



National Energy
Board

Office national
de l'énergie

Safety Culture

Draft Definition and Framework

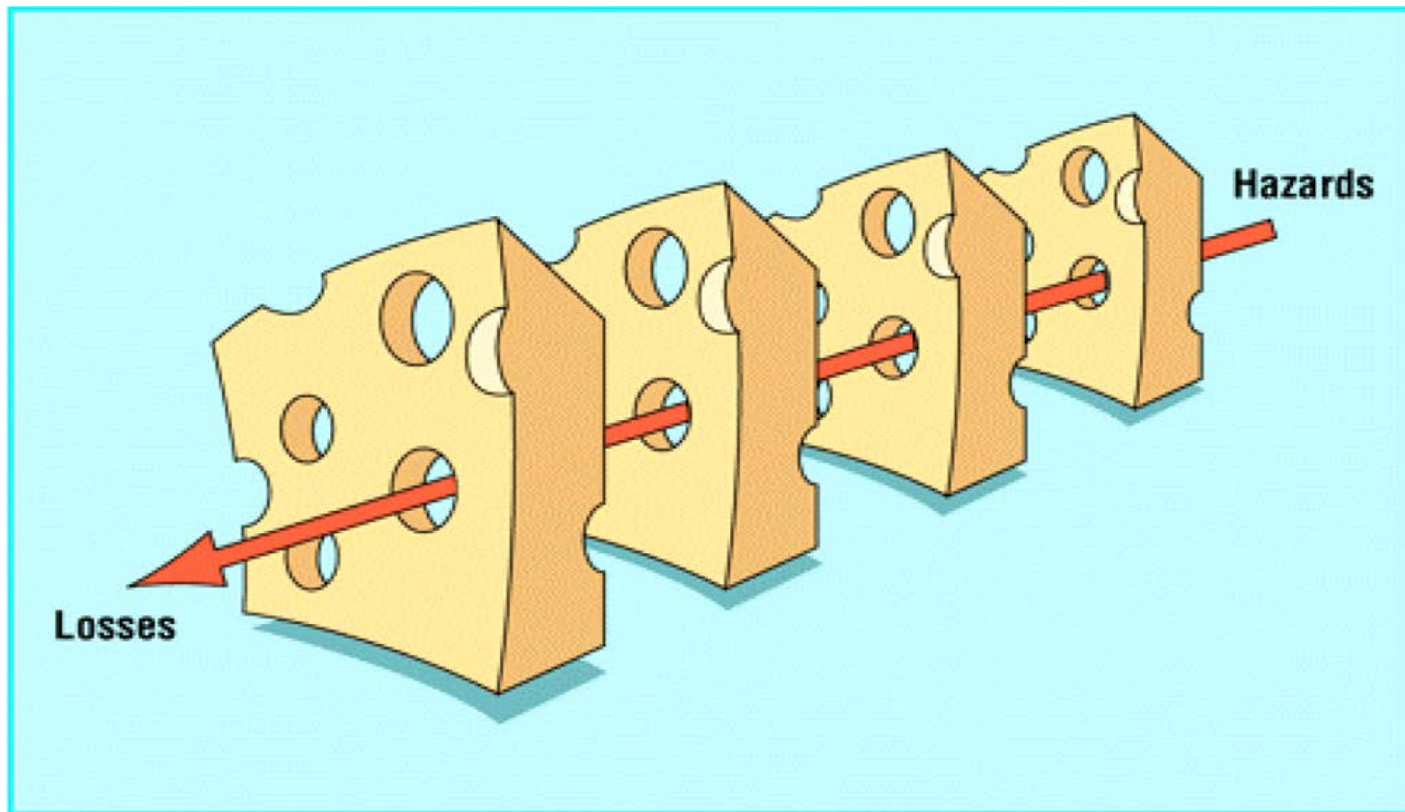
Patrick Smyth
Business Leader - Operations
February 2014

Organizational Accidents

- ▶ Rare events but catastrophic in effect
- ▶ Consequences are widespread
- ▶ Multiple defenses are breached
- ▶ Multiple causes involving many people
- ▶ Errors in judgment and decision-making present



How accidents happen



Background

Joint North America Regulators meeting identified shared interest in:

1. Building a shared understanding of the term *safety culture* among regulators and regulated companies;
2. Articulating clear regulatory expectations as they relate to safety culture; and
3. Collaborating on the development of reference and resource material for industry in order to provide clarity and consistency in terminology, and safety culture dimensions and attributes.



