Improving performance: A Global approach

Stuart Smith – NOPSEMA CEO
DP Asia Conference – Singapore, 4 July 2017
Introducing NOPSEMA
Who we are

• An independent statutory regulatory authority
• Established under the Commonwealth *Offshore Petroleum and Greenhouse gas Storage Act 2006*
• Created in 2005 with additional functional areas added in 2010 and 2012
What we regulate

- Safety
- Facilities
- Integrity
- Wells
- Environment
- Activities
Safety at Facilities

Production, Accommodation, Drilling, Pipelay, Construction, Decommissioning
Improving performance
Safe and environmentally responsible Australian offshore petroleum and greenhouse gas storage industry
Performance improvement framework

Increasing performance

High

Low

Information reach

Local
National
International
Global

Goal setting
National Stds
Minimal Prescription

NOPSEMA

International Standards and Regulators

NOPSEMA

Leveraging:
Global Stds
Big Data
IRF

World Class

Hearts & Minds
Continual Improvement

Leveraging:
IRF
Example 1 – Car Seals

1st Inspection identifies issue

Recommendation

Next inspection identifies the issue is unresolved & systemic

Enforcement (Facility Operator)
Example 2 – 3rd party equipment

Operator

Supplier

Titleholder

Enforcement

Consider

Inspection identifies significant issue

PUBLISHED

Operator

Notice

Supplier

Titleholder

4 July 2017

4 July 2017

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Example 3 – DP Incident (i)

Incident

Investigation identifies issues

Recommendations (Operator & Manufacturer)
Example 3 – DP Incident (ii)

US CG: Incident

UK HSE: Incident

NOPSEMA

Likelihood

Low

High
Example 3 – DP Incident (iii)

2005: “Two pushes of the stand-by button took place within the allowed 4 seconds through a clipboard being put on the DP console”

2009: “Main Cause Human error – Placing of logbook on surge switch”

2013: “a clipboard was placed on the DP desk which resulted in the fore/aft surge button being inadvertently pressed”

2013: “DPO inadvertently pressed the joystick button with the logbook he was reading from”

2014: “Initiating Event: Auto DP was deselected when the rough DP logbook was placed on the DP control desk”
Example 3 – DP Incident (iv)

Next steps

- Planned inspections
- Promotion & advice
- Ongoing regulator liaison (US CG & UK HSE)
- Discuss at next IRF Annual Meeting
Industry Challenge

Increasing performance

High

Low

Leveraging:
- Global Stds?
- Big Data?
- Industry Associations?

World Class

Local
National
International
Global

Hearts & Minds
Continual Improvement

Information reach
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