



10 Essential Elements to the Perfect Pipeline Safety Management System

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Perfect

Definition of perfect

1a : being entirely without fault or defect : [FLAWLESS](#) a *perfect* diamond

b : satisfying all requirements : [ACCURATE](#)

c : corresponding to an ideal standard or abstract concept a *perfect* gentleman

d : faithfully reproducing the original; *specifically* : [LETTER-PERFECT](#)

e : legally valid

James “Jimmy” Schauer

- In The Energy Industry since 2002
- Past CEO
- Board of Directors- Texas Gas Association
- Intrastate Pipeline
- Natural Gas Marketing
- Gas Utilities
- E&P- “The Patch”
- LNG SME
- Learner....constant learner



Why

Definition of why:

For what cause, reason, or purpose *why* did you do it?

Why



Why



Some of My Why's



Pipeline Safety Management System

A systematic way to identify hazards and control risks while maintaining assurance that these risk controls are effective.

Guidelines for the facilitation of a good safety culture.

Safety Culture

Safety cultures consist of shared beliefs, practices, and attitudes that exist at an establishment.

Culture is the atmosphere created by those beliefs, attitudes, etc., which shape our behavior.

Think About....

- You can have a positive safety culture without a PSMS, but you can't have a PSMS without a positive safety culture!
- Safety Culture is the glue that brings all of the elements of PSMS together.
- PSMS is a journey not a destination.
- Continuous improvement/assessment is a critical component of PSMS
- PSMS is transformative – Game Changer
- A holistic approach to managing pipeline safety



Leadership & Management Commitment

- **Top Management**
- Management
- Employees

- ✓ Goals & Objectives
- ✓ Communication



Leadership & Management Commitment

- Top Management
- **Management**
- Employees

- ✓ Day to Day Operations
- ✓ Plans Policies & Procedures
- ✓ Performance Measures



Leadership & Management Commitment

- Top Management
- Management
- **Employees**

- ✓ Report Risks
- ✓ Take Action



Some of My Why's



PLAN

- **Risk Management**

- Identify
- Plan
- Review



PLAN

- **Risk Management**
 - Identify
 - Plan
 - Review

Identify & assess
threats.



PLAN

- Risk Management
 - Identify
 - Plan
 - Review

Mitigate risk and intended effectiveness.



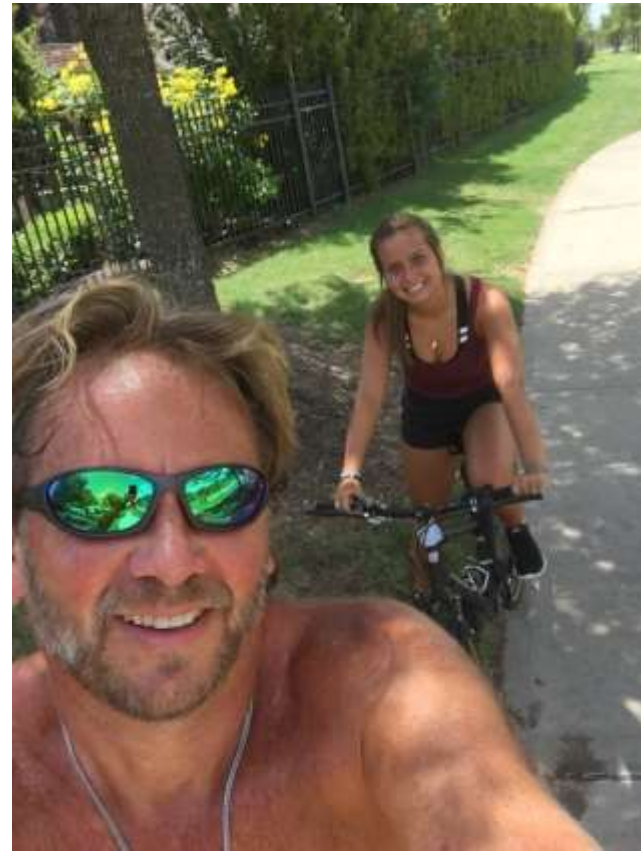
PLAN

- Risk Management
 - Identify
 - Plan
 - Review

At LEAST annually.



Some of My Why's



DO

- **Stakeholder Engagement**

- Operational Controls
- Emergency Management
- Training
- Recordkeeping

- ✓ Internal Stakeholders
- ✓ External Stakeholders



DO

- Stakeholder Engagement
- **Operational Controls**
- Emergency Management
- Training
- Recordkeeping