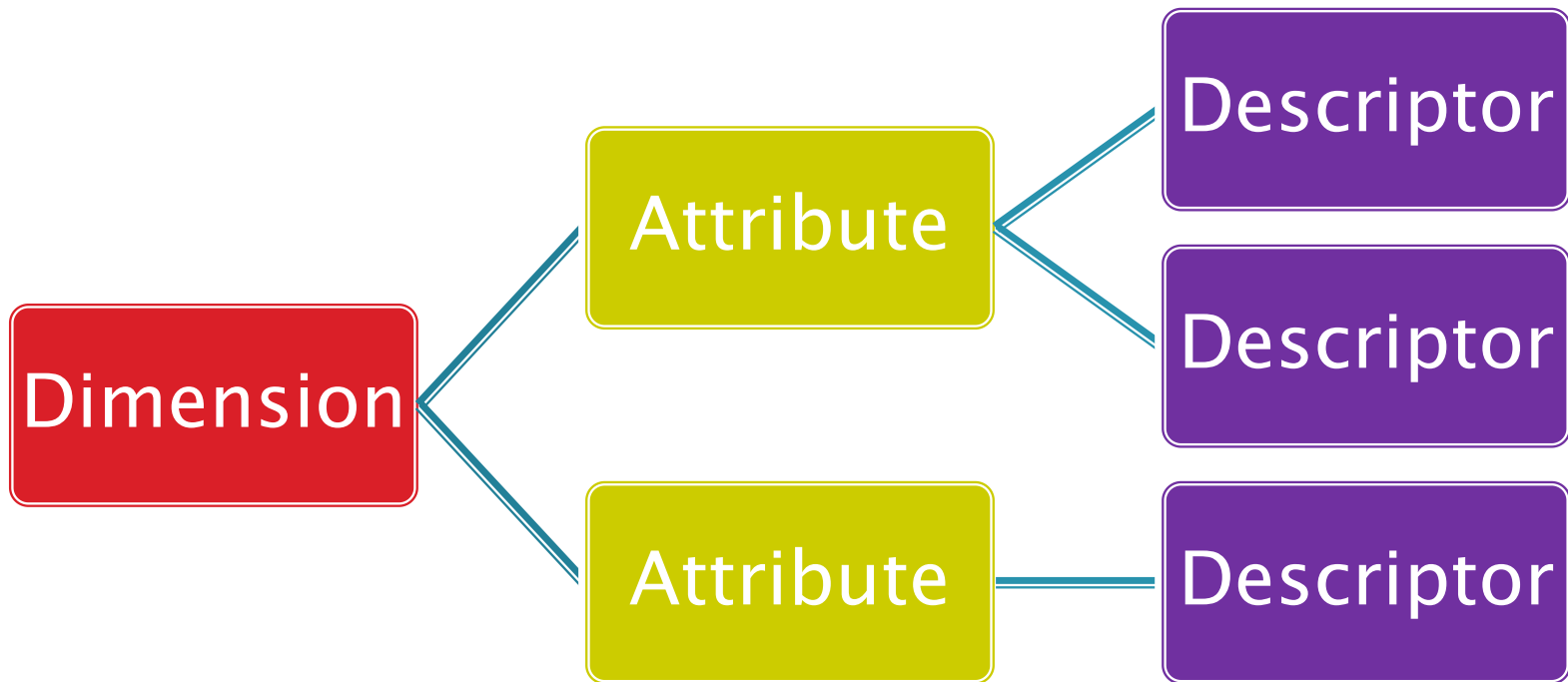
Draft Definition

*Safety culture means “the attitudes, values, norms and beliefs, which a particular group of people shares with respect to risk and safety”.**

