS 0 Part 3 regarding process to notify registration status.</p> <p>Appendix C Introduction 2nd paragraph 4th line ‘for Operatives’ deleted.</p> <p>Appendix C Paragraph A 7th line – ‘operations’ added after ‘specialist’</p> <p>Appendix C Paragraph A Table – Heading ‘SPECIALIST OPERATIONS’ added to table.</p> <p>Appendix C Paragraph B – Forepersons (Now Supervisors) – The requirement that Supervisors successfully complete the ICATS Supervisors training course added..</p> <p>Appendix C Paragraph D – Managers – The recommendation that Managers and Technical Managers attend the ICATS appreciation course deleted.</p> <p>Appendix C Paragraph D – Managers – Title changed to ‘Technical Managers’. Technical Manager training requirements added. (To successfully complete the ICATS Supervisors training course and attend the ICATS Trainers day at least once every three years.)</p> <p>Appendix C Paragraph E – Table C1 changed to show ‘Core’ and ‘Specialist Operations’ ICATS modules and note added ‘Where any of the above specialist operations are undertaken, the specialist operations modules become a mandatory requirement.’ Note added giving requirements for ICATS Supervisors Course including Final Target Date of 31st December 2011.</p> <p>Appendix C1 – Heading ‘Specialist Modules’ changed to ‘Specialist Operations Modules’ and ‘specialist activity’ changed to ‘specialist operations’ twice in paragraph 2.</p> <p>Appendix C1 – Specialist Operations Modules 3. (a) and 3. (b) – ‘Specialist Trainees’ changed to ‘Specialist Operations Trainees’.</p> <p>Appendix C1 – Specialist Operations Modules 4. – ‘Specialist Operative’ changed to ‘Specialist Operations Operative’</p> <p>Appendix C1 – ICATS Supervisors course details added including flow diagram.</p> <p>Appendix C1 – ‘Correx Ltd also maintain a list of approved training providers’ added to Correx Ltd details.</p> <p>Appendix D – ‘Operatives’ removed from Title and replaced by ‘Personnel’.</p> <p>Appendix D – ‘Operatives’ removed from ‘Name of Operatives’ Company’.</p> <p>Appendix F – Procedure to access CB information on the UKAS web site updated.</p> <p>Appendix G – updated to reflect Appendix G from NHSS 0 Part 3.</p> <p>Appendix G1 Requirements, A ix) – Reference to SHW clarified and made specific to highway work.</p> <p>Appendix G1 – B – Requirement added relating to clause 7.2.3.</p>

Issue	Amendments
	<p>Appendix H 1.3 – Reference to new Appendix O added.</p> <p>Appendix J1 & J2 – Updated to reflect updates to the standard Appendices J1 & J2 included in NHSS 0 Part 3.</p> <p>Appendix J3 – New Appendix J3 added from NHSS 0 Part 3.</p> <p>Appendix K – Categories and sub-categories to be included on CORs clarified in a new Table K1 with c) amended to include reference to the table.</p> <p>Appendix K – Heading ‘Example Model Certificates’ added.</p> <p>Appendix K – Figure 3 and Figure 4 updated for Scope of Registration.</p> <p>Appendix L – 2nd last paragraph, ‘of identification cards’ replaced by ‘to confirm the identity of personnel’.</p> <p>Appendix M – Sector Scheme titles updated.</p> <p>Appendix M – Highway Electrical Academy contact details updated.</p> <p>Appendix O – New Appendix O added with reference to Scheme 0 Part 3 document.</p>
UKAS Issue 5	<p>Document Control – UKAS Issue 5 details added</p> <p>Contents – ‘UKAS 4’ changed to ‘UKAS 5’</p> <p>Composition of Sector Scheme Advisory Committee – Lists updated.</p> <p>Implementation of Issue UKAS 4– Changed to UKAS 5 and implementation details changed accordingly and to reflect NHSS 0 text.</p> <p>Introduction – Final Paragraph – Details relating to notification of registration to the scheme to the Schedule of Suppliers Management Team and the Scheme Secretary amended to reflect NHSS 0.</p> <p>Quality Management System Requirements – Introductory paragraph amended to reflect NHSS 0.</p> <p>4.1 – Amended to reflect NHSS 0 and strengthened requirement for Scheme Secretary notification in 4.1(ii).</p> <p>7.2.3 – Requirement for notification of registration updated to reflect 4.1 (ii).</p> <p>Appendix C – Table C1 - Target date for Supervisors and Technical Managers to be trained changed to 31st December 2012</p> <p>Appendix G – 6.3 – Wording updated to reflect wording in 4.1 (ii) and 7.2.3. .</p> <p>Appendix G1 – B – Audit requirements relating to clause 4.1 and 7.2.3 update .</p> <p>Appendix H 1.3 – Reference to the ‘Schedule of Suppliers Management Team’ added (twice) and wording updated to reflect revised wording in 4.1(ii) and 7.2.3</p> <p>Appendix L – Final paragraph – ‘Schedule of Suppliers management Team’ added and email address updated (as NHSS 0)</p> <p>Appendix M – National Highway Sector Scheme Specific Arrangement – 1 – amended to reflect bespoke training and assessment for corrosion protection works being available rather than being developed for NHSS 6 & 8.</p>

CONTENTS

	Page No.
COVER SHEET	1
DOCUMENT CONTROL	2
CONTENTS	8
COMPOSITION OF THE SECTOR SCHEME ADVISORY COMMITTEE	10
EXCLUSION OF LIABILITY	11
COPYRIGHT	11
SELECTION OF CERTIFICATION BODY	11
IMPLEMENTATION OF ISSUE UKAS 5	11
INTRODUCTION	12
INTERPRETATION OF BS EN ISO 9001:2008	14
1. SCOPE	14
2. NORMATIVE REFERENCE	14
3. TERMS AND DEFINITIONS	15
4 - 8. QUALITY MANAGEMENT SYSTEM REQUIREMENTS	17
APPENDIX A: REQUIREMENTS FOR QUALITY PLANS	27
APPENDIX B: REFERENCE AND ASSOCIATED DOCUMENTS (Not Used)	28
APPENDIX C: COMPETENCES	29
APPENDIX C1: SCHEMATIC OF ICATS PROCESS	33
APPENDIX D: EXAMPLE REGISTER OF CORROSION PROTECTION OPERATIVES	36
APPENDIX E: MONITORING AND MEASURING DEVICES	37
APPENDIX F: CERTIFICATION BODIES ACCREDITED FOR CORROSION PROTECTION WORKS	38
APPENDIX G: THE ROLE OF THE CERTIFICATION BODIES AND ASSESSOR COMPETENCE	39

APPENDIX G1	GUIDANCE TO CERTIFICATION BODY ASSESSORS AND INTERNAL AUDITORS	42
APPENDIX H:	ORGANIZATION ACCEPTANCE AND GUIDELINES FOR NEW ENTRANTS	48
APPENDIX J1:	SCHEME FEEDBACK TO COMMITTEE CHAIRMAN	49
APPENDIX J2:	FEEDBACK TO A CERTIFICATION BODY	50
APPENDIX J3	FEEDBACK TO A CLIENT BODY ON POLICING OF NATIONAL HIGHWAY SECTOR SCHEME REGISTRATION	51
APPENDIX K	THE INTERPRETATION OF CERTIFICATES ISSUED BY CERTIFICATION BODIES	52
APPENDIX L	GUIDANCE TO CLIENTS	58
APPENDIX M	GUIDANCE FOR OTHER NHSS COMMITTEES AND ORGANIZATIONS REGISTERED TO ANOTHER NHSS, FOR WORK WHICH INCLUDES CORROSION PROTECTION OF FERROUS MATERIALS BY INDUSTRIAL COATINGS	59
APPENDIX N	NOT USED	61
APPENDIX O	APPLICATION FORM TO REGISTER ON THE SCHEDULE OF SUPPLIERS	62

COMPOSITION OF SECTOR SCHEME ADVISORY COMMITTEE

ARTSM – Association of Road Traffic Safety and Management
ASLEC – The Association of Signals, Lighting and other Highway Electrical Contractors
BCF – British Coatings Federation
BCSA – British Constructional Steelwork Association
Forth Estuary Transport Authority
Galvanisers Association
Highway Electrical Academy
HEMSA – Highway Electrical Manufacturers and Suppliers Association
HTMA – Highway Term Maintenance Association
HA – Highways Agency
ICorr – The Institute of Corrosion
ILE – The Institution of Lighting Engineers
Industrial Painting Contractors
LCTF – Lighting Column Technical Forum
LRQA – Lloyds Register Quality Assurance – (Lead Certification Body)
National Highway Sector Scheme 6
National Highway Sector Scheme 8
Network Rail
Overseeing Organisations (N. Ireland (DRD(NI)), Scotland (Transport Scotland) and Wales (Welsh Government))
TfL – Transport for London

The following were also invited to be members of the Sector Scheme Advisory Committee:

ACE – Association of Consulting Engineers
ADEPT – Association of Directors of Environment, Economy, Planning and Transport
BOF - Bridge Owners Forum
CECA – Civil Engineering Contractors Association
Corrosion Science Symposium
DfT - Department for Transport
EA - Environment Agency
European Federation of Corrosion
FCA – Fencing Contractors Association
HSE - Health and Safety Executive
ICE – The Institution of Civil Engineers
IStructE – The Institution of Structural Engineers
LGA – Local Government Association
LUL - London Underground Limited
Steel Construction Institute
TAG – Technical Advisory Group
Thermal Sprayers Association
Water Jetting Association

EXCLUSION OF LIABILITY

The Sector Scheme Advisory Committee for Corrosion Protection of Transportation Infrastructure Assets (SSACCP)

- 1 have and accept no liability whatsoever for any failure of any system or systems assessed under this Sector Scheme Document or for the quality, fitness for purpose, or safety of any product or service which is the subject of such assessment,
- 2 do not provide any representation or warranty as to any aspect of any such system, product or service, and
- 3 hereby expressly exclude all and any liability or responsibility (however alleged to arise) for or in connection with the provision of any service or product or any use of any product, all and any such liability or responsibility attaching exclusively to the producer (or user as the case may be) thereof.

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SELECTION OF CERTIFICATION BODY

It is important to note that due to the specific requirements for assessor competence required by this Sector Scheme a technical expert may be appointed by the SSACCP to assist United Kingdom Accreditation Service (UKAS) in the assessment of Certification Bodies as described in Appendix G.

Prospective companies seeking registration under this Sector Scheme shall ensure that they engage a Certification Body specifically accredited to assess against the requirements of this Sector Scheme Document (SSD). Advice for Organizations acceptance is contained in Appendix H.

IMPLEMENTATION OF ISSUE UKAS 5

This National Highway Sector Scheme (NHSS) introduces requirements for an integrated management scheme for contracting organizations providing services relating to the corrosion protection of ferrous materials by industrial coatings.

The SSACCP had agreed that an introductory period for the scheme (Document Issues UKAS 1 & UKAS 2) was applicable to allow Certification Bodies and Organizations time to adopt the scheme, adapt to its requirements and become accredited for/registered to it. The introductory period ended on 31st January 2008. Following expiry of the introductory period and where required in a contract, Organizations were required to be registered to this scheme by a relevant UKAS* accredited Certification Body.

This issue (UKAS 5) of the SSD is to be implemented immediately from the date of publication on the UKAS website for assessments in accordance with BS EN ISO 9001 latest issue.

Assessments against a previous issue of the SSD will continue to be valid until the following assessment carried out by the accredited Certification Body.

