

PSMS TOOLS WORKSHOP
OCTOBER 10, 2018



PSMS EVALUATION TOOL & EVALUATION PROCESS

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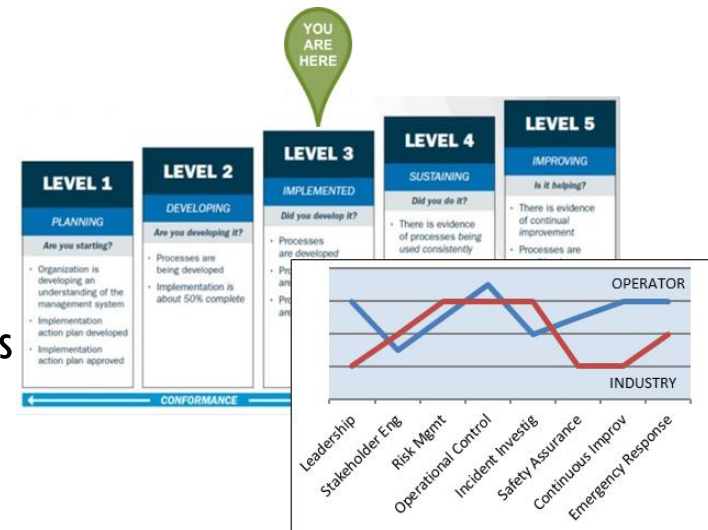
AARON DUKE — SENIOR ASSOCIATE, NEW PROGRAMS, API

TODAY'S SESSION

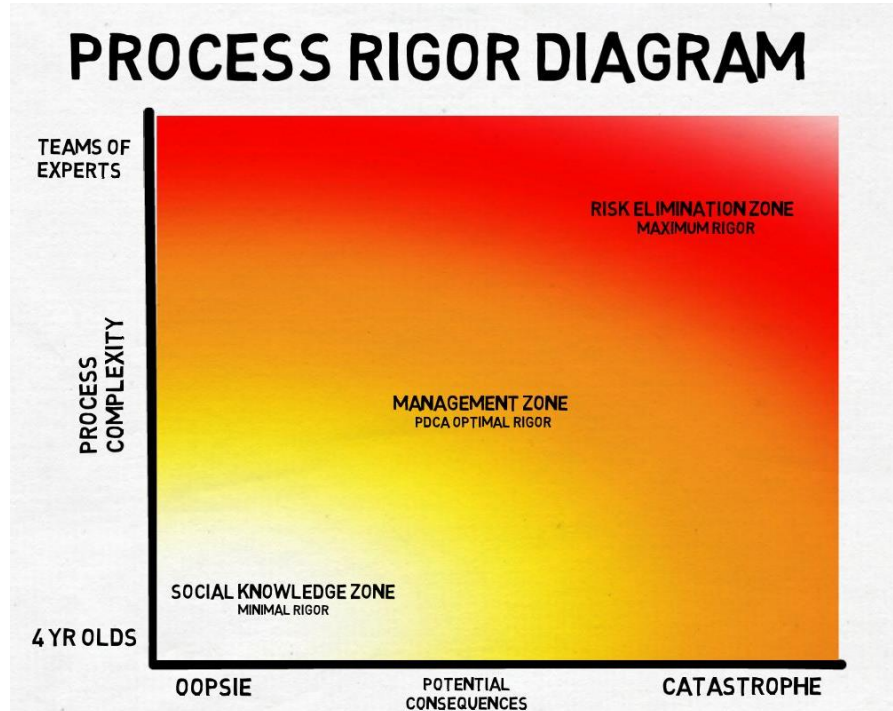
- Introductions
- Evaluation Tool & Process Intro
- Process Rigor — How much is enough?
- Evaluation Tool Questions
- Evaluation Process — Workshop & Discussion
 - Discuss process and examples using tool questions
 - What do you look for — assessment, audit, evaluation evidence?

EVALUATION TOOL & PROCESS

- Tool and process for evaluating conformity and effectiveness
 - Audit Matrix: Questions by sub-element addressing RP
 - Effectiveness Evaluation: Normative + Informative KPIs
 - Benchmarking: Where is your company at?
 - Forming basis of API third party assessment program
- Evaluation process
 - Evaluation of maturity across the RP elements/sub-elements
 - One-size does not fit all — flexible and scalable
 - How much is enough?



PROCESS RIGOR – HOW MUCH IS ENOUGH?



Click diagram or paste the following link into your browser to watch the video

<https://vimeo.com/293380548>

EVALUATION TOOL QUESTIONS

Evaluation Tool 8-19-2018 v1 Locked.xlsx - Excel

William R Byrd

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Short Question Name	Element # / Requirement / Section #	Score	Comments	"Shall" #
Operating Procedures	Operations procedures (operating, maintenance, emergency response, control of materials), consistent with the Operator's safety policies and objectives and which consider safe operating limits, which operations personnel follow and have responsibility / authority to raise concerns, get permission to deviate, and stop work meanwhile, are in writing for the following topics: <ul style="list-style-type: none"> initial start-up (new or modified facilities) normal operation temporary operations, as the need arises emergency operations, including emergency shutdowns normal shutdown start-up or restoration of operations following maintenance or outage 			8.1-1 8.1-2 8.1-3 8.1-4 8.1.2 8.1.2.a.1 8.1.2.a.2 8.1.2.a.3 8.1.2.a.4 8.1.2.a.5 8.1.2.a.6 8.1.2.b
Operating Procedure Review	Operating procedures are routinely reviewed according to risk (at least annually) to identify improvements and lessons learned, and document changes.			8.1.3-1 8.1.3-2 8.1.3-3
Construction Quality Management	Systems are in place to ensure the design, purchasing, control of materials, manufacturing, fabrication, and installation of PSMS-covered pipeline systems occurs per the specified requirements, specifications, regulations, and applicable standards, with QC / inspection.			8.1-1 8.2.1 8.2.2 8.2.3
Maintenance	Procedures are in place for operating and maintenance activities, including inspection and testing of safety devices.			8.2.1 8.2.4 8.2.5

EVALUATION PROCESS – 5 “BIG” QUESTIONS

1. What company parts, people, programs are impacted?
2. What procedures, processes, programs address evaluation tool questions?
3. What data do you need to collect?
4. How do you collect it?
5. What's good enough?
 - ✓ Risk and required process rigor
 - ✓ Comprehensive, systematic, integrated
 - ✓ Maturity assessment

WORKSHOP & DISCUSSION

Short Question Name	Element # / Requirement / Section #	Score	Comments	"Shall" #
	4. Operational Controls - Section 8			
Operating Procedure Review	Operating procedures are routinely reviewed according to risk (at least annually) to identify improvements and lessons learned, and document changes.			8.1.3-1 8.1.3-2 8.1.3-3
Maintenance	Procedures are in place for operating and maintenance activities, including inspection and testing of safety			8.2.1 8.2.4

1. What company parts, people, programs are impacted?
2. What procedures, processes, programs address evaluation tool questions?
3. What data do you need to collect?
4. How do you collect it?
5. What's good enough?

Closing thoughts