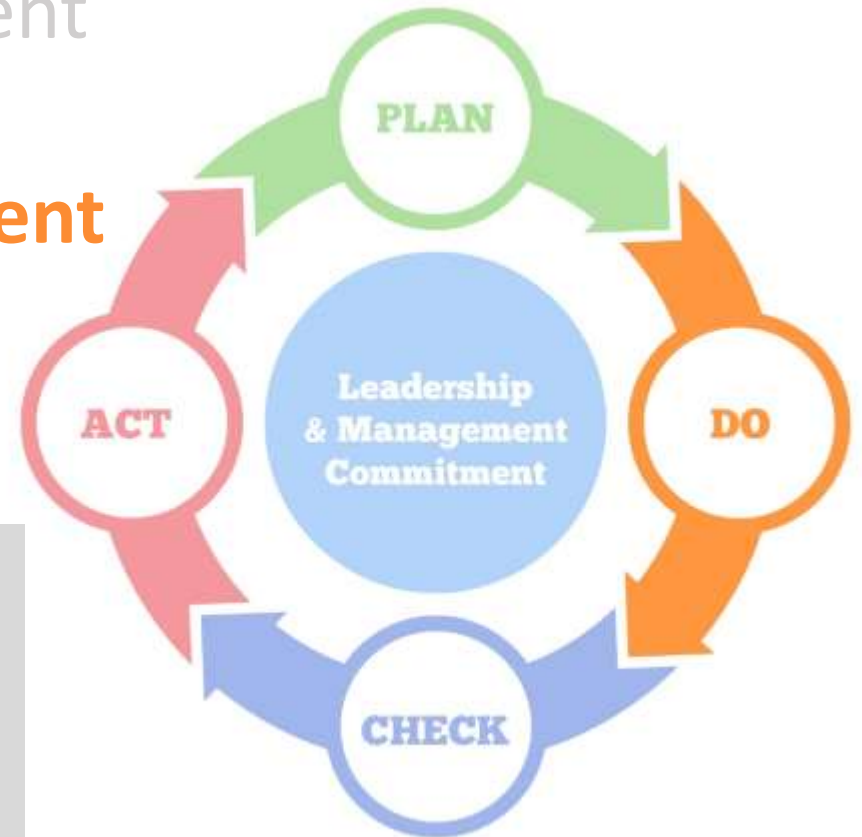
- ✓ Operating Procedures
- ✓ System Controls
- ✓ Management of Change



DO

- Stakeholder Engagement
- Operational Controls
- **Emergency Management**
- Training
- Recordkeeping

- ✓ Written Procedures
- ✓ Communication



DO

- Stakeholder Engagement
- Operational Controls
- Emergency Management
- **Training**
- Recordkeeping

- ✓ Communication
- ✓ Potential
Consequences



DO

- Stakeholder Engagement
- Operational Controls
- Emergency Management
- Training
- **Recordkeeping**

