NOPSEMA & standards

Cameron Grebe – Head of Division, Environment
NERA Standards Showcase – Perth, 22 November 2018
Introducing NOPSEMA
• 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 2011 (Well Integrity) and 2012 (Environment).
What we regulate

- Safety
- Facilities
- Integrity
- Wells
- Environment
- Activities
Monitor and secure compliance

Assess Permissioning documents

Inspections
- Permissioning document commitments
- Incident investigations

Enforcement

How we work
- Promote
- Advise
- Cooperate
- Report
NOPSEMA & Standards
Objective based
  – reduce risk to a level that is ALARP (and acceptable for EPs)

Permissioning documents
  – Content requirements prescribed
Industry’s use of standards

- Technical focus
- Underpinning ALARP arguments
- Throughout project lifecycle
• Process/methodology focus
• Good industry practice
• Promote in publications:
  – Guidance notes
  – Information papers
  – Regulator
  – Alerts
* NOPSEMA promotes a range of publications (including standards, guidelines recommended practices etc) that NOPSEMA considers represent good industry practice.
23 NOPSEMA Publications
66 Cited Publications
114 Citations

Coverage by discipline

Safety

Environment

Well Integrity

- IEC
- CPS
- IChemE
- Institute of Remote Health Care
- appea
- DMV
- WorkSafe
- OIL&GAS UK
- norsock
- World Health Organization

- ISO
- API
- STANDARDS Australia
- IPIECA
- OGP
- Department of Energy & Climate Change
- ITOPE
- IMO
Well integrity study

- IRF research project into well related standards
- Identified gaps, lack of clarity, inconsistencies etc
- Opportunities for improvement e.g. in:
  - Drilling
  - Cementing
  - Well Barriers
  - Suspension & abandonment
Well Barrier Workshop: Nov 2018

Titleholders

Well Integrity incident
Classification
Reporting To NOPSEMA

NOPSEMA

Data
Interpretation

Fragmented, poor quality feedback

Quality? Reliability?
Global Opportunity

Well Integrity incidents

Classification

Consistent Reporting

Global Industry

e.g.: ISO 16530

Global Platform

Risk Reduction Opportunities

Interpretation not required

Reliable Quality Data

Global Industry

Well Integrity incidents

Classification

Consistent Reporting

Global Platform

Risk Reduction Opportunities

Interpretation not required

Reliable Quality Data
So what is required?

- Improvements in Safety, Well Integrity and Environmental Management
- Industry leadership
- A collaborative approach
- Industry recognition of the potential gains from adopting a common set of standards
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