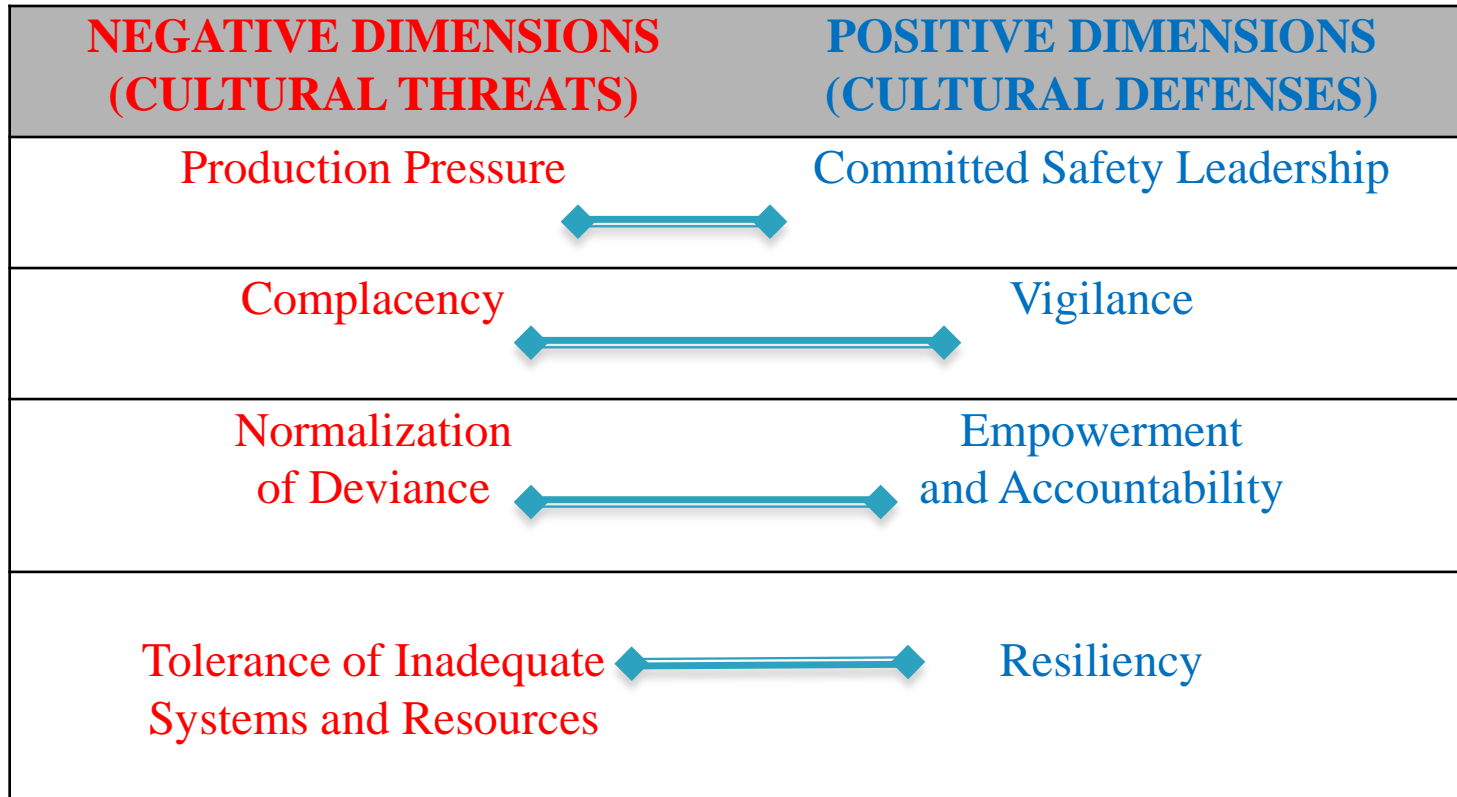
* Mearns, K., Flin, R., Gordon, R. & Fleming, M. (1998). Measuring safety culture in the offshore oil industry. *Work and Stress*, 12(3), 238-254. “Safety” includes safety of workers and the public, process safety, operational safety, facility integrity, security and environmental protection.

