

# Care, Handling, and Installation of Internally Plastic-Coated Oilfield Tubular Goods and Accessories

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## **ABSTRACT**

*This standard recommended practice covers the care, handling, transportation, and installation of internally plastic-coated (IPC) oilfield tubular goods and accessories (IPC material). It presents guidelines for the proper care, handling, and installation of IPC oilfield tubular goods and accessories. This standard is maintained by Task Group 486.*

## **KEYWORDS**

*Oilfield, composites, maintenance*

## Foreword

***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.***

This standard practice covers the care, handling, transportation, and installation of internally plastic-coated (IPC) oilfield tubular goods and accessories (IPC material). Some internal plastic coatings are inherently brittle or may be incompatible with various chemicals used in oil and gas production operations and therefore are susceptible to damage from poor handling procedures, well operations, and chemical attack. Coating damage (e.g., cracks, chips, and disbondment) reduces coating effectiveness and results in premature coating failure. To minimize coating damage and prolong coating life, special handling and operating procedures must be used with IPC material during all phases of storage, transport, installation, and operation. Following the guidelines presented in this standard helps users, oil and gas producers, transportation companies, workover companies, and well-servicing companies and personnel to ensure the most cost-effective use of IPC material.

This standard was originally prepared in 1991 by NACE Task Group T-1G-4, a component of Unit Committee T-1G on Protective Coatings, Elastomers, and Other Nonmetallic Materials for Oilfield Use. It was reaffirmed in 1996 by T-1G, and revised in 2005 by Task Group (TG) 087, “Reaffirmation, Revision, or Withdrawal of STG 33 Standards and Technical Committee Reports.” It was revised in 2015 by TG 486, “Review of NACE Standard RP0291-2005.” TG 486 is administered by Specific Technology Group (STG) 33, “Oil and Gas Production—Nonmetallics and Wear Coatings (Metallic),” and sponsored by STG 03, “Protective Coatings and Linings—Immersion/Buried.” This standard is published by NACE International under the auspices of STG 33.

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