Note 1: Following publication of this issue of the SSD the Organization should implement the changes in time for their surveillance visit or assessment visit by the Certification Body.

Note 2: The Certification Body should assess the Organization against the latest issue of the SSD within 14 months of its publication.

Note 3: Where the surveillance/assessment visit of an Organization occurs within two months of the publication of a revision to the SSD, such assessment may be undertaken against the previous issue of the SSD subject to compliance with Note 2 above.

Note 4: The Sector Scheme was listed in Appendix A of the Specification for Highway Works (May 2006) and became a mandatory requirement for suppliers working to the unmodified listing of the Sector Scheme in Appendix A of the Specification for Highway Works after the publication of the first issue of this document by UKAS on 1st October 2006.

*Accreditation from equivalent accreditation bodies may also be recognised (In respect of works carried out for the Highways Agency reference should be made to Clause 104 and Appendix A of the Specification for Highway Works). Equivalent accreditation bodies are accreditation bodies appointed by a member state of the European Union and which are members of a multi lateral agreement with UKAS.

INTRODUCTION

This Sector Scheme Document (SSD) relates to the quality management system requirements for corrosion protection of ferrous materials in transportation infrastructure assets using industrial coatings for new works and maintenance works. It sets out to identify a common interpretation of BS EN ISO 9001:2008 for Organizations and Certification Bodies engaged in the sector.

This Sector Scheme is one of the series of NHSSs, which are bespoke integrated management schemes within an ISO 9001:2008 framework that have been developed to interpret BS EN ISO 9001:2008 as it applies to a particular activity/industry within the United Kingdom.

Separate technical advisory committees for each activity within the sector provide advice to UKAS and expert representation is drawn from all sides of industry. Each NHSS technical advisory committee interprets BS EN ISO 9001:2008 in relation to the requirements of their particular activity and comes to a consensus on the minimum levels of workmanship, services, products, testing, and the training and competency of operatives needed to meet specification requirements as well as auditor qualification and requirements in respect of Environmental Management Systems (EMS) and other management systems. The details are contained in the individual SSDs.

The individual NHSS technical advisory committees are overseen by the Highways Sector Scheme Liaison Group. This group provides a forum for discussion on the effectiveness of the Sector Schemes and co-ordinates developments so that they can be uniformly taken forward by each of the NHSS technical advisory committees. It is also the venue where dialogue with UKAS and the Certification Bodies on the application of the Sector Schemes takes place.

NHSSs together with BS EN ISO 9001:2008 are designed to:

- Provide an industry benchmark
- Ensure that all processes are planned
- Provide a basis for continuous improvement
- Focus on quality as an objective
- Reduce costs for Client and contractor
- Provide and maintain a properly trained and competent workforce

- Involve all sides of industry in scheme ownership within a partnership framework
- Provide the basis for the technical knowledge and experience that Certification Body auditors will use in the sector concerned
- Promote confidence in quality management systems through provision of a robust transparent system

In using this Sector Scheme users shall use best practice in specifying any other relevant NHSSs as appropriate to the nature of the work being undertaken.

It shall be noted that NHSSs are mandatory for Highways Agency contracts and suppliers shall demonstrate compliance with the requirements of BS EN ISO 9001:2008 and this SSD as part of their continuous improvement within their BS EN ISO 9001:2008 registration. It is anticipated that other highway authorities that use the Specification for Highway Works as the basic document for procuring highway works will also require compliance with BS EN ISO 9001:2008 and this SSD. Other owners of transportation infrastructure may also require their suppliers to comply with this Sector Scheme, for example Network Rail and London Underground.

The SSD is a live document with the SSACCP meeting at least once a year to develop it as appropriate. Those using the document should always ensure that they have the current version of the document by contacting any of the Certification Bodies in Appendix F, or UKAS at the address below or by visiting the UKAS website (www.ukas.com) from where the document can be freely downloaded.

The Secretary of the SSACCP maintains a list of registered Organizations. The Secretary can be contacted at the address below. Organizations are required to notify and provide evidence of their Certificate of Registration to the Secretary of the SSACCP (See Clause 4.1 & 7.2.3) following their initial registration and on an annual basis, which is monitored during the Certification Body assessment.

Lantra Awards maintains a list of registered Organizations for the NHSS Liaison Committee; details can be accessed from www.scheduleofsuppliers.com. Organizations are required to notify and provide evidence of their Certificate of Registration to the Schedule of Suppliers Management Team (See Clause 4.1&7.2.3) following their initial registration and on an annual basis, which is monitored during the Certification Body assessment. An application form is provided at Appendix O of this document which should be submitted to the Schedule of Suppliers Management Team together with the annual registration fee following confirmation of registration to this NHSS.

Note: The cost of managing the www.scheduleofsuppliers.com website is defrayed by a small annual charge. The Lantra Awards Schedule of Suppliers Management Team may be contacted by email at scheduleofsuppliers@lantra-awards.co.uk to ascertain/check the status of an Organization/company if it is not listed on the web-site.

The Secretary
Sector Scheme Advisory Committee for Corrosion Protection of Transportation Infrastructure Assets
c/o UKAS
21 – 43 High Street
Feltham
Middlesex, TW13 4UN

Tel 0208 917 8400
Fax 0208 917 8500

Any feedback relating to this SSD should be provided in accordance with the procedures detailed in Appendices J1 and J2.

INTERPRETATION OF BS EN ISO 9001:2008

1. SCOPE

This SSD describes the quality management system requirements to be established by Organizations providing corrosion protection to ferrous materials in transportation infrastructure assets using industrial coatings.

The SSD does not apply to the application of powder organic coatings.

The SSD does not apply to providing corrosion protection to ferrous materials by hot dip galvanising or similar metal coatings (eg. electroplating and sheradizing) but does apply to the application of industrial coatings to such substrates.

The SSD is applicable to the provision of corrosion protection to new assets and to the maintenance of corrosion protection to existing assets. It is applicable to corrosion protection works undertaken in the workshop and on site, and embraces the associated health and safety and environmental controls.

This SSD interprets the requirements of British Standard BS EN ISO 9001:2008 and shall be read in conjunction with that Standard.

Works shall include all the associated processes required for corrosion protection including but not limited to planning the works, access for the works, protection of the works and environment, preparation of surfaces for receiving corrosion protection materials, the storage, mixing and application of corrosion protection materials, and inspection at all stages of the work.

Organizations may achieve registration to this Sector Scheme for specific services that they are competent to supply (e.g. surface preparation by water jetting on site works) within the overall process of providing corrosion protection to ferrous materials in transportation infrastructure assets using industrial coatings. The Certificate of Registration (see Appendix K) shall record the full scope of registration.

Organizations registered to another NHSS undertaking works that includes works covered by the scope of this Sector Scheme should refer to Appendix M for guidance on compliance with this Sector Scheme.

2. NORMATIVE REFERENCE

The normative reference documents are

- BS EN ISO 9001:2008 Quality Management Systems – Requirements
- BS EN ISO 9000:2005 Quality Management Systems – Fundamentals and Vocabulary
- BS EN ISO 9004:2009 Managing for the sustained success of an organisation – A quality management approach.
- BS ISO 10005:2005 Quality Management Systems – Guidelines for quality plans.

3. TERMS AND DEFINITIONS

For the purpose of this SSD the following definitions shall apply.

Certificate of Registration:	A certificate issued by a UKAS accredited Certification Body certifying that the holder operates a Quality Management System complying with BS EN ISO 9001:2008 and this SSD. (See Appendix K)
Client:	The owner or manager of the transportation infrastructure asset to which corrosion protection is to be provided.
Contract Specification:	The specification for corrosion protection included in the contract.
Customer:	The body engaging the Organization for the purpose of the work described in this SSD.
Industrial Coating:	A single protective coat or a series of protective coats, which may include pre-treatments, thermally sprayed metal coats, paints and aesthetic finish coats, applied to provide corrosion protection to a substrate.
Inspector:*	The competent person identified and recorded by the Organization as being responsible for the inspection of corrosion protection works for compliance with the requirements of a Contract Specification. (See 6.2.2)
Manager:*	The competent person named in the Organization's Quality Plan for a contract as being responsible for the overall management of the implementation of the corrosion protection works for that contract.
Operative:*	A competent person who works under the control of a Supervisor and is directly involved with the implementation of corrosion protection works. This may include a person who is working towards becoming competent in the implementation of corrosion protection works. (See 6.2.2)
Organization:	The legal entity providing the corrosion protection work and any other related contractual obligations and who will be assessed against this SSD by the Certification Body.
Quality Management System:	The Organization's structure, responsibilities, procedures, processes and resources for implementing quality management.
Quality Manual:	The document that specifies the quality management system and the documentation to be used.
Quality Plan:	The document setting out the specific quality practices, resources and sequence of activities relevant to a contract

(See Appendix A).

Quality Policy:	The overall quality intentions and direction of an Organization as regards quality as formally expressed by top management.
“shall”:	“used to indicate a requirement strictly to be followed in order to conform to the standard and from which no deviation is permitted. (See ISO/IEC Directives Part 3:1997, Annex E)” (reference “guidance on terminology used in ISO 9001 and ISO 9004”).
SSACCP:	Sector Scheme Advisory Committee for Corrosion Protection of Transportation Infrastructure Assets.
Sub-contractor:	An organization or individual providing a service(s) or material(s) to the Organization.
Substrate:	The ferrous base, the metal coating such as galvanising applied over a ferrous base or existing sound industrial coatings over a ferrous base, to which the industrial coating is to be applied to provide the corrosion protection.
Supervisor:*	The competent person identified and recorded by the Organization as being responsible for the supervision of the implementation of corrosion protection works. (See 6.2.2)
Technical Manager:*	The competent person named in the Organization’s Quality Plan for a contract as being responsible for ensuring that the technical requirements of the Contract Specification for that contract are met. (See 6.2.2)
Transportation Infrastructure Assets:	As defined in the Contract Specification. May include but not limited to bridges, parapets, gantries, masts, columns, signal posts, electrification masts, station structures, level crossing equipment, buildings and toll booths.
* Note	The roles may be combined. The role of Inspector may not be undertaken by a person who is directly involved in supervising or applying the corrosion protection.

QUALITY MANAGEMENT SYSTEM REQUIREMENTS

Paragraph numbers in Sections 4 to 8 below refer to the relevant paragraph numbers in **BS EN ISO 9001**. Where the term “No specific interpretation” is used in this SSD the requirements are as stated in BS EN ISO 9001 without further qualification.

The interpretations given below are to assist in the clarification of the BS EN ISO 9001 text for the relevant activity, no inference should be made that BS EN ISO 9001 requirements are diluted or deleted because of this interpretation.

4 Quality Management System

4.1 General Requirements

- (i) The Organization shall operate a quality management system to BS EN ISO 9001:2008 and this schedule.
- (ii) The Organization shall notify and provide evidence of their Certificate of Registration to this scheme to the Schedule of Suppliers Management Team via Lantra Awards (Lantra House, Stoneleigh Park, Kenilworth, Nr Coventry, CV8 2LG) **and** to the Scheme Secretary via UKAS (see Introduction for contact address) within 14 days following confirmation from the Certification Body of registration to the scheme and thereafter annually in April. (See 7.2.3) In addition the Organization shall provide details of a focal point for the Organization including their title/position
- (iii) An application form is given in Appendix O of this document; this may be copied for submission to the Schedule of Suppliers Management Team at Lantra House.
- (iv) Where services are outsourced and not controlled under the Organization’s procedures, the supplier of the services shall have relevant NHSS registration. The Organization shall maintain a collated list of all outsourced services, which shall included details of how those outsourced services are controlled.

