

Pipeline SMS Tool Roadmap

GETTING STARTED

- Leadership and Management Commitment
- Understand API RP 1173
- Setting – Goals and Objectives (Mindset, Understanding, and Culture)
- Attend Webinars and Workshops
- Improve Organization and Industry Communication



Obtain management commitment to API RP 1173 implementation

- Liquid operators: Commitment Letter
- AGA members: Commitment to Enhancing Safety
- INGAA members: Commitment to Pipeline Safety
- APGA members: Commitment to Pipeline Safety

PLANNING TOOL

- Summary of API RP 1173 Requirements (71 Questions)
- A Gap Analysis Tool to Compare An Operator's Existing System To The Requirements Of API RP 1173
- Documents Action Plans, Roles and Responsibilities, and Development of Key Performance Indicators to Close Gaps
- Helps operators achieve Level 1 maturity (develop a plan, and begin work)

IMPLEMENTATION TOOL

- Understanding and Improving Performance Relationships
- Summary of API RP 1173 Requirements (71 Questions)
- Evaluates and Summarizes the Operator's Implementation Status By Question, Element And Overall
- Helps Operators Track Development of Programs to Implement the RP Up To Level 3 or 4 Maturity

EVALUATION TOOL

- Requirements + Best Practice + Implementation = Maturity
- Evaluate the growth and develop of its PSMS – Comprehensively, systematically applied, and integrated throughout the organization?
- Are the elements properly lined to one another?
- Use of this tool is voluntary and does not certify the operator's adherence to API RP 1173 or any other standard, rule or regulation
- Helps operators evaluate the effectiveness of their programs in achieving the objectives of the RP (Effectiveness Score)
- Appropriate at Level 3 maturity or beyond

CONFORMANCE CHECKLIS
(all API RP 1173 "shall" statements)

PEER-TO-PEER SHARING APPROPRIATE
AT ALL MATURITY LEVELS

API-PIPELINE SMS THIRD-PARTY ASSESSMENT PROGRAM

- Assist operators in evaluating the conformance, effectiveness, and maturity of existing Pipeline SMS (PSMS)
- Identify opportunities for improvement in PSMS implementation and pipeline safety performance industry wide
- Promote learning from shared experiences, industry practices, and collaboration among participating sites
- Provide opportunities for benchmarking with the consistent use of industry-developed protocols and tools
- Serve as a feedback mechanism for an analysis of industry performance to help identify trends and patterns
- Provide operators with a standardized third-party approach to address the auditing requirements of API RP 1173, Section 10.2.2 and the PSMS maturity evaluation and benchmarking requirements of Section 10.2.5



Pipeline SMS