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Forum – March 2005

HOW COLLABORATION BETWEEN REGULATORS CAN IMPROVE OFFSHORE SAFETY

**THE INTERNATIONAL REGULATORS FORUM
&
NORTH SEA OFFSHORE AUTHORITIES FORUM**

Taf Powell + Iain Paterson + Melinda Mayes



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NORTH SEA OFFSHORE AUTHORITIES FORUM

Members are:

**NORWAY, DENMARK, THE NETHERLANDS,
UK, EIRE, SWEDEN, GERMANY,
FAROE ISLANDS,**

Occasional Members:

POLAND, ISLE OF MAN, FRANCE



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NSOAF

STANDING WORKING SUB GROUPS:

- **TRAINING**
- **HEALTH AND SAFTY ENVIRONMENT**



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Australia – National Offshore Petroleum Safety Authority



Brazil – Agência Nacional de Petróleo



Canada – Nova Scotia Offshore Petroleum Board
Newfoundland Offshore Petroleum Board



Netherlands – State Supervision of Mines



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New Zealand – Occupational Health and Safety Service of
Department of Labour



Norway – Petroleum Safety Authority Norway



United Kingdom – Health and Safety Executive



United States – Minerals Management Service
Department of the Interior



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IRF Activities

- Share technical information**
- Share incident data**
- Share intelligence on companies**
- Share regulatory policies**
- Support members change programmes/exchange personnel**
- Develop joint programmes of work**



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Globalisation of the Industry

- **Global structure of producers & drillers/contractors**
- **Diversity of safety performance within companies**
- **Adverse economic impact (accidents/unwanted events)**
- **Threats to sustainability in mature basins**



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CURRENT IRF PROGRAMME

- **NETWORKING (AS BEFORE)**
- **RECOGNISING SAFETY LEADERSHIP**
- **MANAGING HEAVY LIFTS**
- **INTERNATIONAL PERFORMANCE MEASUREMENT**



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MANAGING HEAVY LIFTS

Iain Paterson HSE



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- Offshore lifting is an international issue
- A collaborative approach to share best practice
- IRF Lifting project





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IRF lifting project

- 1) Identify lifting concerns,
- 2) Identify initiatives to address those concerns,
- 3) Identify benchmarks used to seek compliance with national legislation, e.g. codes and standards,
- 4) Identify the priority concerns,
- 5) Promulgate the findings, and to
- 6) Share best practice and develop effective solutions



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Questionnaire [x](#)

- Loading the supply boat at the dockside
- Transfer from supply boat to installation
- Deck to deck lifting operations
- Drill floor activities
- Generic issues
- Intelligence



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Top 5 priority issues

- 1) Training & competency of crane operators
- 2) Training & competency of signallers and slingers
- 3) Man riding using winches
- 4) Planning of lifting operations
- 5) Analysis of lifting accidents



Competence



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IRF Generic lifting report [x](#)

<http://www.mms.gov/cranes> [x](#)

HSE Offshore lifting strategy [x](#)



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The next step

- 6) Share best practice and develop effective approaches to deal with these priority concerns

Round table discussions?

Working group?

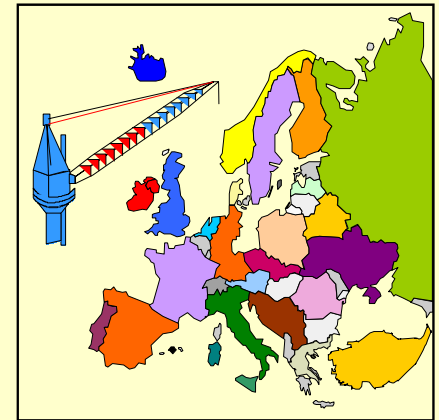


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Collaboration with OMHEC

(Offshore Mechanical Handling Equipment Committee)

Denmark, Netherlands, Norway, UK



- Training standard – for Offshore Crane Operator and banksman
- Enterprise of Competence standard
- Work in progress on crane maintenance



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INTERNATIONAL PERFORMANCE MEASURES

Melinda Mayes MMS



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Why Measure Safety Performance?

- Compare performance among IRF countries
- Identify changes in performance over time
- Focus IRF efforts where improvements are needed
- Provide a benchmark for measuring the effect of IRF collaborative efforts



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Safety Performance Data is Available

- Each IRF country compiles safety performance data for their own offshore area
- Industry organizations such as IADC and OGP compile safety performance data on a global basis
- These are valuable sources of safety performance data



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IRF Can Provide a Unique Perspective

- As regulators, IRF countries collect data from all operators in the areas under their supervision
- Current IRF countries represent four regions of the world



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Challenges To Developing Performance Measures

- Different reporting requirements among the authorities
- Different data collection and categorization practices
- Availability and source of data for normalizing



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IRF Performance Measures

- Fatalities
- Major Injuries
- Lost Time Injuries
- Total Injuries

Per Million Hours
Worked



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IRF Performance Measures (cont'd)

<input type="checkbox"/> Collisions <input type="checkbox"/> Fires/Explosions <input type="checkbox"/> Installation Damage	Per Number of Offshore Installations
<input type="checkbox"/> Loss of Well Control	Per Number of Well-Related Activities.



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IRF Performance Measures (cont'd)

Hydrocarbon Releases

- Liquid Releases
- Liquid Release Amount
- Gas Releases
- Gas Release Amount

Per Number of Producing
Facilities



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IRF Performance Measures (cont'd)

Near Misses	Collection of Descriptive Information Only
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Status of IRF Performance Measures

- Currently collecting data for CY 2003 using the measures; refinements will be made if needed
- Initially, calculated performance measures will be for internal IRF use only
- However, IRF looks forward to sharing the information in the future



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Advantages of Safety Performance Measurement to the IRF

- Provides a consistent measure of performance
- Provides a way of comparing performance
- Provides a benchmark for improvement
- Helps focus our collaborative efforts



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COLLABORATION: WHERE NEXT

- **Join with wider network of regulators to have better understanding of key programmes (such as lifting..)**
- **Better understanding of difference of performance in different world regions**
- **Help raise standards of lowest performers to standards of best performers – not just in the 9 IRF regions**



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Recognition
?

Performance
measures
?

Lifting
?