

Standard Practice

Recommendations for Training and Qualifying Personnel as Rail Car Coating and Lining Inspectors

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Foreword

The successful use of coating or lining systems for the protection of railroad tank cars and transported commodities depends on several factors. These include material quality, substrate compatibility, surface preparation, application techniques, process specifications, lining compatibility, and environmental conditions. Inspection of any or all of these elements by qualified personnel may be necessary to ensure that performance expectations, contractual and regulatory requirements are met.

This NACE standard practice is intended for use by corporate, public, or private entities in the rail industry that employ personnel to inspect railroad tank car interior coatings and linings. This standard provides guidelines to assist employers in identifying the basic requirements for the in-house training, testing, and qualification of personnel who perform coating or lining inspections for a specific application or project. The qualification procedures outlined in this standard are not, and should not be interpreted to be, a substitute for or alternative to the NACE Coating Inspector Program (CIP). An employer may elect to incorporate the CIP into its coating inspector qualification program or to use CIP as a partial or complete substitute for an in-house program. This standard is intended to specifically address the rail industry and satisfy the Association of American Railroads (AAR)⁽¹⁾ C-III M-1002 Specifications for Tank Cars, Appendix L 4.0, requirement for a written practice for the above-described activities.¹

This NACE standard was originally prepared in 1990 by Task Group (TG) T-14C-11, a component of Unit Committee T-14C, "Rail Equipment Corrosion." It was reaffirmed in 2006 by Specific Technology Group (STG) 43 (formerly Unit Committee T-14C), "Transportation, Land"; and revised in 2014 by TG 406 (formerly T-14C-11), "Review of NACE SP0398-2006." It is issued by NACE under the auspices of STG 43.

In NACE standards, the terms *shall*, *must*, *should*, and *may* are used in accordance with the definitions of these terms in the *NACE Publications Style Manual*. The terms *shall* and *must* are used to state a requirement, and are considered mandatory. The term *should* is used to state something good and is recommended, but is not considered mandatory. The term *may* is used to state something considered optional.

⁽¹⁾ Association of American Railroads (AAR), 50 F St. NW, Washington DC 20001-1564.

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