

QA requirements within NSI 009-32

NSRP Surface Preparation and
Coatings

November 2-3, 2010

QA Appendices

- Appendix 1 – QA Inspection Form - Environmental Readings & Paint/Nonskid Storage
- Appendix 2 – QA Inspection Form - SSPC-SP 1 Cleanliness Checkpoint
- Appendix 3 – QA Inspection Form - Surface Profile / Preparation & Cleanliness Log
- Appendix 4 – QA Inspection Form - Surface Conductivity / Chloride Log
- Appendix 5 – QA Inspection Form - Surface Cleanliness (Dust) Tape
- Appendix 6 – QA Inspection Form - Paint/Nonskid Application And Consumption Log
- Appendix 7 – QA Inspection Form - Dry Film Thickness Measurements
- Appendix 7a – QA Inspection Form - Wet Film Thickness Measurements
- Appendix 8 – Coatings Application Product Summary (CAPS) Sheet
- Appendix 9 – Quality Assurance Inspection Form - Submarine Touch Up Areas

Types of Checkpoints (per NSI 009-04)

- (G) is a symbol inserted in a Work Item to establish a point in the sequence of accomplishment of work at which time the SUPERVISOR shall be notified by the prime contractor in all cases to permit observation of a specific test or inspection (I)(V) by the government
- (I) inspections require verification and documentation by a separate individual, other than the person who has accomplished the work, who is qualified as an inspector and currently certified where required by the technical documents (e.g., NBPI, NACE, nondestructive testing, electrical cableway inspections, etc.).
- (V) inspections require verification and documentation by the qualified tradesperson, trade supervisor, or inspector.

Check Points (FY11 NSI 009-32) Other than Nonskid (3.10)

- (V) "ENVIRONMENTAL READINGS"
- (I) or (I)(G) "CLEANLINESS" (See 4.4)
- (I) or (I)(G) "SURFACE PROFILE" (See 4.4)
- (I)(G) "CONDUCTIVITY OR CHLORIDE MEASUREMENT"
- (I) or (I)(G) "SURFACE PREPARATION" (See 4.4)
- (I) or (I)(G) "COATING INSPECTION FOR EACH PAINT COAT" (Consists of Dry Film Thickness, Holidays, and Cleanliness) (See 4.4)

Check Points (FY11 NSI 009-32)

Nonskid (3.11)

- (V) "ENVIRONMENTAL READINGS"
- (I) or (I)(G) "SURFACE PROFILE" (See 4.4)
- (I) or (I) (G) "NONSKID MIXING AND APPLICATION" (See 4.4)
- (I) or (I) (G) "NONSKID SPREAD RATE AND HOLIDAY INSPECTION" (See 4.4)

Cost of QA is much more than how much does it cost to conduct each one of these inspections. How we document, monitor and measure the preservation process

- SP-1,
- conductivity
- Prep to spec
- Conductivity
- Profiles
- WFT, holiday check
- DFT, holiday check
- Final DFT's