4.2 Documentation Requirements

4.2.1 General

Documents needed by the Organization shall include the contract specific Quality Plan. See 7.1 regarding content of the Quality Plan.

4.2.2 Quality Manual

See paragraph 7.3 regarding design and development.

4.2.3 Control of Documents

As part of the Organization’s procedures for document control, the following contract specific documents are typically required to be controlled:

- a) Correspondence.
- b) Delivery notes and certification where required.
- c) Training records/certificates.
- d) Contract documentation and Client order.
- e) Instructions to Operatives, Supervisors and Inspectors.

- f) Relevant standards and specifications, including this document.
- g) Method statements for controlling the works to include relevant health and safety, and environmental requirements.
- h) Drawings.
- i) Design information. (See 7.3)

4.2.4 Control of Records

- (i) In addition to the Organization's own quality records, the following contract specific records shall typically be kept:
 - a) Contract Specification and any variations.
 - b) Supply chain records.
 - c) Instructions to Operatives, Supervisors and Inspectors.
 - d) Complaints and feedback.
 - e) Experience and training record of all personnel.
 - f) 'As built' records identifying any agreed changes arising during implementation.
 - g) Records of materials used.
 - h) Details of any accidents or incidents (known to the Organization) in or adjacent to the corrosion protection works, including near misses.
 - i) Maintenance and calibration records of the equipment used.
 - j) Product data sheets and health and safety data sheets.
 - k) Contract records e.g. temperature, relative humidity, wet and dry film thickness, sampling and testing.
 - l) Records to enable Operative traceability, i.e. who did what.
 - m) Design information. (See 7.3)

- (ii) Records shall be kept for a minimum of six years unless otherwise required to be retained for a longer period in the contract. Records shall be made available to the Client and/or Customer as requested.

5 Management Responsibility

5.1 Management Commitment

No specific interpretation.

5.2 Customer Focus

Processes for determining Customer requirements shall consider the interests of the Client and stakeholders to enhance Customer satisfaction, e.g. the general public and travelling public.

5.3 Quality Policy

No specific interpretation.

5.4 Planning

5.4.1 Quality Objectives

The quality objectives shall include a commitment to meet Customer and Client requirements

with respect to corrosion protection of ferrous materials by industrial coatings.

5.4.2 Quality Management System Planning

No specific interpretation.

5.5 Responsibility, Authority and Communication

5.5.1 Responsibility and Authority

- (i) Top management shall ensure that responsibilities and authorities are consistent with the definitions in Section 3 of this SSD.
- (ii) Top management shall ensure that those personnel with contract specific responsibilities and authorities are identified and recorded.

5.5.2 Management Representative

No specific interpretation.

5.5.3 Internal Communication

No specific interpretation.

5.6 Management Review

5.6.1 General

The Organization shall review the Quality Management System at least once every twelve months to ensure its continuing suitability and effectiveness to conform to this Sector Scheme.

5.6.2 Review Input

No specific interpretation.

5.6.3 Review Output

The output and actions from the management review shall be considered by Top Management at regular intervals throughout the year.

6 Resource Management

6.1 Provision of Resources

The Organization shall be able to demonstrate that it has the necessary financial resources to meet its contractual commitments.

6.2 Human Resources

6.2.1 General

- (i) The Organization shall establish, maintain and implement procedures for the training,

development and use of competent personnel in accordance with this SSD.

- (ii) The education, training, skills and experience of personnel required by this Sector Scheme is aimed primarily at technical competence of those personnel involved with the implementation of corrosion protection works and with the inspection of those works.
- (iii) The Technical Manager, Supervisors and Inspectors shall have a working knowledge of the relevant parts of the Contract Specification that are applicable to the work being undertaken.
- (iv) Not more than 20% of an Organization's workforce of Corrosion Protection Operatives employed on corrosion protection works shall be unqualified or under training, subject to a practical minimum of 1 unqualified or trainee Corrosion Protection Operative within a small workforce of 5 Corrosion Protection Operatives or less.

Note: Although this Sector Scheme provides awareness of the need to carry out work in a safe manner it remains the sole responsibility of the Organization to determine and implement safe systems of work.

6.2.2 Competence, Awareness and Training

(i) Certification Record Cards

Supervisors and Operatives

The required competency for Corrosion Protection Supervisors and Operatives is defined by successful completion of an approved training course as given in Appendix C.

The appropriate records to be maintained shall include a 'Certification Record Card' issued to and carried by the individual successfully completing an approved training course together with an entry in a register held by the Organization.

The Card defines the types of corrosion protection work that the holder has been trained and assessed to undertake and the degree of responsibility that the holder can normally accept. It shall not be valid for any type of corrosion protection works that is not defined. The issue of a new or renewed Certification Record Card, as the case may be, shall be recorded by the Organization. A sample register is given in Appendix D.

Inspectors

The required competency for Corrosion Protection Inspectors is defined by successful completion of an approved training course as given in Appendix C.

The appropriate records to be maintained shall include a 'Certificate of Completion' issued to the individual successfully completing an approved training course together with an entry in a register held by the Organization. A sample register is given in Appendix D.

The Certificate defines the levels of corrosion protection inspection that the holder has been trained and assessed to undertake.

Technical Managers

The required competency for Technical Managers is defined by successful completion of an

approved training course as given in Appendix C.

The appropriate records to be maintained shall include a 'Certificate of Completion' issued to the individual successfully completing an approved training course together with an entry in a register held by the Organization. A sample register is given in Appendix D.

(ii) Experience Required

Manager

The Manager shall have sufficient initial and continuing professional development to show competence. This does not have a minimum time period, as it is an outcome that is measured. It would be unusual however for anyone with less than three years experience of involvement in managing the implementation of corrosion protection works using industrial coatings to have attained the breadth and depth of experience required.

Technical Manager

The Technical Manager shall have sufficient initial and continuing professional development to show competence. This does not have a minimum time period, as it is an outcome that is measured. It would be unusual however for anyone with less than five years experience of the technical implementation of corrosion protection works using industrial coatings to have attained the breadth and depth of experience required.

The Technical Manager shall attend the ICATS Trainers Day (or equivalent) at least once every three years.

Supervisor

Corrosion Protection Supervisors shall have sufficient initial and continuing professional development to show competence. This does not have a minimum time period, as it is an outcome that is measured. It would be unusual however for anyone with less than two years experience of corrosion protection works using industrial coatings to have attained the breadth and depth of experience required. The maximum number of people that the Supervisor shall control at any one time shall be defined in the Quality Plan.

Inspectors

Corrosion Protection Inspectors shall have sufficient initial and continuing professional development to show competence. This does not have a minimum time period, as it is an outcome that is measured. It would be unusual however for anyone with less than three years experience of corrosion protection works using industrial coatings to have attained the breadth and depth of experience required.

- (iii) The Organization shall create, maintain and issue to each Inspector, Supervisor and Operative he employs a Record of Corrosion Protection Experience. The record shall include details of the practical experience obtained and shall be updated at least twice a year.
- (iv) Qualified Corrosion Protection Inspectors, Supervisors and Operatives shall carry an identity card, which shall include a relevant recent photograph of the holder. This identity card shall contain sufficient information to provide linkage to the holder's Certification including the name

of the Organization they represent.

- (v) Unqualified Corrosion Protection Operatives shall enter relevant training within 3 months of starting works covered by this Sector Scheme and shall at all times be directly supervised by a designated qualified Corrosion Protection Operative on a one to one basis. This supervised experience shall include practical experience of the aspect of the work for which they are training or intend to train and shall be recorded as part of the training records of the Operative. The supervising qualified Corrosion Protection Operative shall be certificated for the type of work being undertaken and shall be responsible for the supervision of no more than one designated unqualified Corrosion Protection Operative at any one time.

6.3 Infrastructure

The Organizations infrastructure in terms of facilities and process equipment shall be suitable for the scope of registration being sought.

6.4 Work Environment

The Organization shall ensure that all necessary access, plant, services and equipment are available and maintained, and that the work environment is monitored to enable the corrosion protection works to be carried out effectively.

7 Product Realization

7.1 Planning of Product Realization

- (i) The Organization shall submit a Quality Plan or alternative document as defined in the Contract Specification for acceptance or approval by the Client, as appropriate, prior to commencement of work. The topics for the content of a Quality Plan are in BS ISO 10005:2005 and this document (See Appendix A). The Quality Plan shall as a minimum address the topics listed in Appendix A.
- (ii) The Quality Plan shall describe the management strategy that sets clear and sustainable performance objectives, delegates responsibility and establishes lines of communication.
- (iii) The Quality Plan shall not be considered in isolation. An integrated approach shall be taken which links the Quality Plan, Environmental Plan (including protected sites) and the Health and Safety Plan (including risk and hazard assessments) together. Management of the service as a whole is reliant on quality and hence the contract and the quality element cannot be separated, as one cannot function without the other.
- (iv) The Organization shall, in order to reduce the need for waste disposal, consider ways of minimising the generation and environmental impacts of wastes arising during the corrosion protection works and maximising opportunities for the re-use and recovery of wastes. The Organization shall document its arrangements for the identification, segregation, handling, storage and disposal of the different types of wastes arising from the corrosion protection works.
- (v) The Quality plan may be a largely standard document as indicated in Appendix A supplemented by contract specific information.

7.2 Customer Related Processes

7.2.1 Determination of Requirements Related to the Product

No specific interpretation

7.2.2 Review of Requirements Relating to the Product

- (i) The Organization shall review in a timely manner the order for the works to verify that product requirements are defined and that they are able to meet the technical requirements included in the Customer and Client's Contract Specification.
- (ii) Where omissions, irregularities or inconsistencies with the Contract Specification, health and safety requirements, environmental or other issues are encountered these shall be brought to the attention of the Customer and Client for resolution at the earliest opportunity.
- (iii) Matters of a significant nature, which arise during the determination and review of requirements shall be referred to the Customer and Client for clarification.

7.2.3 Customer Communication

The Organization shall have a process in place to notify the Schedule of Suppliers Management Team at Lantra Awards and the Scheme Secretary via UKAS of its registration status in respect of this NHSS, within 14 days following confirmation from the Certification Body of registration to the scheme and thereafter annually in April.

7.3 Design and Development

- (i) Design and development may address all associated processes required for the corrosion protection works including but not limited to access for the works and protection of the works and environment.
- (ii) Design and development of the industrial coating is excluded when there is a full industrial coating specification supplied by the Client or Customer.

7.4 Purchasing

7.4.1 Purchasing Process

The Organization shall maintain records to demonstrate that all materials, suppliers and sub-contractors conform to the Contract Specification.

7.4.2 Purchasing Information

No specific interpretation.

7.4.3 Verification of Purchased Product

The Organization shall establish, maintain and implement procedures to inform the Client and/or Customer of the proposed and actual source of supply of all corrosion protection materials.

7.5 Production and Service Provision

7.5.1 Control of Production and Service Provision

- (i) The Organization shall obtain and make available to those undertaking and inspecting the corrosion protection works the following:
 - a) Specification for the system to be applied;
 - b) Material product data sheets;
 - c) Material safety data sheets including COSHH assessments;
 - d) Material certificates of conformity.
- (ii) The Organization shall produce method statements and risk assessments for the corrosion protection works typically including the following:
 - a) access and egress to the site and access to the corrosion protection works;
 - b) temporary works and encapsulation;
 - c) surface preparation;
 - d) coating application including conditions for application;
 - e) curing including conditions for curing;
 - f) materials identification, delivery, storage and disposal;
 - g) repair of damaged coatings;
 - h) Identification of the requirements of third parties that effect or are affected by the corrosion protection works, e.g. utility companies, the public, the Environment Agency etc.
- (iii) The Organization shall make available for the corrosion protection works the plant and equipment identified in the method statements. All plant and equipment shall be properly maintained and maintenance records kept.
- (iv) The Organization shall establish, maintain and implement procedures for the inspection and monitoring of the corrosion protection works. Records of the inspection and monitoring shall be maintained.
- (v) The Organization shall undertake a review of the corrosion protection works and the application and inspection records to confirm compliance with the Contract Specification. Where works are carried out in the workshop this review shall be carried out prior to despatch, and for all works at completion. This review shall be undertaken by an Inspector.

