



NACE SP0502-2008 – Task Group 041 Discussion

PHMSA Pipeline Casing Workshop

**Chicago, IL
July 2008**

NACE Task Group 041

- Responsible for the content in NACE RP0502 – ECDA Procedure
- At CORROSION 2008 RP0502-2002 was reaffirmed as NACE SP0502-2008
- Code still refers to NACE RP0502-2002
- TG 041 team working to rewrite SP0502

TG 041 Team's ‘Philosophy’ Re: Rewrite

- The document needs to be clarified.
- Technical intent needs to be preserved.
- Where necessary add tables, worked examples, “job aids,” and references to state-of-the-art industry reports on specific topics such as casings.

Rewrite Process

- Began by reviewing comments from past NACE conferences
- Reviewed all “word smith” requests and clarified in standard where appropriate
- Proposed changes made prior to NACE CORROSION 2008 have been posted on the NACE Web site
- Primary focus has been on Paragraph 5.10, “Guidelines for Determining the Required Number of Direct Examinations”

Paragraph 5.10 – Required # of Excavations

- Many different interpretations regarding this paragraph – Difficult to get through but we're making progress.
- Paragraph 5.10 and Note 3, Table 2 most controversial sections in the standard

Note 3 – Table 2

- Applied to tool selection for pipes:
 - Under Frozen Ground
 - Shielded Corrosion Activity
 - Under Paved Roads
 - Rocky Terrain
- Cased Piping

Note 3 – Table 2

- Written as a negative statement but propose to rewrite it as a positive statement
- Currently States – “Not Applicable: Not applicable to this tool or not applicable to this tool without additional considerations”
- Should State – “Applicable with additional considerations such as...”

Example – Hard Contact Discovered by ECDA

Procedure



Same Hard Contact After Removing Nestable Casing

Strap welded onto pipe. 3 o'clock



Electrolytic Couple Discovered with ECDA Process



Short-Term Schedule

- Finish review of 5.10 and if possible all of Section 5 by NACE Corrosion Technology Week (CTW) in September
- In addition, provide clarification to general Note 3 re: Table 2: ECDA Tool Selection Matrix also by NACE CTW in September



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