

Mechanical Damage

Challenges and Barriers to Industry Acceptance of Technology

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Operators



Regulators



Competitors



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GTI/PRCI Project 3698



- Phase 1 : Jul 98 Aug 99
 - Design and build test vehicle
 - Pull tests
- Phase 2 : Sept 2001 Dec 2003
 - Analyze High MFL, Low MFL, DEF
 - Decoupling algorithm
 - Severity classification
 - Technology transfer & software development

What Next?



- Digest report
- Much discussion over several meetings
- PRCI was focused on research not implementation
- Market not ready for the technology
 - Terminology, benefits and risks not fully understood

PRCI – Proposal 2004



- October 2004 submit commercialization proposal
 - Prove up the technology in pipelines
 - Costs
 - Benefits
 - Risks

PRCI – Proposal 2004



- October 2004 proposal tasks
 - Build tool
 - Fabricate calibration pipe
 - Write processing and display software
 - Train analysts
 - Run tool
 - Analyze data
 - Field verification of results
 - Probable modification of algorithms

What Next?



- October 2005 PRCI submitted cofunding request to DOT
- March 2006 request for proposals

Validation



- How can we validate results?
 - May have little visual evidence
 - Which tools in the ditch?
- Operators need to fully involved
 - Define the process
 - Disclosure of pipeline information

Industry Acceptance



- Two main ways
 - Many runs for many operators over a lengthy period of time
 - Work with few clients in public domain
- Standardization of terminology
- Acceptable severity specifications