7.5.2 Validation of Processes for Production and Service Provision

- (i) Validation may be undertaken by using trial panels or by witnessing similar corrosion protection works.
- (ii) The Organization shall establish, maintain and implement a process for reporting to the Customer and Client any unexpected conditions or factors encountered that may affect the corrosion protection works, and work with the Customer and Client to mitigate such conditions or factors.

7.5.3 Identification and Traceability

The Organization shall establish, maintain and implement documented procedures to ensure the identification and traceability of corrosion protection personnel and materials respectively.

7.5.4 Customer Property

No specific interpretation.

7.5.5 Preservation of Product

- (i) The Organization shall establish, maintain and implement documented procedures for the appropriate handling, storage, packaging and disposal of corrosion protection materials.
- (ii) The Organization shall establish, maintain and implement documented procedures for the appropriate handling, storage and packaging of corrosion protection products, including transportation where applicable.

7.6 Control of Monitoring and Measuring Devices

- (i) The Organization shall establish and maintain a register of the monitoring and measuring devices used in corrosion protection works. Guidance is given in Appendix E.
- (ii) Where no standard exists, monitoring and measuring devices shall be calibrated in accordance with the manufacturer's instructions and as a minimum annually.

8 Measurement, Analysis and Improvement

8.1 General

The Organization shall identify and set targets for improvements in application of corrosion protection works.

8.2 Monitoring and Measurement

8.2.1 Customer Satisfaction

No specific interpretation.

8.2.2 Internal Audits

Internal audits of the quality management system against this SSD shall include the following:

- a) Six monthly office-based audits of the processes associated with corrosion protection works.
- b) In addition audits of corrosion protection works being carried out in the shop or on-site, at least twice a year; these are to include the following works: surface preparation and application of corrosion protection.

8.2.3 Monitoring and Measurement of Processes

No specific interpretation.

8.2.4 Monitoring and Measurement of Product

The Organization shall establish, maintain and implement monitoring and measurement processes that comply with the Contract Specification.

8.3 Control of Non-conforming Product

No specific interpretation.

8.4 Analysis of Data

No specific interpretation.

8.5 Improvement

No specific interpretation.

APPENDIX A: REQUIREMENTS FOR QUALITY PLANS

The Quality Plan shall include the following items as a minimum.

1. General Requirements

- 1.1 Definition of the product to be provided.
- 1.2 The Organization's management strategy for undertaking corrosion protection works, including clear and sustainable performance objectives.
- 1.3 The structure of the Organization describing delegated responsibilities, the line of command and stating the name of the Organization's Manager responsible for the contracted work.
- 1.4 Identification of the relevant parts of the Organization's documented quality system relevant to the product or service being provided.*
- 1.5 The processes for the selection of staff.*
- 1.6 The control, maintenance and selection of equipment.
- 1.7 The processes for communications between Customer and Organization.

2. Contract Specific Information

- 2.1 Name and contact details of Customer and/or Client contact(s).
 - 2.2 Details of the communications required between the Organization's staff and the Customer/Client or any other party including liaison with the Police, the Highway Authority, the Rail Authority, adjoining landowners and other organizations or individuals as appropriate.
 - 2.3 Work programme and details of deliverables including risk assessments, COSHH assessments and method statements.
 - 2.4 Storage, handling, application and disposal of corrosion protection materials.
 - 2.5 Details and control of quality records, including receipt, examination and submission to Client and Customer of certificates of registration, test results, sample retention and origins of materials used.
 - 2.6 Control of non-conforming product.*
 - 2.7 The maximum number of people that a Supervisor shall control at any one time.
- * Copies of the Organization's general procedures covering these items shall be made available for examination by the Client's representative, copies are to be provided when requested.

APPENDIX B: REFERENCE AND ASSOCIATED DOCUMENTS

Not used

Reference should be made to the Client's Contract Specification.

APPENDIX C: COMPETENCES

Reference should be made to Appendix M for guidance relating to Organizations registered to another NHSS undertaking work covered under the scope of this Sector Scheme.

The Organization shall ensure that their personnel shall have undergone suitable training and assessment that shall cover aspects of the work to be undertaken as described below. The Industrial Coatings Applicator Training and Certification Scheme (ICATS) process developed by Institute of Corrosion (ICorr) has been approved by the SSACCP as the benchmark level for industry, together with the ICorr certification scheme for paint and coating inspectors. Where other schemes exist, these will be assessed for equivalence by the SSACCP for acceptability.

A Operatives

The required training of Operatives shall consist of the "Industrial Coatings Applicator" training course, successful completion of which shall result in issue of the ICATS registration card. Training of Operatives consists of classroom-based activities and practical assessment undertaken at a registered training provider, or registered workplace, under supervision of an ICATS registered trainer. Training and assessment of Specialist Operatives with required specific skills shall consist of successful completion of the Industrial Coating Applicator training course followed by the relevant specialist operations course, successful completion of which shall result in the issue of a revised card recording the additional skills gained. Details of all current and planned courses provided under ICATS are tabled below.

Industrial Coatings Applicator (6 training segments)	<ol style="list-style-type: none">1. Health and Safety2. Access, Plant and Equipment3. Surface Preparation4. Materials and Paint Types5. Paint Application6. Quality Control
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SPECIALIST OPERATIONS

Abrasive Blast Cleaning Operator (6 training segments)	<ol style="list-style-type: none">1. Introduction2. Health and Safety3. Blast Media4. Standards and Quality Control5. Operational Procedures6. Process Control
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Paint Sprayer (5 training segments)	<ol style="list-style-type: none">1. Introduction2. Health and Safety3. Paint Materials4. Airless Spray Equipment5. Conventional Air Spray
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Thermal (Metal) Sprayer	Under development in collaboration with the Thermal Spraying and Surface Engineering Association (TSSEA).
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Water Jetting Operator	Under development in collaboration with the Water Jetting Association (WJA).
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Note: Personnel delivering the ICATS training will not be qualified as an Operative unless they have completed appropriate training as an Operative.

B Supervisors

For the corrosion protection works they are supervising, a Supervisor shall hold ICATS certification as an Operative or shall be a registered ICATS trainer.

Supervisors shall also have successfully completed the 'ICATS Supervisors' training course.

C Inspectors

Inspectors shall hold a certificate qualifying them to a minimum of ICorr Level 1 Paint Inspector (or equivalent). ICorr Level 1 certificated personnel have demonstrated competence to set up specific equipment; carry out tests and perform inspections against written criteria; record and classify the results of tests and inspections against written criteria and report results. However note that Level 1 personnel have not demonstrated competence in selecting the extent of inspection or testing required, appropriate inspection or test methods to be used, nor for the interpretation of specific requirements. Holders of ICorr Paint Inspector certificates at higher levels (i.e. Levels 2 or 3) are also qualified to Level 1.

D Technical Managers

Technical Managers shall have successfully completed the 'ICATS Supervisors' training course.

Technical Managers shall attend the ICATS Trainers Day (or equivalent) at least once every three years.

E Implementation of Training

In seeking registration to this Sector Scheme, Organizations shall comply with the requirements of the following table.

Table C1: Implementation of Training

ICATS Course (Core)	ICATS Course (Specialist Operations)	Final Target Date (For 100% of Operatives to be Certificated, excluding trainees. See 6.2.1)
Industrial Coatings Applicator		31 January 2008
	Abrasive Blast Cleaning Operator	31 December 2009
	Paint Sprayer	31 December 2009
	Thermal (Metal) Sprayer	Date to be confirmed
	Water Jetting Operator	Date to be confirmed

ICATS Course (Core)	ICATS Course (Specialist Operations)	Final Target Date (For 100% of Operatives to be Certificated, excluding trainees. See 6.2.1)
Where any of the above specialist operations are undertaken, the specialist operations modules become a mandatory requirement.		
Supervisors Course – Target date for Supervisors and Technical Managers to be trained is 31 st December 2012		

F Health and Safety Disclaimer

Organizations are reminded of the legal requirements to provide appropriate health and safety training for each of the Organizations employees and other persons under their control and the implementation of safe systems of work in accordance with the Health and Safety at Work etc Act 1974.

G Protection of the work force: additional safety competencies

Clients may have specific requirements for personnel seeking access to their infrastructure.

Highways - Organizations are reminded of the requirements for temporary traffic management on all highways including high speed dual carriageways and motorways. For work on high speed dual carriageways and motorways such works shall be carried out by an Organization registered to NHSS 12A or 12 B as appropriate. For works on other roads NHSS 12D applies and Organizations need to ensure that they have appropriately skilled Operatives to set out the necessary temporary traffic management measures. Guidance is given in Appendix M of NHSS 12D.

Health and Safety Qualifications.

It is a requirement that Operatives, Supervisors and Inspectors attending construction sites pass a health and safety test (CITB (highways) Health and Safety test associated with a relevant occupation card as listed below; or ECS HE version Health and Safety Test). It is a requirement that management staff pass the CITB Management Health and Safety test.

Relevant occupation cards:

Construction Related Occupation Card for 'Industrial Coatings Applicator'

Note: A relevant Certification Record Card will also be required. (See 6.2.2)

Railways – Organizations are reminded of the requirements for a safe system of work to be set up by persons with relevant track safety certification. Organizations' and sub-contractors' employees are required to have a current personnel track safety certification. Requirements are given in the relevant Railway Group Standards and company standards.

H Electrical Work

- a) Highway Equipment

Electrical and associated highway equipment requires specialist skills and knowledge; Operatives will need to hold relevant qualifications, certification and be registered in accordance with the requirements of NHSS 8 for highway works as well as complying with the necessary legal requirements and obligations.

b) On-site Equipment

Advice and guidance also needs to be provided for electrical and other work that may be needed in connection with the renovation of structural steelwork, e.g. lighting, heating and ventilating etc for which the Organization shall provide/ensure separate training and assessment.

c) Access

Advice and guidance on access to the structure shall be provided.

d) Railways

Organizations are reminded of the requirements for a safe system of work to be set up by persons with relevant electrification competence. Requirements are given in the relevant Railway Group Standards and company standards.

I National Vocational Qualifications

ICATS training and assessment has been developed so that it provides a natural link from training through to competency assessments. ICATS exceeds the knowledge requirements required for the National Vocational Qualification (NVQ (Industrial Painter)), developed by CITB Construction Skills. Under certain circumstances it is possible for the required training assessment under ICATS and the competence assessment under the NVQ to be combined and for both to be awarded simultaneously. Generally, however, persons trained and assessed under ICATS will require additional assessment for competence under the NVQ before award of the NVQ (Industrial Painter) can be made.

It is important to note that the achievement of the NVQ (Industrial Painter) without ICATS does not satisfy the training requirements of this Sector Scheme.

