

Risk Management Findings

Team #6

Recommendation for Industry:

- Risk Assessments should continue to be performed, and a process for communicating results to the workforce should be established
 - Goal is to identify and mitigate hazards (not a “check the box”)
 - **Communication is more critical than developing new tools**
 - Establish a mechanism to share learnings from previous events
 - Risk assessment results and lessons learned need to be disseminated in understandable fashion
 - Workforce should understand cause and effect (“why” as well as “what”)

Recommendation for Industry:

- IADC/API should review risk assessment methodologies using ISO documents as references to update API 14J, which offers guidelines for risk assessment
- Develop recommended practice (similar to methodology of API 14J) that focuses on risk assessment of escape and evacuation from offshore platforms and rigs
 - Also need to consider overall risk assessment for integrated production facilities to address interaction between downhole, surface systems, topsides of all structures/vessels involved
 - Also need to consider risk assessment of simultaneous operations between platforms, MODUs, and marine vessels
- Reliability Based Design is a recognized approach for mechanical design (including well design).

Recommendation for Regulator/Industry:

- Encourage (possibly anonymous) reporting of “near misses”? (perhaps similar to FAA voluntary program)
- Focus should be on identifying trends or patterns to aid in identification of potential hazards, root causes and mitigating factors
- Need to develop clear definition of what should be reported
 - Focus on process safety and well integrity

Recommendation for Regulator:

- Develop or adopt standardized reporting system to facilitate computer sorting/analysis of incident data.
 - Current system requires manual sorting/categorization of incident reports
 - Perform study to define data to be collected and means of reporting
 - Clear definition needed of what is to be reported
 - Possible utilization of commercially available systems
 - Evaluation/analysis of data provided as feedback to industry

Recommendation for Regulator:

- BSEE should consider commissioning one or more simulated scenario-based risk assessment conducted by third party (similar to DNV exercise commissioned by Norwegian Oil Association OLF).
- Possible scenarios:
 - Hydrocarbon release from deepwater floating rig
 - Analysis of new technology

Recommendation for Regulator

- ▶ Explore methods of establishing a more *collaborative* approach to working with industry. Dialog between regulators and industry is important to encourage continuous improvement and development of safety culture.