



U.S. Department  
of Transportation

**Pipeline and  
Hazardous Materials  
Safety Administration**

# **Regulatory (DOT) Pipeline Risk Management**

## **Pipeline Safety Trust**

**New Orleans, Louisiana  
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PHMSA Southwest Region**



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# RISK

- **Risk is an inherent part of life and is associated with all industrial activities.**
- **The overall risk of a pipeline can be reduced, controlled, or altered, but it cannot be reduced to zero.**
- **The process or result of reducing risks of one source or type can affect risks of another source or type**



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# Safety

**(n) safety (the state of being certain that adverse effects will not be caused by some agent under defined conditions) *"insure the safety of the children"; "the reciprocal of safety is risk"***

WordNet Princeton University



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- “Safety” is the protection of the public, the environment, and property.
- “Risk” is any threat to achieving those goals.

Risk Management Program Standard



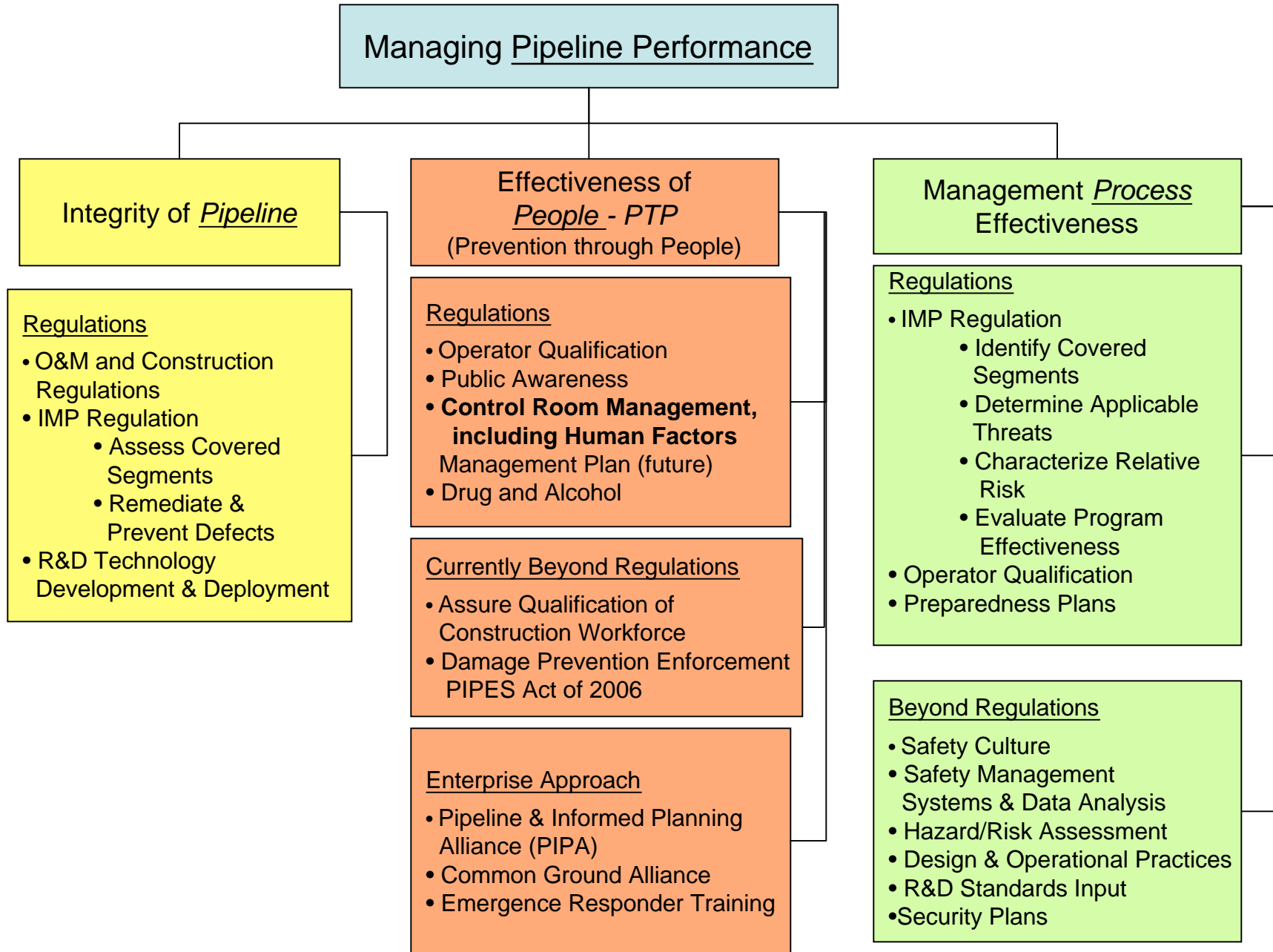
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# **Pipeline Safety Program Mission Statement**

**“To ensure the safe, reliable, and environmentally sound operation of the Nation’s pipeline transportation system.”**

# Elements Supporting Management of Pipeline Performance





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# Research & Development

**In FY 2006, DOT & DOI provided \$8.2 M in R&D Funding and industry provided an additional \$12.2M in co-funding. All projects were and are designed to promote pipeline safety.**

**Source:**

[http://primis.phmsa.dot.gov/rd/PSIA\\_2002\\_FY\\_2006\\_UpdateReportToCongress.pdf](http://primis.phmsa.dot.gov/rd/PSIA_2002_FY_2006_UpdateReportToCongress.pdf)



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<http://primis.phmsa.dot.gov/rd/index.htm>







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# Current Regulations

- 49 CFR Part 192, Subpart O - Gas Transmission Pipeline Integrity Management
- 49 CFR §195.452 – (Hazardous Liquid) Pipeline Integrity Management



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# Current Regulations

(continued)

**The best place to get the most recent 49 CFR Parts 190 – 199 and 49 CFR Part 40 (Alcohol & Drug Abuse Regs) is:**

**<http://ops.dot.gov/training/index.htm>**

- **click on “Regulatory Information”**
- **click on the part you want**



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# Statutory Requirement

**See also 49 USC §60126**

**Risk Management**

**(Requires DOT to do all the things  
previously described)**



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**THANK YOU!!**

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**Risk Management Program Standard**  
***For Use in the Pipeline Risk Management Demonstration Program***

Produced by

The Joint Risk Management Program Standard Team

The Office of Pipeline Safety

American Petroleum Institute

Interstate Natural Gas Association of America

National Association of Regulatory Utility Commissions

National Association of Pipeline Safety Representatives

Gas Research Institute

January 17, 1997

<http://www.cycla.com/opsiswc/docs/s8/p0005/RMProgramStandard.pdf>

Pipeline Safety Program