J Reference Documents

ICorr Operative Training and Competence Assessment

- a) ICATS – Industrial Coating Applicator Training Scheme
- b) ICATS – Requirements for the Certification of Personnel Engaged in Industrial Coatings Application
- c) ICATS – Applicator Training Manual
- d) ICATS – Applicator’s Log Book
- e) ICATS – Supervisor Training Manual
- f) ICATS – Supervisor’s Log Book
- g) ICATS – Inspector Training Manual
- h) ICATS – Inspector’s Log Book

APPENDIX C1: SCHEMATIC OF ICATS PROCESS

The ICATS process is summarised below:

Industrial Coatings Applicator (Basic Module)

1. Organization must be registered with the Institute of Corrosion (ICorr)/Correx Ltd. as ICATS corporate scheme member.
2. Organization nominates experienced staff who are then trained and assessed, as Trainers, at the ICorr Training Centre and are issued with certification.
3. Organization registers Trainees with Correx Ltd. Trainees are then trained and assessed, in-house or at a training centre, by the Certificated Trainer.
4. Certificated Trainer submits notice of results to Correx Ltd., who issue Certification to the Industrial Coatings Applicator

Specialist Operations Modules

1. Organization must be registered with the Institute of Corrosion (ICorr)/Correx Ltd. as ICATS corporate scheme member.
2. Organization nominates experienced staff who:
 - EITHER** have 10 years experience in training operatives relating to the particular specialist operation,
 - OR** have 5 years experience in use of the particular specialist operation plus 120 hours as Trainer for the Industrial Coatings Applicator.

On receipt of evidence and/or experience and training record, Correx Ltd. assesses the information for evidence of the required experience and competence as a Specialist Trainer and where appropriate issue Specialist Trainer Certification.

3. Organization registers Trainees with Correx Ltd. Trainees are then trained and assessed either in-house or at a specialist training centre by the Certificated Specialist Trainer.
 - (a) Specialist Operations Trainees for Abrasive Blast Cleaning Operative, Paint Sprayer and Thermal (Metal) Sprayer, **MUST** be certificated as Industrial Coatings Applicator (Basic Module) as a pre-requisite.
 - (b) Specialist Operations Trainees for Water Jetting Operative do not require prior certification as Industrial Coating Applicator and in such cases shall be only permitted to undertake water jetting.
4. Certificated Specialist Trainer submits notice of results to Correx Ltd, who issue Certification to the Specialist Operations Operative.

Supervisors Course

1. The ICATS Supervisors course is administered by Correx Ltd and delivered by a Correx Ltd approved trainer.
2. Organization nominates experienced staff as trainees who:
 - EITHER** are certificated as an Industrial Coatings Applicator,
 - OR** are certificated Trainers for the Industrial Coatings Applicator course and have conducted a minimum of 120 hours training,
 - OR** have a minimum of 5 years demonstrable experience in an industry related

supervisors role.

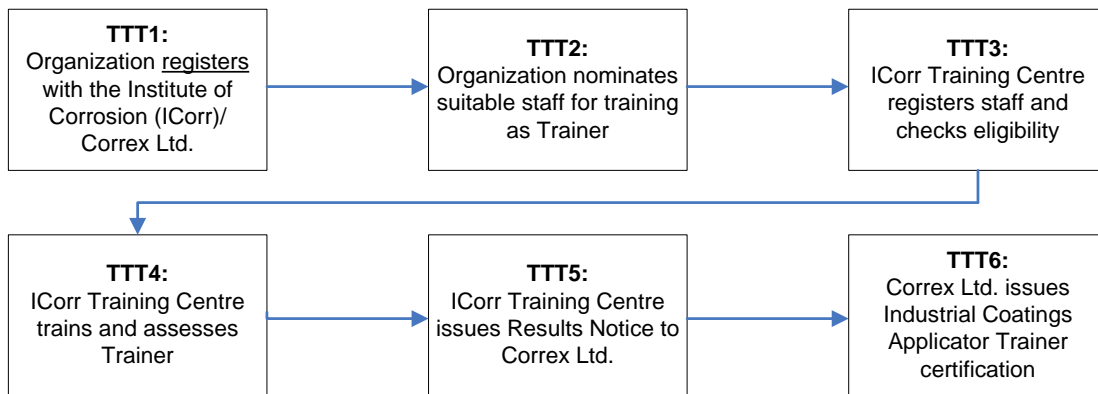
3. Trainees attend Supervisors Training Course. Trainer submits notice of results to Correx Ltd, who issues Supervisors Certification to successful trainees.

As certifying body, Correx Ltd maintains a list of certificated personnel who have attended and passed the ICATS training and assessment requirements for corrosion protection works listed in Appendix C. Correx Ltd also maintain a list of approved training providers.

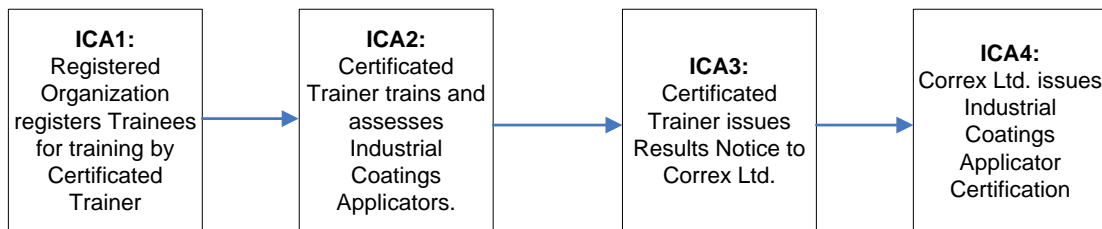
Correx Ltd. is the wholly-owned trading subsidiary of the Institute of Corrosion and can be contacted at the offices of the Institute of Corrosion:

7b High Street Mews
High Street
Leighton Buzzard
Bedfordshire, LU7 1EA
Tel: 01525 851771
Email: correx@icorr.org

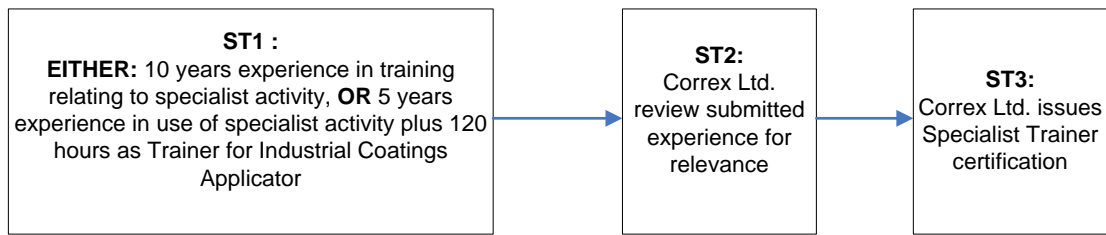
Industrial Coatings Applicator **Trainer** Certification



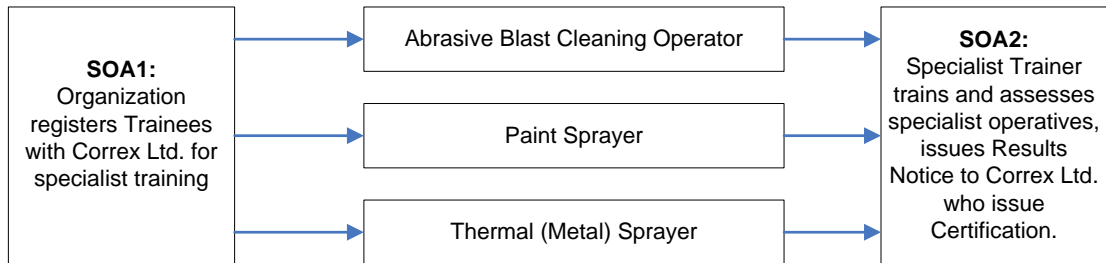
Industrial Coatings Applicator Certification



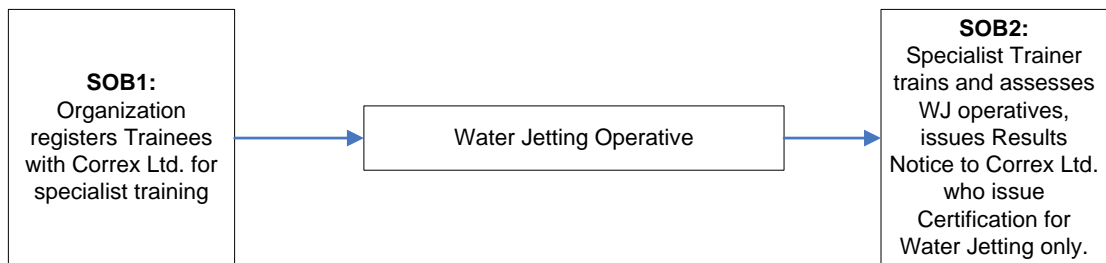
Specialist Trainer Certification



Specialist Operative Certification – Route A



Specialist Operative Certification – Route B



Supervisors Certification



APPENDIX D: EXAMPLE REGISTER OF CORROSION PROTECTION PERSONNEL

NAME OF COMPANY:

COMPANY ICATS REGISTRATION:

Full Name of Certificated Person	Certification Renewal Date	Details of training courses successfully completed by Certificated Person	Certificate number	Issued by

APPENDIX E: MONITORING AND MEASURING DEVICES

Example Register For Monitoring and Measuring Devices

Equipment & Unique Reference Number	Equipment Specification	Calibration Control	Calibration Frequency	Date of Calibration	Date Next Calibration Due.	Calibration Certificate Ref.
Soluble Salts Digital Meter – COA/037 (SCM 400)	N/A	In-house, or, Traceable calibration.	Annually	dd/mm/yyyy	dd/mm/yyyy	Ref
Digital Thermo hygrometer (Temp/humidity)- COA/060	N/A	Traceable calibration	Annually	dd/mm/yyyy	dd/mm/yyyy	Ref
Pull Off Adhesion Tester –COA/092 (Elcometer 108)	ASTM D4541-02	Traceable calibration	Annually	dd/mm/yyyy	dd/mm/yyyy	Ref
Dry Film Thickness Gauge – COA/076 (Elcometer 456) & COA/009 (calibration shim set).	BS 3900: Part C5	Operator calibration before use & Annual traceable calibration	Calibrate before use and Annually	dd/mm/yyyy	dd/mm/yyyy	Ref
Spark Tester – COA/003 (Elcometer 136)	ASTM G62-87	Traceable calibration	Annually	dd/mm/yyyy	dd/mm/yyyy	Ref
Surface Profile Gauge -COA/201 (Elcometer E123)	ASTM D4417-03	Traceable calibration	Annually	dd/mm/yyyy	dd/mm/yyyy	Ref
Contact thermometer – COA/083 (Elcometer)	N/A	Traceable calibration	3 years	dd/mm/yyyy	dd/mm/yyyy	Ref

'In house' calibrations to be in accordance with procedure(s) described in the equipment's operating manual. Separate records to be kept on method(s) used and results of calibration.

All Calibrations (other than 'in house') shall be certified by accredited/registered Inspection Bodies providing certification to UKAS traceable standards wherever possible / practical.

APPENDIX F: CERTIFICATION BODIES ACCREDITED FOR CORROSION PROTECTION WORKS

Information on Certification Bodies accredited against this Sector Scheme can be found on the UKAS website www.ukas.com. To identify the certification bodies on the website:

- place the cursor onto 'about accreditation' in top menu bar
- move down to 'Accredited Bodies' in the box and left click on this to take you to the list of Accredited Bodies schedules
- move down to 'Certification Body Schedules' and left click on this to take you to the list of certification schedules
- move cursor down past 'key abbreviations' to 'To search within the schedules' – click on 'search UKAS'
- move cursor to 'Certification Bodies' in the 'Search Within' box and left click
- type in "19A"
- left click 'search'

This should then lists the certification bodies who are accredited to the scheme and their details can be found by clicking on the appropriate links.