- ✓ Procedures & Programs
- ✓ Legibility/Readability

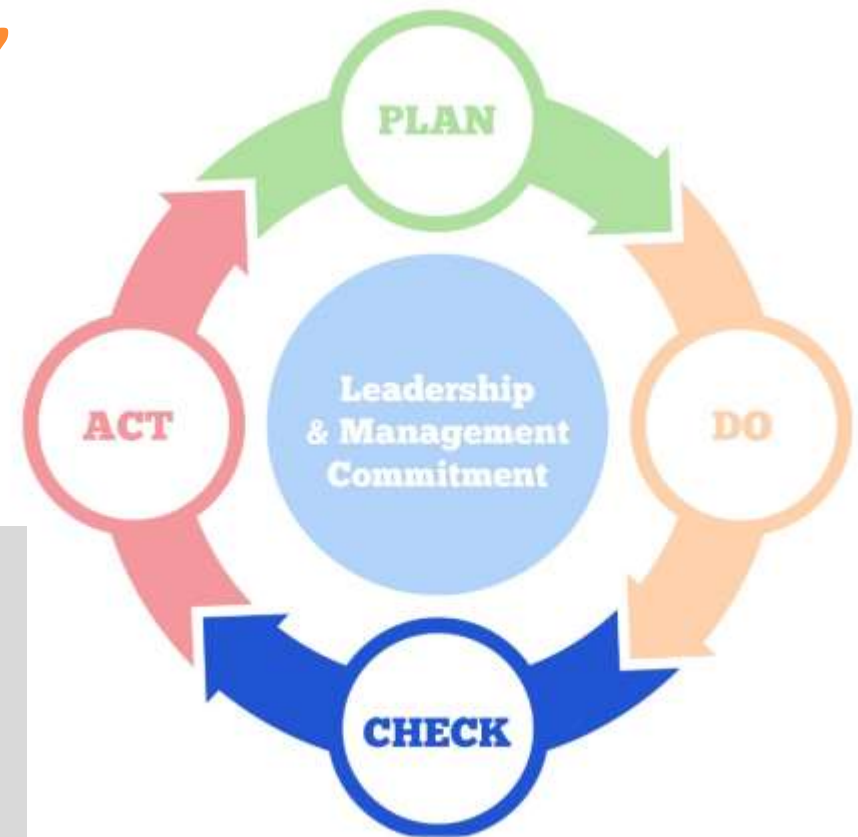


Some of My Why's



CHECK

- **Incident Investigation, Evaluation & Lessons**
- Safety Assurance



- ✓ Investigation of Accidents
- ✓ Lessons Learned

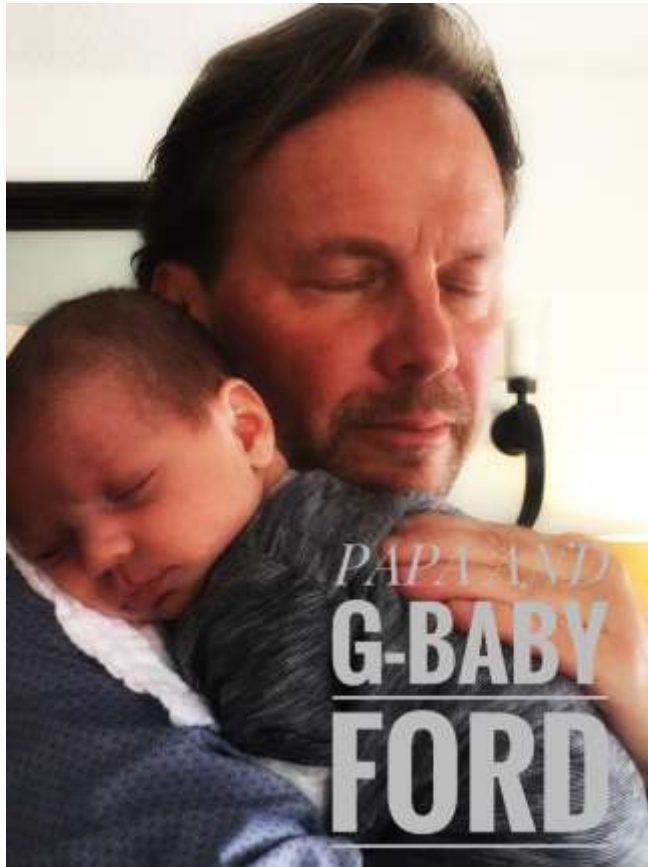
CHECK

- Incident Investigation, Evaluation & Lessons
- **Safety Assurance**

- ✓ Audits
- ✓ Response to Audit Findings



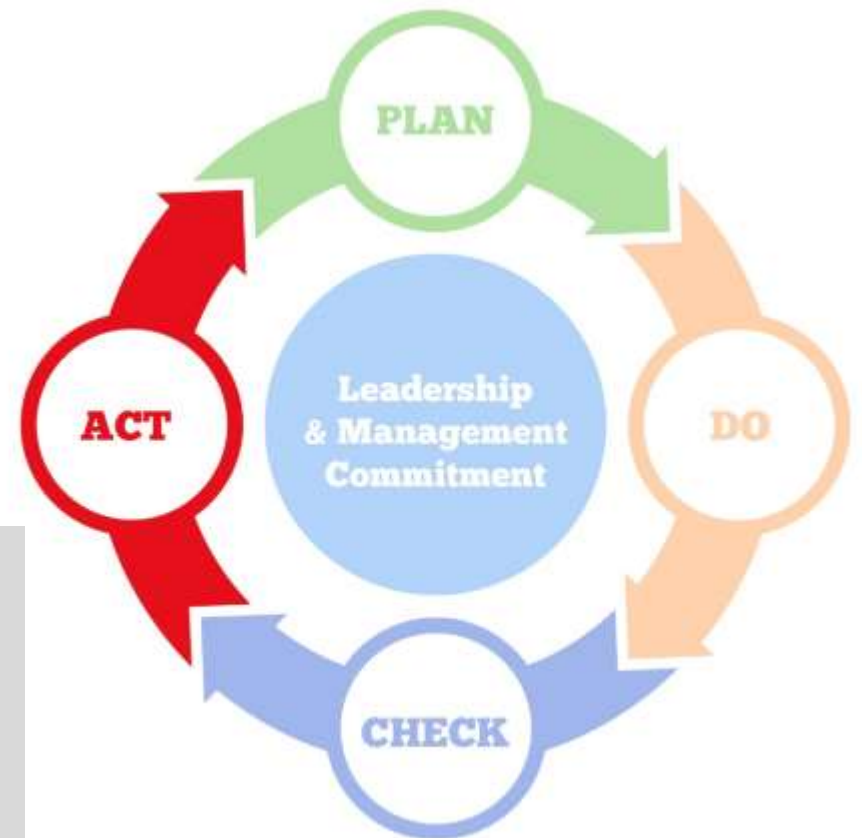
Some of My Why's



ACT

- **Management Review**
- Continuous Improvement

- ✓ Review Goals & Objectives
- ✓ Measure KPIs
- ✓ Audit Results



ACT

- Management Review
- **Continuous Improvement**

- ✓ Pipeline Safety Audit & Assessment
- ✓ Data Analytics
- ✓ Management Review



Some of My Why's



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PHMSA fully supports the implementation of RP 1173 and plans to promote vigorous conformance to this voluntary standard.

Written Statement of Administrator Marie Therese Dominguez before the House Committee on Transportation and Infrastructure on Pipeline Reauthorization, Feb 25, 2016

Thank You

