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October 30, 2007

Richard D. Huriaux, P.E.
Director, Technical Standards
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Dear Richard,

NACE International also believes measuring research impact on consensus standards is very important. Our coordinated efforts through research will keep generating new knowledge pertaining to these standards and improve their effectiveness. Please find the impact status tabulated on the next page for these standards affected by the research.

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No.	PHMSA Project #	Project Title	Project Status	SDO	Standard No.	Standard Title	Impact Status	Comment
1.	118	Improvements to the External Corrosion Direct Assessment Methodology by Incorporating Soils Data	Closed	NACE	RP0502	Pipeline External Corrosion Direct Assessment Methodology	Forwarded to committee officers for use in revision to RP0502	Revision expected within two years.
2.	119	Internal Corrosion Direct Assessment (ICDA) of Gas Transmission, Gathering, and Storage Systems	Closed	NACE	SP0206-2006	Internal Corrosion Direct Assessment Methodology for Pipelines Carrying Normally Dry Natural Gas (DG-ICDA)	<p>One task on project provided the basis for developing the specific procedure in the standard, and results were critical to gaining consensus by NACE members.</p> <p>Second task was to develop a method for wet gas (WG) ICDA. This method served as the basis for the draft standard by TG 305 (almost ready for ballot). See #177 and #192.</p>	Without the demonstration and validation, the members would not have had the technical reference to approve the standard.
3.	121	High CP Potential Effects on Pipelines	Closed	NACE	RP0169 (now SP0169)	Control of External Corrosion on Underground or Submerged Metallic Piping Syst	Forwarded to committee chair for use in revision that is under way	Ballot expected spring 2008
4.	143	Determining Integrity Reassessment Intervals Through Corrosion Rate Modeling And Monitoring	Closed	NACE	NACE RP0502	Pipeline External Corrosion Direct Assessment Methodology	Information forwarded to committee officers for use in revision.	
5.	155	Task Order #1: External Corrosion of Line Pipe Steels	Active	NACE	RP0502	Pipeline External Corrosion Direct Assessment Methodology	Information forwarded to committee officers for use in revision.	

No.	PHMSA Project #	Project Title	Project Status	SDO	Standard No.	Standard Title	Impact Status	Comment
6.	155	Task Order #1: External Corrosion of Line Pipe Steels	Active	NACE	SP0169-2007	Control of External Corrosion on Underground or Submerged Metallic Piping Systems	Information forwarded to committee officers for use in revision	
7.	162	Applying External Corrosion Direct Assessment (ECDA) to Difficult to Inspect Areas	Completed	NACE	RP0502	Pipeline External Corrosion Direct Assessment Methodology	Information forwarded to committee officers for use in revision	
8.	163	Model Modules to Assist Assessing and Controlling Stress Corrosion Cracking (SCC)	Active	NACE	RP0204-2004	Stress Corrosion Cracking (SCC) Direct Assessment Methodology	Information forwarded to committee chair for use in revision due in 2009.	
9.	167	Development of ICDA for Liquid Petroleum Pipelines	Completed	NACE	TG 315	Liquid Petroleum ICDA Standard	PRCI work has been fully incorporated into the development of a standard that will be balloted soon.	Chair expects lines 5.2 and 5.4 in the PHMSA Panel Peer Review template to be elevated from "effective" to "very effective."
10.	168	Evaluation and Validation of Aboveground Techniques for Coating Condition Assessment	Completed	NACE	Future NACE standard (TG 294)	Above ground testing for coating condition assessment	Forwarded to committee chair for use in development of standard	
11.	177	Direct Assessment for Internal Corrosion in the Presence of Wet Gas	Completed	NACE	TG 305	Wet Gas ICDA Standard	Used in development of draft standard—ballot in spring 2008.	
12.	188	Characterization of Stress Corrosion Cracking Using Laser Ultrasonics	Active	NACE	RP0204-2004	Stress Corrosion Cracking (SCC) Direct Assessment Methodology	Forwarded to committee chair for use in revision due in 2009.	
13.	192	Internal Corrosion Direct Assessment Detection of Water	Active	NACE	TG 305	Wet Gas ICDA Standard	Used in development of draft standard—ballot in spring 2008.	
14.	193	Guidelines for Interpretation of Close Interval	Active	NACE	RP0502	Pipeline External Corrosion Direct	Forwarded to committee officers for use	

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		Surveys for ECDA				Assessment Methodology	in revision.	
15.	195	Demonstration of ECDA Applicability and Reliability for Demanding Situations	Active	NACE	RP0502	Pipeline External Corrosion Direct Assessment Methodology	Forwarded to committee officers for use in revision.	
16.	196	ECDA for Unique Threats for Underground Pipelines	Active	NACE	RP0502	Pipeline External Corrosion Direct Assessment Methodology	Forwarded to committee officers for use in revision.	
17.	199	Guidelines for the Identification of SCC Sites and the Estimation of Reinspection Intervals for SCCDA	Active	NACE	RP0204-2004	Stress Corrosion Cracking (SCC) Direct Assessment Methodology	Forwarded to committee chair for use in revision due in 2009.	
18.	208	Improved In-Field Welding and Coating Protocols	Active	NACE	RP0105-2005	Liquid-Epoxy Coatings	Forwarded to committee chair for use in revision due in 2010.	
19.	208	Improved In-Field Welding and Coating Protocols	Active	NACE	RP0178-2003 (now SP0178-2007)	Fabrication Details, Surface Finish Requirements, and Proper Design Considerations for Tanks and Vessels to Be Lined for Immersion Service	Revision just completed; chair not aware of research; forwarded to him for consideration for next revision.	
20.	208	Improved In-Field Welding and Coating Protocols	Active	NACE	RP0303-2003	Field-Applied Heat-Shrinkable Sleeves	Chair not aware of research; forwarded to him for consideration for revision due in 2008.	
21.	211	Phase-Sensitive Methods to Detect Cathodic Disbondment	Active	NACE	RP0502	Pipeline External Corrosion Direct Assessment Methodology	Forwarded to committee officers for use in revision.	
22.	212	Effect of Surface Preparation on Residual Stress in Multi-Layer and Other	Active	NACE	RP0394-94 (now RP0394-2002)	Application, Performance, and Quality Control of Plant-Applied, Fusion-	Forwarded to chair for consideration during current revision (due in	

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		Pipeline Coatings				Bonded Epoxy External Pipe Coating	2007, will probably be 2008).	
23.	212	Effect of Surface Preparation on Residual Stress in Multi-Layer and Other Pipeline Coatings	Active	NACE	RP0694-94	Commercial Blast Cleaning?	Not revised; reaffirmed in 2007.	Chair not aware of research, but states the user selects the specific blast cleaning standard that best serves needs in terms of the coating system to be applied and the service environment. A user has 4 other options—Near White, White, Industrial, or Brush Off. He states they wouldn't change the Commercial Blast standard because of this. He suggests conducting research on Near White or White.

Thank you for coordinating these research outputs and their relevance to our consensus standards. We look forward to continued involvement with your active research and for future opportunities to document and convey their impact.

Sincerely,



Linda Goldberg
 Director, Technical Activities

cc: Cliff Johnson