Note: The following Certification Bodies are accredited by UKAS for corrosion protection work to this Sector Scheme.

BM TRADA Certification Ltd
(BM TRADA) www.bmtrada.com

ISOQAR Ltd www.isoqar.com

Lloyd's Register Quality Assurance
(LRQA) www.lrqa.com

NQA www.nqa.com

Steel Construction Certification Scheme
(SCCS) www.steelconstruction.org

SGS United Kingdom Ltd
(SGS) www.uk.sgs.com

APPENDIX G: THE ROLE OF THE CERTIFICATION BODIES AND ASSESSOR COMPETENCE

1. Role of Certification Bodies

- 1.1. The independent assessment of conformity of Organizations to the requirements of BS EN ISO9001:2008 and the additional requirements required by this SSD relies upon the assessment expertise, competence and capability of accredited certification bodies.
- 1.2. The Certification Body role is to ensure, through assessment, that Organizations have management systems in place which address the enhanced BS EN ISO9001:2008 requirements detailed in this SSD.

2. Certification Body Accreditation

- 2.1. To ensure consistency and to demonstrate independent capability Certification Bodies are required to be accredited against the requirements of BS EN ISO/IEC 17021:2006 by the United Kingdom Accreditation Service (UKAS) or an equivalent International Accreditation Forum (IAF) member for assessment and registration of BS EN ISO9001:2008 quality management systems interpreted in accordance with this NHSS.

3. Assessor and Assessment Team Competence.

- 3.1. The Certification Body must be able to demonstrate to UKAS that it possesses and can maintain the necessary assessor experience and technical understanding of the industrial coating processes covered in the scope of this Sector Scheme. These assessment areas shall include, but not be limited to the following:
 - i) knowledge, understanding and application of this SSD (See Appendix G1)
 - ii) knowledge of the industrial coating industry, including the methods and techniques sufficient to understand the processes employed and the controls necessary to ensure delivery of corrosion protection to ferrous materials using industrial coatings. (Conveyance of this knowledge to auditing teams will be determined by the Certification Body and will be audited by UKAS).
 - iii) maintenance of demonstrable technical transportation engineering background, capable of reading and understanding specifications and drawings, including knowledge of relevant specifications (eg Specification for Highway Works) and standards relating to corrosion protection works and industrial coating materials.
 - iv) ability to demonstrate that they have ongoing suitable health and safety training which shall include appreciation of the risks involved in corrosion protection of ferrous materials by industrial coatings
 - v) preferably have knowledge of industrial coating materials including their properties.
- 3.2. The Certification Body must also ensure that assessors have sufficient knowledge of health & safety requirements related to working on live highways where appropriate, including knowledge of temporary traffic management, working in confined spaces and working at height for assessment of guidance provided on this aspect.

- 3.3. Guidance to Certification Bodies on assessor competence related to this Sector Scheme is given in the Certification Body guidance document – National Highway Sector Scheme Accreditation, Registration and Assessment Guidance for Certification Bodies – NHSS 0 Part 4.
- 3.4. The Certification Body is responsible for ensuring that the assessment teams possess demonstrable expertise in the assessment areas detailed above as they relate to the scope of client activities under assessment.
- 3.5. Minimum assessor qualifications and competence for assessment of this NHSS, which may reside in a single individual, or in an assessment team are as follows:
- i) International Register of Certificated Auditors (IRCA) Registered ISO9001:2000 Lead Auditor qualification or Certification Body equivalent and demonstrable expertise in leading assessment teams.
 - ii) BS EN ISO9001:2008 assessment experience obtained from assessments of corrosion protection of ferrous materials activities in two different Organizations
 - iii) Technical assessment competence in industrial coating and corrosion protection processes.
 - iv) knowledge, understanding and application of this SSD
 - v) knowledge of the industrial coating industry, including the methods and techniques sufficient to understand the processes employed and the controls necessary to ensure delivery of corrosion protection to ferrous materials using industrial coatings. (Conveyance of this knowledge to auditing teams will be determined by the Certification Body and will be audited by UKAS).
 - vi) demonstrable technical transportation engineering background, capable of reading and understanding specifications and drawings, including knowledge of relevant specifications (eg Specification for Highway Works) and standards relating to corrosion protection works and industrial coating materials.
 - vii) ability to demonstrate that they have ongoing suitable health and safety training which shall include appreciation of the risks involved in corrosion protection of ferrous materials by industrial coatings
 - viii) preferably have knowledge of industrial coating materials including their properties.

4. Conduct of Assessments.

- 4.1. Certification Bodies shall ensure that an adequate proportion of the initial and continuing assessment duration is devoted to assessing operational activities at sites and locations where corrosion protection works covered by the scope of this Sector Scheme are being undertaken.
- 4.2. Certification Bodies shall make every endeavour to ensure that during a three year certification cycle there is evidence of assessment of all corrosion protection activities covered by the Organization's scope of registration. Certification Bodies shall undertake surveillance visits at intervals of not greater than one year.

5. Format and Content of Registration Certificates.

- 5.1. Certificates of registration issued by Certification Bodies, which include within the scope of registration reference to compliance with this Sector Scheme, shall be in a format and contain the content detailed in Appendix K of this SSD.
- 5.2. The National Highway Sector Scheme Logo shall be included in any Certificate of Registration which has this Sector Scheme detailed in the Scope of Registration. The logo shall only be used and applied in the manner detailed in any conditions of use which may be published from time to time.

6. National Highway Sector Schemes Schedule of Suppliers.

- 6.1. Certification Bodies shall monitor the National Highway Sector Schemes Schedule of Suppliers posted at www.scheduleofsuppliers.com to ensure equivalence between their clients registered to this Sector Scheme and the listed Organizations.
- 6.2. Certification Bodies shall provide to National Highway Sector Schemes Schedule of Suppliers administrator at Lantra Awards details of registered Organizations whose scope of registration against this Sector Scheme has ceased to be applicable within 10 working days of that situation occurring.
- 6.3. Certification Bodies shall audit the Organization to ensure that the Schedule of Suppliers Management Team at Lantra Awards and the Scheme Secretary have been notified by the Organization of their NHSS registration. (See 4.1(ii) and 7.2.3 of this SSD)

7. Reporting on Sector Scheme Performance.

- 7.1. Each Certification Body accredited for this Sector Scheme shall provide to the Chairman of the SSACCP a summary report which includes as a minimum:
- a) observations and comments on the implementation and assessment findings related to the Sector Scheme including any omissions or deficiencies in its scope.
 - b) recommendations for improving/clarifying the SSD
 - c) feedback on deficiencies against contract documentation
 - d) a list of Organizations whose scope of registration includes this Sector Scheme for comparison against the Schedule of Suppliers

Note: This report shall be available a month before each National Highway Sector Scheme Liaison Committee meeting (normally held each May/June and October/November), so that it may be considered during the Group Sessions of the Liaison meeting. The report is to be issued to the Chairman of the National Highway Sector Scheme Liaison Committee and the Chairman of this Sector Scheme Committee.

APPENDIX G1: GUIDANCE TO CERTIFICATION BODY ASSESSORS AND INTERNAL AUDITORS

General Information

The certification body group (reporting to the Highways Liaison Committee) has proposed that an e-learning programme for assessors based on the information provided by the individual National Highway Sector Scheme Committees should be made available to third party assessors to enable them to have a fuller appreciation of the particular activities involved in highway construction and maintenance. The information contained in this appendix has been collated by the NHSS committee to provide Certification Body(CB) assessors with the background information that is considered appropriate for carrying out an assessment against BS EN ISO 9001 and this NHSS document. During the development of the Appendices it was realised that this information would also provide useful guidance for first and second party auditors of the system. It is hoped that it will be possible in the near future for access to the e-learning programme to be available to all assessors and auditors; information on this development will be made available through revision issues of the relevant NHSS document posted on the UKAS web-site.

Requirements

In addition to an assessor/auditor having a general appreciation of the requirements and processes required by BS EN ISO 9001:2008, a CB assessor or internal auditor should be aware of the following when completing an audit:

A General background to the scheme,

- i) The reasons for development of the National Highway Sector Schemes (NHSS) and this scheme in particular, and for CB assessors' examples of where its absence has caused concern/problems.

This is normally contained in the introduction to the scheme, in this instance the scheme (NHSS 19A) was initially developed with partnering bodies drawn from the industrial coatings industry recognising that the majority of premature failures of industrial coatings used to protect ferrous materials in transportation infrastructure assets occur as a result of poor practice in applying the industrial coating.

- ii) To whom the scheme applies

See Scope in relevant NHSS document ie NHSS 19A

- iii) Contact details of those that can offer scheme specific assistance

Secretary to the Advisory Committee to the Sector Scheme - See introduction in NHSS document. Contact details should also be contained in the Organization's quality manual.

- iv) An overview of the highway infrastructure that the scheme applies to

This scheme applies to the corrosion protection of ferrous materials in transportation infrastructure assets such as but not limited to highway and rail bridges, parapets, gantries, masts, columns, signal posts, electrification masts, station structures, level crossing equipment, buildings and toll booths. See Appendix M of the NHSS document for

details of the highway infrastructure not covered by the scheme.

v) The range of contracts that the scheme can apply to

See Scope in relevant NHSS document ie NHSS 19A (Section 1). Note that NHSS 19A has been written so as to be contract and client neutral. The scheme may be specified by any client in their contract for corrosion protection works.

vi) Specific types of works that the scheme applies to

See Scope (Section 1) in relevant NHSS document and also Appendix L in NHSS 19A; in this instance applies to corrosion protection of ferrous materials in transportation infrastructure assets using industrial coatings. The scheme applies to the provision of corrosion protection to new assets and to the maintenance of corrosion protection to existing assets. It is applicable to corrosion protection works undertaken in the workshop and on site. The scheme does not apply to providing corrosion protection to ferrous materials by hot dip galvanising or similar metal coatings (eg. electroplating and sheradizing) but does apply to the application of industrial coatings to such substrates.

vii) Definitions and terminology that are particular to the scheme

See Section 3 of the NHSS 19A document.

viii) Information on routes to competency of management, supervisors and operatives etc delivering the scheme services

Information/guidance is contained in Appendix C of the document, however the organization's training administrator should have this information available.

ix) Overview of important reference documentation applicable to the scheme

Section 2 and Appendix B of the document provides some information.

Knowledge of relevant European and British Standards, other standards and specifications for corrosion protection works, in particular those relating to product conformity, type testing and their requirements. For highway works, familiarity with the Specification for Highway Works especially Series 1900 & 5000, and notes for guidance, including when these are updated.

x) Relationship with other NHSS and it applicability to this scheme.

See Appendix M of the NHSS 19A document.

