

Why Measure Safety Performance?

- Compare performance among IRF countries
- Identify changes over time are we improving?
- Focus IRF efforts where improvements are needed
- Provide benchmark for evaluating the effect of IRF collaboration



Performance Data is Available

Valuable Data Sources...

- Individual IRF countries incident data gathering, compiling, and publishing
- Industry organizations (i.e. IADC and OGP) compile incident data on a global basis
- International databases (e.g. WOAD)



Performance Data is Available

IRF data provides a unique perspective ...

- Data is comprehensive (all operators)
- IRF represents different offshore environments
- IRF represents different regulatory regimes
- Promote development of standard indicators and definitions



Performance Indicators

- Fatalities
- Major Injuries
- > 3 Days Lost Time
- 1-3 Days Lost Time

Per Million Hours Worked



Estimating the Cost of Injuries

Lost Time Injuries, CY 2006

- Major Injuries
- 3 Day Injuries
- 1-3 Day Injuries

2,072 Days

1,980 Days

+ 402 Days

4,454 Days

12.2 Man-Years Lost Time



Performance Indicators

Major HC Gas Release

Rate > 1 kg/sec for at least 5"
Amount > 300 kg

Significant HC Gas Release

Rate .1 – 1 kg/sec for 2-5" Amount 1 – 300 kg

Per Million BOE Production



Qualitative Information

HC Gas Release Summaries

- During separation plant maintenance = large release; large-scale evacuation
- After well perforation = cloud of gas covering main deck
- Leak from gas lift riser = gas entered safe and process areas; shutdown, muster, evacuation



Performance Indicators

- Fires
- Collisions
- Loss of Well Control

Per 100 Offshore Installations
Per 100 Well-Related Activities



Qualitative Information

Near Miss Summaries

- Traveling block assembly fell to drill floor = potential fatality, blowout
- Anchor dragged across subsea gas line
 potential > 800 kg gas release,
 explosion, fatalities
- Helicopter water landing = 15 crew in sea for 75 min; potential fatalities



Challenges

- Different reporting requirements --type and amount of information
 reported
- Availability of information for normalizing incident data (e.g. hours worked)
- Definitions -- clear enough to provide consistent reporting & categorization?



Status

- Compiled information for 2004-2006 (involved re-working 2004-05 data)
- Reviewing details of definitions and consistency of categorizations
- Establishing clear data quality parameters
- Several countries modifying reporting requirements



Revisions to Align with IRF Criteria

- Australia
- Canada Nova Scotia / Newfoundland
- Netherlands
- New Zealand
- United States



Summary

- We are encouraged by the progress we have made to date and anticipate more in the coming year
- We expect that these indicators will helps us assess our individual and collective safety performance
- We realize that understanding and improving safety performance involves more than measuring where we are; understanding hazards and predicting risk is also important

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