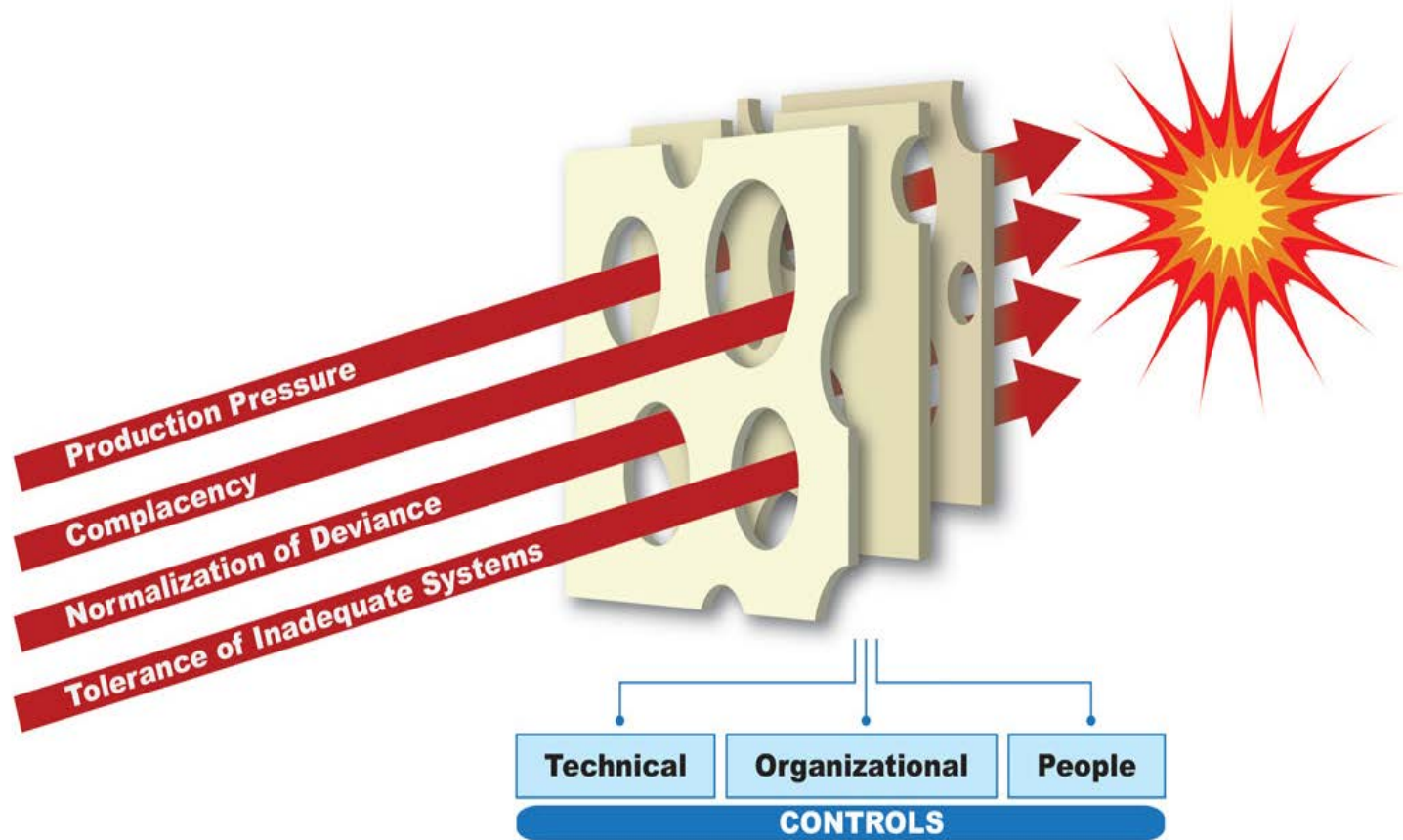


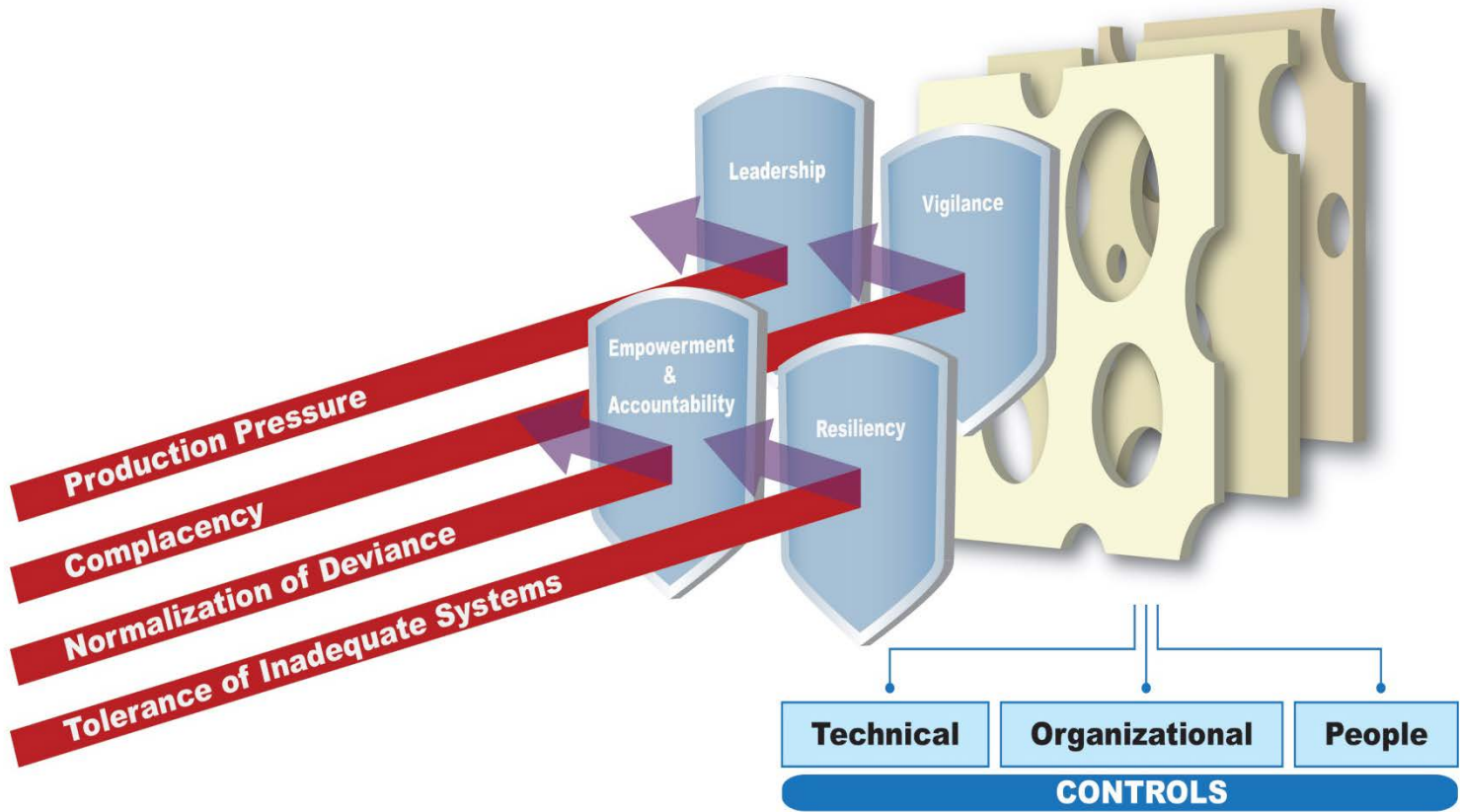
Developing the Framework



The Framework







Next Steps

- ▶ Consultation period concluded on 30 January 2014
- ▶ Consideration of comments and feedback received
- ▶ Following approval by the Board, a final version will be publicly released for information and awareness
- ▶ Additional tools will be developed based upon the final framework to support safety culture awareness and advancement
- ▶ In future, public reporting on outcomes and trends related to safety culture





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Advancing Safety in the Oil and Gas Industry - Draft Safety Culture Framework

[Draft Safety Culture Definition and Framework Released \[PDF 544 KB\]](#)

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Additional or future questions
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- ▶ 403-617-3952