B Summary of where the scheme introduces the interpretation of Sections 4 to 8 of BS EN ISO 9001

4. Quality Management System	Interpretation Y/N	Comment
4.1	Y	Check Lantra Website to ensure all registration is current and registration

		details are correct.
4.2		
4.2.1	Y	Check Quality Plan is in place and complies with 7.1. Obtain a copy of plan as evidence.
4.2.2	Y	Ensure contract / tender review is in place.
4.2.3	Y	Ensure that all required contract specific documents are in place. Seek Evidence.
4.2.4	Y	Ensure that all required contract specific documents are in place. Seek Evidence.
5. Management Responsibility		
5.1	N	
5.2	Y	Ensure Customer feedback documents are in place upon completion of contract.
5.3	N	
5.4		
5.4.1	Y	Ensure objectives are covered in Quality plan and or policies.
5.4.2	N	
5.5		
5.5.1	Y	Ensure there is an organisation plan which covers responsibility / authority in accordance with the requirements of the SSD. Seek evidence. Ensure that personnel with contract specific responsibilities and authorities have been identified and is recorded. Seek evidence.
5.5.2	N	
5.5.3	N	
5.6		
5.6.1	Y	Review copy of annual management review. Ensure this contains reference to the relevant sector scheme.
5.6.2	N	
5.6.3	Y	Seek evidence that the output and actions of the management review are considered by Top Management at regular intervals.
6. Resource Management		
6.1	Y	Ensure contract / tender review is in place.
6.2		
6.2.1	Y	Review Copies of training certificates and forward looking training plans. Ensure that these are in accordance with the requirements of the sector scheme documents and that all related

		documentation is in date.
6.2.2	Y	See Appendices C, and D
6.3	Y	Review facilities and process equipment to confirm they are suitable for the scope of registration.
6.4	Y	In process Audit. Checks to include environmental condition records, plant maintenance sheets, access equipment certificates and induction records.
7. Planning and Product Realization		
7.1	Y	See Appendix A
7.2		
7.2.1	N	
7.2.2	Y	Ensure contract / tender review is in place within an appropriate timescale.
7.2.3	Y	Check process in place that meets requirements for Schedule of Suppliers Management Team and Scheme Secretary notification and effectiveness of the process.
7.3	Y	Ensure contract / tender review is in place.
7.4		
7.4.1	Y	Seek evidence that records are in place.
7.4.2	N	
7.4.3	Y	Seek evidence that documents are in place.
7.5		
7.5.1	Y	Check as part of in process audit
7.5.2	Y	Check as part of in process audit
7.5.3	Y	Cover during procedure review
7.5.4	N	
7.5.5	Y	Cover during procedure review
7.6	Y	See Appendix E
8. Measurement, Analysis and Improvement		
8.1	Y	Review copy of annual management review. Ensure this contains continuous improvements to the relevant sector scheme.
8.2		
8.2.1	N	
8.2.2	Y	Check internal audits are being carried out.
8.2.3	N	
8.2.4	Y	Check that Monitoring and measuring

		process documentation has been implemented in line with the contract specification. Seek evidence.
8.3	N	
8.4	N	
8.5	N	
8.5.1	N	
8.5.2	N	
8.5.3	N	

C Overview of the corrosion protection of ferrous materials

- 1 safe working practices
- 2 operative/supervisor training and qualifications
- 3 maintenance of equipment
- 4 public protection
- 5 environment
- 6 testing/inspection/workmanship
- 7 Health and Safety
- 8 other

C1 Safe Working Practices

Correct Personal Protective Equipment available and used

Equipment approved and suitable for use

Personnel to be aware of their H&S obligations

- must be able to read and understand their job sheet, risk assessment etc; understand English
- Method Statements/work procedures
- Risk Assessment
- Induction card/skills card

Vehicles/loads are inspected and drivers are competent

Awareness of relevant H&S legislation as applicable to the corrosion protection of ferrous materials.

Aware of current best practice including traffic management measures (including site arrangements).

C2 Training and Qualifications

- Have achieve appropriate training and competency modules
- Been inducted on specific equipment (by employer) or if appropriate (ie under training) is supervised by a qualified person
- Aware of and understand the relevant requirements of this NHSS
- Aware of and understand the provisions for implementation of training in NHSS 19A.
- Been inducted on site specific H&S issues (daily if necessary).

- Hold relevant skills card

C3 Maintenance of Equipment

- Personnel are aware of LOLER and PUWER requirements
- Maintenance checklists are available and have been completed as required.

C4 Public Protection

- Personnel are aware of need to protect public during installation operations
- Personnel have been trained to carry out a visual site risk assessment to ensure that the public will not be put at risk during installation/maintenance operations
- Where appropriate personnel are aware of HATO role
- Personnel have identification
- The Organization(company) has a complaints procedure in place

(Note Public in this instance includes personnel employed by the customer/client)

C5 Environment

Auditors should be sufficiently competent to make general observations on the effectiveness of the Organization's provisions in respect of the environment and in particular management of waste and its reduction.

C6 Testing/Inspection/Workmanship

Auditors should be aware of the importance of testing and inspection of the product.

C7 Health and Safety

Auditors should be aware of the current Health and Safety Legislation and related legislation, such as CDM regulations, as it applies to this Sector Scheme 19A.

APPENDIX H: ORGANIZATION ACCEPTANCE AND GUIDELINES FOR NEW ENTRANTS

1. Organization Acceptance

- 1.1 For work carried out on roads managed by the Highways Agency, The Welsh Assembly Government, Transport Scotland and DRD (Northern Ireland), only those Organizations holding a valid Certificate of Registration for work within the scope of this SSD shall be accepted as complying with Clause 104 and Appendix A of the Specification for Highway Works.
- 1.2 For work carried out on transportation infrastructure assets managed by other Clients acceptance of the Organization will depend on the requirements of the contract.
- 1.3 The Organization shall notify the Schedule of Suppliers Management Team at Lantra Awards (Lantra House, Stoneleigh Park, Kenilworth, CV8 2LG) and the Secretary of the SSACCP of their registration to this Sector Scheme within 14 days following confirmation from the Certification Body and thereafter annually in April, as detailed in paragraphs 4.1 and 7.2.3 of this SSD. This will allow inclusion of the Organization in the published list of registered Organizations maintained by the Schedule of Suppliers Management Team. In addition the Organization shall provide details of a focal point for the Organization. (Refer to Appendix O)

2. Guidelines for New Entrants – Requirements

- 2.1 Organizations shall have the required experienced and qualified Corrosion Protection Operatives and management who meet the requirements of this Sector Scheme. Organizations shall demonstrate that their equipment and systems meet the requirements of this Sector Scheme.
- 2.2 Organizations shall have applied for registration with a Certification Body that is accredited by UKAS to audit against this Sector Scheme. Organizations shall demonstrate that they have been audited for shop and/or site based activities.

APPENDIX J1: SCHEME FEEDBACK TO COMMITTEE CHAIRMAN

Any observations, feedback or complaints relating to the content of this SSD or the process described herein should be addressed (using the form below) to:

Feedback form

Committee Chairman
The Sector Scheme Advisory Committee for Corrosion Protection of Transportation Infrastructure
Assets
c/o UKAS
21 – 43 High Street
Feltham
Middlesex
TW13 4UN
Tel: 0208 917 8400
Fax: 0208 917 8500

Feedback/Issue Identified:

Suggested Action:

Name:

Organization:

Address:

Contact details:

Date:

APPENDIX J2: FEEDBACK TO A CERTIFICATION BODY

Feedback relating to certification matters in respect of alleged deficiencies in the product provided under this Sector Scheme shall in the first instance be taken up with the Organization. In the event that the matter cannot be satisfactorily resolved, written feedback shall be made to the Organization's Certification Body, detailing the feedback or issue identified. Contact addresses may be obtained by following the procedure given in Appendix F.

Feedback/Issue Identified:

Organization's Details:

Name:

Address:

Complainants

Name:

Organization:

Address:

Date:

Signed:

APPENDIX J3: FEEDBACK TO A CLIENT BODY ON POLICING OF NATIONAL HIGHWAY SECTOR SCHEME REGISTRATION

Feedback relating to policing of National Highway Sector Schemes registration matters in respect of alleged contractual mismanagement/oversights or alleged omissions in contract requirements by client organisations, their management agents or principle contractors where contracts can be or may have been awarded to organisations not registered to this National Highway Sector Scheme, or where contracts are alleged to have omitted requirements for compliance with this National Highway Sector Scheme should be referred back to the client body through an independent third party e.g. a trade association. Details of the alleged mismanagement or omission should as a minimum include the following details

- a) Contract identified

- b)
 - i) Details of omission in contract or

 - ii) Organisation Identified as being awarded the contract or

 - iii) both i) and ii) above

- c) Organisation raising feedback / issue
Name:
Organisation:
Contact details (Address, email address, telephone etc:)

- d) Date: Signed:

Highways Agency Roads/Contracts – Route for Feedback

Feedback should be sent by email to Standards_Feedback&Enquiries@highways.gsi.gov.uk

Other Highway Authorities

Feedback should be sent back to the relevant project manager or head of division responsible for the contract works. Such information or relevant contact details may be available on that highway authorities web-site.

APPENDIX K: THE INTERPRETATION OF CERTIFICATES ISSUED BY CERTIFICATION BODIES

Certification Bodies issue Certificates of Registration (CoR) in a variety of styles as suits their particular house style. They may consist of a single CoR containing all the requisite information or the CoR may be a standard certificate with appendices or addendum attached providing the full scope of registration (services) and the location(s) where these services are offered by an Organization. In the latter case, the CoR refers to the relevant appendices or addenda, which form an integral part of the certificate.

A valid NHSS CoR is only issued by a Certification Body accredited by UKAS against the relevant NHSS (See Appendix F of this document) or by a recognised equivalent accreditation body.

As a minimum a valid CoR will contain the following information:

- a) The scope of registration including specific registration to BS EN ISO 9001:2008 and this Sector Scheme including the Sector Scheme title - National Highway Sector Scheme 19A for Corrosion Protection of Ferrous Materials by Industrial Coatings.
- b) The identification of each and every permanent location where NHSS19A activities are carried out at or from and to which the CoR is applicable.
- c) The services offered by the Organization at each location identified on the CoR for NHSS 19A. for applicable categories with sub-categories, in accordance with Table K1.
- d) Logos for the NHSS, UKAS (or equivalent) and the Certification Body.
- e) The name and address(es) of the Organization
- f) The validity of the certificate (ISO 9001 - 3 yrs)*
- g) A unique reference number/code
- h) The signature of a relevant Certification Body official with his name and title

* Note where an Organization has an extension to scope to include for this NHSS, the expiry date of the certificate remains as 3 years after their initial assessment/or triennial assessment and not 3 years after obtaining the extension to their certificate i.e. the validity of the certificate will not be reset following their NHSS assessment.

Table K1: Scope of Registration – Categories and Sub-categories

Category	Sub-category
Workshop ^(a)	Industrial coatings application
	Abrasive blast cleaning
	Paint spraying
	Thermal (Metal) Spraying ^(b)
Site Works ^(a)	Industrial coatings application
	Abrasive blast cleaning
	Paint spraying
	Thermal (Metal) Spraying ^(b)
	Water Jetting ^(b)
<p>^(a) Each category may cover all locations or be location specific. Where a category covers all locations, all the locations where the identified sub-categories are carried out at or from shall be given on the CoR. Where a category is location specific, the subcategories applicable to each specific location shall be given on the CoR.</p> <p>^(b) These subcategories should not be used until the associated Specialist Operations training has been made available and operatives have been certificated for the specialist operations in accordance with the requirements of this SSD, unless details of alternative training have been submitted to and accepted by the SSACCP as being equivalent (See Appendix C).</p>	

Example Model Certificates

The following are example models for the certification.

Figure 1 shows the scope of registration on the certificate.

Figure 2 shows an example of an Appendix for scope of registration. Where appropriate the information on location and their respective scopes may be included on the Appendix for scope of registration.

Figure 3 shows an example of a specific NHSS 19A certificate including typical sample scope.

Figure 4 shows an example of a specific Appendix for scope of registration illustrating typical scope of registration and locations/offices/depts covered by the certificate.

