

Guide to Surveillance of Protective Coatings of Structural Steelwork - Amendment A

1. Scope

1.1. General

This Technical Bulletin amends VicRoads Technical Bulletin - *Guide to Surveillance of Protective Coatings of Structural Steelwork* (TB 48) to reflect current practice.

2. Amendments to TB 48

2.1. Clause 2.3, paragraph 3

Amend sentence 2 to :

In particular these personnel must be particularly conversant with Section 631 - *Protective Treatment of Steelwork*, of the VicRoads Standard Specifications for Roadworks and Bridgeworks.

2.2. Appendix A - Accreditation Criteria Surveillance of Protective Coatings Company Accreditation

Replace the entire clause titled *Company Accreditation* with the following:

All companies or organisation conducting surveillance of protective coatings required by VicRoads Standard Specification Sections, Codes of Practice and applicable test methods shall meet the requirements of AS/NZS ISO/IEC 17020 - *Conformity assessment - Requirements for the operation of various types of bodies performing inspection*.

All test reports shall be endorsed in accordance with the AS/NZS ISO/IEC 17020 accreditation for that organisation. Organisations shall comply with the resource requirements for competent surveillance inspection personnel and appropriate supervision as required by AS/NZS ISO/IEC 17020. (Test reports may be called test certificates.)

Note: Accreditation bodies which are signatories to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for inspection bodies can offer accreditation against the requirements of AS ISO/IEC 17020. A listing of ILAC signatories is available from the ILAC website

(www.ilac.org). In Australia, the National Association of Testing Authorities (NATA, <https://www.nata.com.au>) is a signatory to the ILAC MRA.

2.3. Appendix A - Accreditation Criteria Surveillance of Protective Coatings Personnel Qualifications

Replace the entire clause titled *Personnel Qualifications* with the following:

In addition to the general requirements specified for AS/NZS ISO/IEC 17020 accreditation, protective coating surveillance personnel shall meet at least the following requirements for qualifications and certification before gaining inspection accreditation as an authorised signatory for protective coatings surveillance:

1. Attendance at a two-day course in auditing or quality management principles, conducted by a recognised quality training organisation; and
2. Completion of a trade certificate in a relevant industrial field such as industrial painting, galvanizing, welding or boiler making, or a certificate of technology specific to protective coatings or steel fabrication, from a recognised technical institution; and
3. At least one of the following qualifications:
 - (a) Coatings Selection & Specification (Australasian Corrosion Association Inc., <https://membership.corrosion.com.au/training>);
 - (b) Fundamentals of Protective Coatings (C1) (SSPC, US, www.sspc.org);
 - (c) Basic Coatings Inspection Course (KTA Tator, <https://kta.com>); or
 - (d) An equivalent qualification acceptable to the road agency;

and

4. At least one of the following certifications:
 - (a) Coatings Inspection Certificate (ACA Inc.);

- (b) Certified Protective Coatings Inspector (Certification Board for Inspection Personnel – NZ, www.cbip.co.nz);
- (c) NACE Coating Inspection Program (CIP) Level 1 (through ACA Inc);
- (d) British Gas Certified BGAS-CSWIP Painting Inspector - Grade 1 (www.twitraining.com);
- (e) Protective Coatings Inspector Program (PCI) Level 1 (SSPC – US, www.sspc.org);
- (f) Hot Dip Galvanizing Inspector Program (through ACA Inc); or
- (g) An equivalent certification acceptable to the road agency;

Documented evidence of qualifications and courses shall be provided at the initial assessment to AS/NZS ISO/IEC 17020. Accredited facilities or organisations shall retain copies of this documentation for verification at subsequent reassessments or at subsequent audits.

and

5. Demonstration of both satisfactory near range and medium range vision, and satisfactory colour perception, through:
 - (a) demonstration of satisfactory eyesight for near vision, permitting reading a minimum of Times Roman 4.5 points, or equivalent type and size letters, at not less than 300 mm on a standard test chart for near vision, in at least one eye, corrected or uncorrected (see note);

Note: This text is Times Roman 4.5 points, and is an example of what must be readable by the protective coating surveillance officer, as required by AS 3978-2003 : Non-destructive testing - Visual inspection of metal products and components, Clause 4(a).

and

- (b) a colour perception assessment by the Ishihara 24 plate test or an equivalent.

If you would like to receive this publication in an accessible format, please contact: vicroadstechnicalservices@roads.vic.gov.au, or request it using VicRoads website feedback form.

VicRoads Code of Practice - Revision Summary

RC TB 48-A - Guide to Surveillance of Protective Coatings of Structural Steelwork – Amendment A

Date	Clause	Description of Revision	Authorised by
February 2019	Clause 2 Appendix A	Section 631 Company accreditation Personnel qualification	Principal Advisor – Pavements, Geotech. and Materials