



U.S. Department of
Transportation
Pipeline and Hazardous Materials Safety Administration

Voluntary Information-sharing System Working Group Task Statement

Subcommittee: Best Practices

Alternate DFO: Max Kieba

Subcommittee Chair: Eric Amundsen

Task Statement: Evaluate existing processes (including other industry VIS models and practices) and make recommendations on best practices that will promote the sharing of data and information.

Subcommittee Task Number: 18-03

18-01 (Mission and Objectives)

18-02 (Process Sharing)

18-03 (Best Practices)

18-04 (Technology/R&D)

18-05 (Training and Qualifications)

18-06 (Regulatory, Funding, Legal)

18-07 (Reporting)

Primary Mandate Requirement(s) Addressed:

- (c)(1) The need for, and the identification of, a system to ensure that dig verification data are shared with in-line inspection operators to the extent consistent with the need to maintain proprietary and security-sensitive data in a confidential manner to improve pipeline safety and inspection technology.
- (c)(2) Ways to encourage the exchange of pipeline inspection information and the development of advanced pipeline inspection technologies and enhanced risk analysis.
- (c)(3) Opportunities to share data, including dig verification data between operators of pipeline facilities and in-line inspector vendors to expand knowledge of the advantages and disadvantages of the different types of in-line inspection technology and methodologies.
- (c)(4) Options to create a secure system that protects proprietary data while encouraging the exchange of pipeline inspection information and the development of advanced pipeline inspection technologies and enhanced risk analysis.
- (c)(5) Means and best practices for the protection of safety and security-sensitive information and proprietary information.
- (c)(6) Regulatory, funding, and legal barriers to sharing the information described in paragraphs (c)(1) through (4).



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SMS Alignment (API RP 1173, 1st ed): SMS-9

SMS-5 (Leadership and Management Commitment)

SMS-6 (Stakeholder Engagement)

SMS-7 (Risk Management)

SMS-8 (Operational Controls)

SMS-9 (Incident Investigation, Evaluation, and Lessons Learned)

SMS-10 (Safety Assurance)

SMS-11 (Management Review and Continuous Improvement)

SMS-12 (Emergency Preparedness and Response)

SMS-13 (Competence, Awareness, and Training)

SMS-14 (Documentation and Record Keeping)

SMS-15 (Safety Culture)

Task Purpose:

Evaluate existing processes (including other industry VIS models and practices) and make recommendations on best practices that will promote the sharing of data and information.

Task Description(s):

Evaluations and resulting recommendations are intended to accomplish:

- Active participation of all stakeholders: Compelled by the value proposition
- Integrity management process and technology improvements
 - Identification of current industry VIS processes and systems (PRCI, API, INGAA, SGA, Service Providers) and assessment of active participation by stakeholders
 - Identification of current gaps in data, technology and/or analytics that need to be closed
 - Sharing occurs between technology providers and operators
 - Sharing of enhanced processes and practices i.e. solutions to known problems including experience with new data/information technology
 - Training and education of lessons learned with respect to execution of the various integrity management processes
 - Improved analytics
 - Near misses
- Post incident related RCFA's and subsequent company/regulator learning
 - Systemic or acute process improvements
 - Cultural improvements
 - Technology/Technology deployment improvements
- Communication to and with stakeholders including regulators, public advocacy, public



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The following framework is proposed as a guide for developing the information sharing best practice:

The sharing opportunity is characterized by the following:

- **High Value** – the opportunity results in an increase in knowledge, process improvement or best practice at a company level. To this end the sharing should target the right side of the value chain (data, information, **knowledge, understanding, wisdom**).
- **Deliberate** - The sharing process is via active engagement between one or more parties and is a pitch/catch relationship; at a minimum at least one party is learning/gaining knowledge or wisdom from another or they are engaged in process improvement.
- **Actionable** – The result of the engagement generates action by one or more parties and processes or practices change within that entity (industry or service providers).
- **Measurable** – The sharing process as well as the results of the improvements/actions are measurable (leading and lagging KPI's).

Deliverable(s):

- 1.Subcommittee Report Out Presentation(s) to the parent committee
- 2.Summary Report recommendation(s) to parent committee for approval

Target Milestones and Dates:

- 1.Submit initial recommendations and finding to the parent committee (July 2018)
- 2.Initial Recommendation Report Drafted (Aug/Sept 2018)
- 3.Final Recommendation Report Approved (Dec 2018)

Date initially presented to VISWG:

Click or tap to enter a date.

(By *in-person* or *electronic vote*)

Disposition:

<input checked="" type="checkbox"/>	Approved	2/28/2018
<input type="checkbox"/>	Disapproved	Click or tap to enter a date.
<input type="checkbox"/>	Returned to Subcommittee	Click or tap to enter a date.