Note: *[The italic text in square brackets shown on the examples indicates where specific text would need to be included.]*

Note: These Example Model Certificates of Registration are for information only and show the information required to be included on any such certificates. They do not imply any specific layout or format, and they are not intended to inhibit the house style of the Certification Body.

Figure 1: Example Model Certificate of Registration.

[Certification Body Name / Logo]

C E R T I F I C A T E O F R E G I S T R A T I O N

[ORGANIZATION NAME]
[Organization Address]
[Town]
[County]
[Post Code]

[Certification Body Name] issues this certificate to the above named company after assessing the company's quality management system and finding it in compliance with

**BS EN ISO 9001:2008
AND
THE FOLLOWING NATIONAL HIGHWAY SECTOR SCHEMES**

For the following scope of registration
[List of appropriate related works].
National Highway Sector Schemes
[Sector Scheme number and Title]
[Sector Scheme number and Title]
[Sector Scheme number and Title]

[(Appendix ... details the full scope of registration and Appendix ... details the locations covered by this registration)]

Certificate Number: *[Certificate Number]*
Issue Date *[date]*
Renewal Date *[date]*

Signature

[Name & Title of Certification Body Official]

[Certification Body standard footer: Name / Logo / UKAS Logo/NHSS Logo etc.]

Figure 2: Example Model Appendix

[Certification Body Name / Logo]

APPENDIX

To Certificate Number *[Certificate Number]* Appendix No. *[1]* Page 1 of *[1]*

This Appendix declares the scope of registration of the certificate granted to:

[ORGANIZATION NAME]

[Organization Address]
[Town]
[County]
[Post Code]

Scope of Registration

[List of appropriate highways related activities]
National Highway Sector Schemes
[Sector Scheme Number and Title]
[Sector Scheme Number and Title]
[Sector Scheme Number and Title]

<i>Depot, Regional Office etc</i>	<i>Applicable National Highway Sector Scheme(s)</i>	<i>Scope of Registration</i>
<i>Workshop 1 New road, Newtown</i>	<i>[Sector Scheme Number and title]</i>	<i>[Detailed scope]</i>
	<i>[Sector Scheme Number and title]</i>	<i>[Detailed scope]</i>
<i>Site Works</i>	<i>[Sector Scheme Number and title]</i>	<i>[Detailed scope]</i>

[Certification Body standard footer: Name/ Logo/ UKAS Logo/NHSS Logo etc.]

Figure 3: Example Model Certificate of Registration for Corrosion Protection

[Certification Body Name / Logo]

C E R T I F I C A T E O F R E G I S T R A T I O N

[ORGANIZATION NAME]
[Organization Address]
[Town]
[County]
[Post Code]

[Certification Body Name] issues this certificate to the above named company after assessing the company's quality management system and finding it in compliance with

**BS EN ISO 9001:2008
AND
NATIONAL HIGHWAY SECTOR SCHEME 19A**

For the following scope of registration
Corrosion Protection of Ferrous Materials by Industrial Coatings for:

- 1. Workshop*
- 2. Site Works*

(Appendix 01 details the full scope of registration and details the locations covered by this registration)

National Highways Sector Schemes
19A – National Highway Sector Scheme for Corrosion Protection of Ferrous Materials by Industrial Coatings

Certificate Number: *[Certificate Number]*
Issue Date *[date]*
Renewal Date *[date]*

Signature

[Name & Title of Certification Body's Official]

[Certification Body standard footer: Name / Logo / UKAS Logo / NHSS Logo etc.]

Figure 4: Example Model Appendix to Certificate of Registration for corrosion protection

[Certification Body Name / Logo]

APPENDIX 01

To Certificate Number *[Certificate Number]* Appendix No. *[1]* Page 1 of *[1]*

This Appendix declares the scope of registration of the certificate granted to:

[ORGANIZATION NAME]
[Organization Address]
[Town]
[County]
[Post Code]

Scope of Registration

National Highways Sector Schemes

19A – for Corrosion Protection of Ferrous Materials by Industrial Coatings for:

1. *Workshop*
 - i) *Industrial Coatings Application*
 - ii) *Abrasive Blast Cleaning*
 - iii) *Paint Spraying*
 - iv) *Thermal (Metal) Spraying*

2. *Site Works*
 - i) *Industrial Coatings Application*
 - ii) *Abrasive Blast Cleaning*
 - iii) *Paint Spraying*

<i>Depot, Regional Office etc</i>	<i>Applicable National Highway Sector Scheme(s)</i>	<i>Scope of Registration</i>
<i>Work Shop1 New Road, Newton</i>	<i>NHSS 19A</i>	<i>Workshop i), ii), iii), iv)</i>
<i>Site Works</i>	<i>NHSS 19A</i>	<i>Site i), ii), iii),</i>

[Certification Body standard footer: Name/ Logo/ UKAS Logo/NHSS Logo etc.]

APPENDIX L: GUIDANCE TO CLIENTS

This guidance is primarily of relevance to Clients and their supervisory staff.

Reference should be made to Appendix M before deciding whether to specify that Organizations should be registered to NHSS 19A, as registration to other NHSSs may include relevant requirements for corrosion protection of ferrous materials by industrial coatings.

The NHSS for Corrosion Protection of Ferrous Materials by Industrial Coatings was originally conceived as a document for use by Clients to specify the minimum standards for quality, training and competence of Organizations used by them to carry out corrosion protection of ferrous materials by industrial coatings.

The implementation of the Sector Scheme and development of ICATS is intended to provide:

- a) A qualified workforce competent at carrying out corrosion protection of ferrous materials by industrial coatings
- b) Requirements to evaluate risks and develop processes associated with the application of coatings and the production of an associated comprehensive quality plan for each contract.

It is necessary for the Client to ensure that all those involved in carrying out corrosion protection of ferrous materials by industrial coatings are appropriately trained and skilled, whether or not they are directly employed. The modular training scheme described in this SSD is designed to cater for the range of skills within the overall process of providing corrosion protection to ferrous materials by industrial coatings.

Clients and Customers that require confirmation of compliance with the Contract Specification in respect of the supply of services, products or materials should confirm that the quality management system certificate issuer is accredited by UKAS or equivalent and that specific reference is made to relevant Sector Schemes on certificates.

For the Sector Scheme to achieve its objectives it is essential that Clients, either directly or via the agents and individuals they employ, ensure that the requirements of this document are complied with. This includes ensuring that sub-contractors employed directly or indirectly, are registered to the Sector Scheme. Supervisory staff must be instructed to carry out spot checks to confirm identity of personnel.

The Schedule of Suppliers Management Team have established and manage a schedule of registered companies that have been registered to National Highways Sector Schemes; free access to the schedule is obtained by logging on to the Lantra Awards website www.scheduleofsuppliers.com. However, it should be noted that only those companies that confirm entry onto the schedule to Lantra Awards are listed. The list of all registered suppliers is held by Lantra Awards (if notified); Clients should contact Lantra Awards by email at scheduleofsuppliers@lantra-awards.co.uk to ascertain/check the status of company if it is not listed on the schedule.

APPENDIX M: GUIDANCE FOR OTHER NHSS COMMITTEES AND ORGANIZATIONS REGISTERED TO ANOTHER NHSS, FOR WORK WHICH INCLUDES CORROSION PROTECTION OF FERROUS MATERIALS BY INDUSTRIAL COATINGS

General Guidance

1. This guidance is primarily of relevance to other NHSS Committees and those Organizations registered to these Sector Schemes. The guidance is designed to enable them to decide how works covered under the scope of this Sector Scheme, which they might be undertaking, should be dealt with. This Appendix should be read in conjunction with Appendix L "GUIDANCE TO CLIENTS".
2. National Highway Sector Schemes likely to be directly affected by this document are:

Scheme 2A	The Design and/or Supply, Installation and Repair of Fences for Infrastructure Works
Scheme 2B	The Supply, Installation, Maintenance and Repair of Vehicle Restraint Systems
Scheme 2C	The Design, Supply, Installation and Repair of Environmental Barriers (Structural) for Infrastructure Works
Scheme 5A	The Manufacture of Parapets for Road Restraint Systems
Scheme 5B	The Installation of Parapets for Road Restraint Systems
Scheme 6	Minor Structures
Scheme 8	The Overseeing and/or Installation and/or Maintenance of Highway Electrical Equipment and Supporting Works
Scheme 9A	The Design, Assembly and/or Provision of Permanent and Temporary Road Traffic Signs

Note: the above is not an exhaustive list

3. A NHSS Committee may liaise with a relevant, recognized training and competency assessment body to develop bespoke training and competency assessment relevant to their sector and specific corrosion protection activities. The training and competency assessment requirements shall be described in the appropriate SSD and supporting documents.
4. Details of the training and competency assessment shall be submitted to the SSACCP for acceptance as being appropriate and relevant for the intended purpose but not necessarily equivalent to that provided under NHSS 19A.
5. Where the arrangements described above are in place within a NHSS, it is not intended that Organizations registered under the NHSS and undertaking works covered by it, which includes works covered by the scope of NHSS 19A, should also be registered to NHSS 19A.
6. Relevant NHSS Committees should consider the available options and provide appropriate advice to Organizations on what they need to do to meet their individual specific requirements and work commitments in respect of corrosion protection of ferrous materials by industrial coatings for their field of operations.

National Highway Sector Scheme Arrangements

The following table describes the current arrangements within other NHSSs for works covered under the scope of this Sector Scheme.

Scheme 2A	NHSS 19A applies
Scheme 2B	NHSS 19A applies
Scheme 2C	NHSS 19A applies
Scheme 5A	NHSS 19A applies
Scheme 5B	NHSS 19A applies
Scheme 6	Bespoke arrangements described within the SSD.
Scheme 8	Bespoke arrangements described within the SSD.
Scheme 9A	NHSS 19A applies

National Highway Sector Scheme Specific Arrangements

NHSS 6 - Minor Structures; **NHSS 8** - The Overseeing and/or Installation and/or Maintenance of Highway Electrical Equipment and Supporting Works

- 1 Bespoke training and competency assessment for corrosion protection works within the Highway Electrical Industry is available through a partnership between the Institute of Corrosion and the Highway Electrical Academy. This training and competency assessment in corrosion protection for the Highway Electrical industry is known as HEICATS and is referenced in the SSD for NHSS 6 and NHSS 8 and described in supporting documents.
- 2 Organizations or employees trained and registered under the HEICATS scheme will not entitle them to be registered to ICATS or NHSS 19A.
- 3 For the Highway Electrical industry whether NHSS 6 or NHSS 8, where the scope of the corrosion protection works being undertaken by the Organization extends beyond that covered by the specific training under the HEICATS training programme, full accreditation to the ICATS scheme, following successful training under the ICATS scheme, must be gained. Employees who have already been successfully trained under the HEICATS scheme will be able to take additional modules to gain certification under ICATS.
- 4 A register of employees who have undertaken the HEICATS scheme will be held by ICorr to enable verification of the training records.
- 5 Further details of HEICATS may be obtained from the Highway Electrical Academy.

Contact: The Principal
Highway Electrical Academy
Highdown House
Littlehampton Road
Ferring
W. Sussex
BN12 6PG
Tel: 01903 705140, Fax: 01903 705149, Email: principal@highwayelectrical.org.uk

APPENDIX N: Not used

Appendix O - APPLICATION FORM TO REGISTER ON THE SCHEDULE OF SUPPLIERS

Refer to the Scheme 0 – Part 3 document for the latest version of Appendix O. The Scheme 0 – Part 3 document is available to be freely downloaded from the publications area of the UKAS website (www.ukas.com).