

TIMP Roundtable
SGA Web Conference Series of 3 Sessions
April 5, 12, 19, 2010

Sponsoring Interest Group:
[Transmission Integrity Management Programs \(TIMP\)](#)

This series of web conferences focuses on selected topics of relevance to those responsible for various aspects of executing Transmission Integrity Management Programs (TIMP) in their organizations. It is presumed that participants already have training or experience in the goals and implementation of such programs.

Presenter, Company - Topic	SCHEDULED DATE
<p>Session 1: Defect Growth</p> <p>Keith Lewis, P-PIC Quick review of the pipeline corrosion threat and common mechanisms.</p> <ul style="list-style-type: none"> • Quick review of the DA and ILI as integrity assessments for HCAs and need to determine the reassessment interval. • Understanding the corrosion rate assumptions behind NACE SP0502 and ASME B31.8S <ul style="list-style-type: none"> ○ How to estimate the re-integrity assessment intervals as set out in B31.8S table 3 and figure 4. ○ Estimating critical corrosion rates from figure 4 • Review of published corrosion rates as a range of what can be expected • Need for actual corrosion rates. <ul style="list-style-type: none"> ○ Estimating corrosion rates from above ground measurements, and ○ Wall loss from pigging, single and multiple ILI, and ○ Wall loss from in the ditch measurements, • Estimating realistic corrosion rate and reassessment interval using history <p>Drew Hevle, El Paso Methods for determining corrosion rates:</p> <ul style="list-style-type: none"> • Direct measurements • Indirect measurements (ILI) • Measuring the corrosion rate of the material in situ (in the environment) • Measuring coupons or corrosion in similar conditions such as statistical data • Estimating the corrosion rate based on corrosion initiation or models • Using a default rate <p>Information that would allow an operator to rule out conditions that cause the outliers:</p> <ul style="list-style-type: none"> • Level of cathodic protection • Coating type and condition • Operating temperature • Past history 	<p>Monday, April 5, 2010 9:30-11:30 AM CT 10:30-12:30 PM ET</p>
<p>Session 2: Using Risk Assessment After the Baseline Assessment Plan</p> <p>Melanie Hosey, Enbridge Jennifer Klementis, Alliance Pipeline Trevor MacFarLane & Jim Mihell, Dynamic Risk Mark Stephens, Centre For Engineering Research Inc. (C-FER)</p>	<p>Monday, April 12, 2010 9:30-11:30 AM CT 10:30-12:30 PM ET</p> <p>Download a white paper courtesy of Dynamic Risk</p>
<p>Session 3: High Strength Steel Issues</p> <p>Keith Lewis, P-PIC Overview</p> <ul style="list-style-type: none"> • Review of the pipe making process from steel making, plate rolling through pipe mill • Review of API 5L and discussion of their Quality Control philosophy requirements <ul style="list-style-type: none"> ○ Chemistry & strength guidance in 5L ○ Alternate technology routes to high strength pipe grades • Need for sampling at important locations to assure the purchase order requirements are met • Addressing natural inhomogeneities in sampling slabs, plate, and pipe • Yield and Ultimate Strength performance <ul style="list-style-type: none"> ○ Discussion of the Bauschinger Effect ○ Discussion of the differences between strap, ring, and round bar tensile results • Discussion of property differences in U&O, spiral and ERW pipe mills 	<p>Monday, April 19, 2010 9:30-11:30 AM CT 10:30-12:30 PM ET</p>