

# NOPSEMA Update

DrillSafe - 5 March 2015

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- NOPSEMA 2015
- Regulatory Activity 2014
- Facility Inspection Topics & Issues
- Emergency Preparedness

- Stakeholder engagement
- Maintaining OHS / structural integrity standards in a challenging economic environment
- State waters conferral of powers to NOPSEMA
- International Regulator's Forum
- Triennial independent review of NOPSEMA

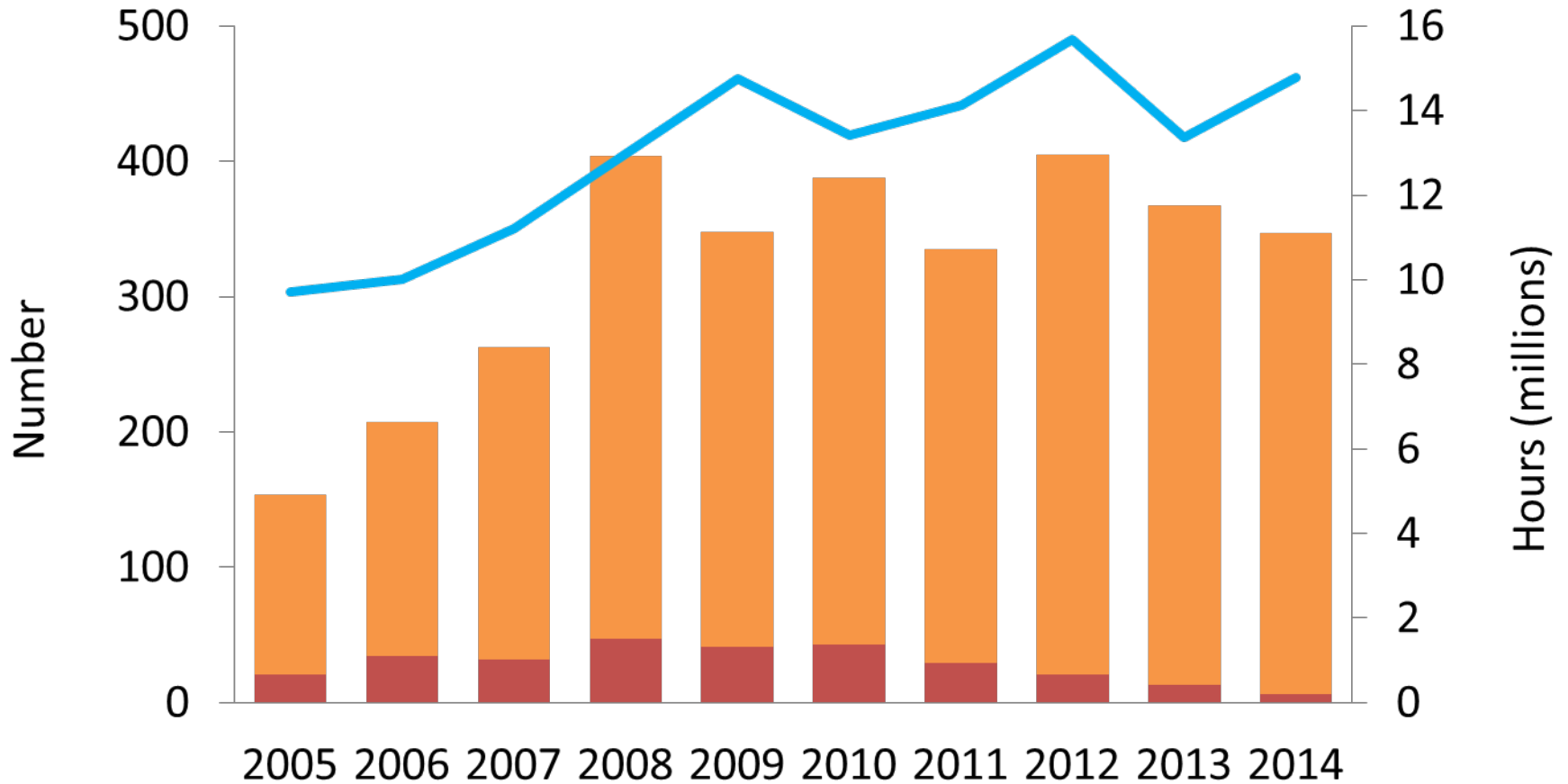
# Regulatory Activity 2014

- NOPSEMA's industry performance datasets are generated from duty holder submissions
- The datasets and NOPSEMA's analyses are made available to all stakeholders in multiple formats
- NOPSEMA will be regularly publishing a larger suite of charts alongside our quarterly and annual tables on our website.

Facility Group	Industry TOTAL
Platforms	32
FPSOs	11
MODUs	12
Vessels	17
Pipelines	76
TOTAL	148 *


*Based on data at end 2014.*

*\* Numbers fluctuate slightly as facilities enter and leave the regime e.g. mobile facilities and inactive facilities*



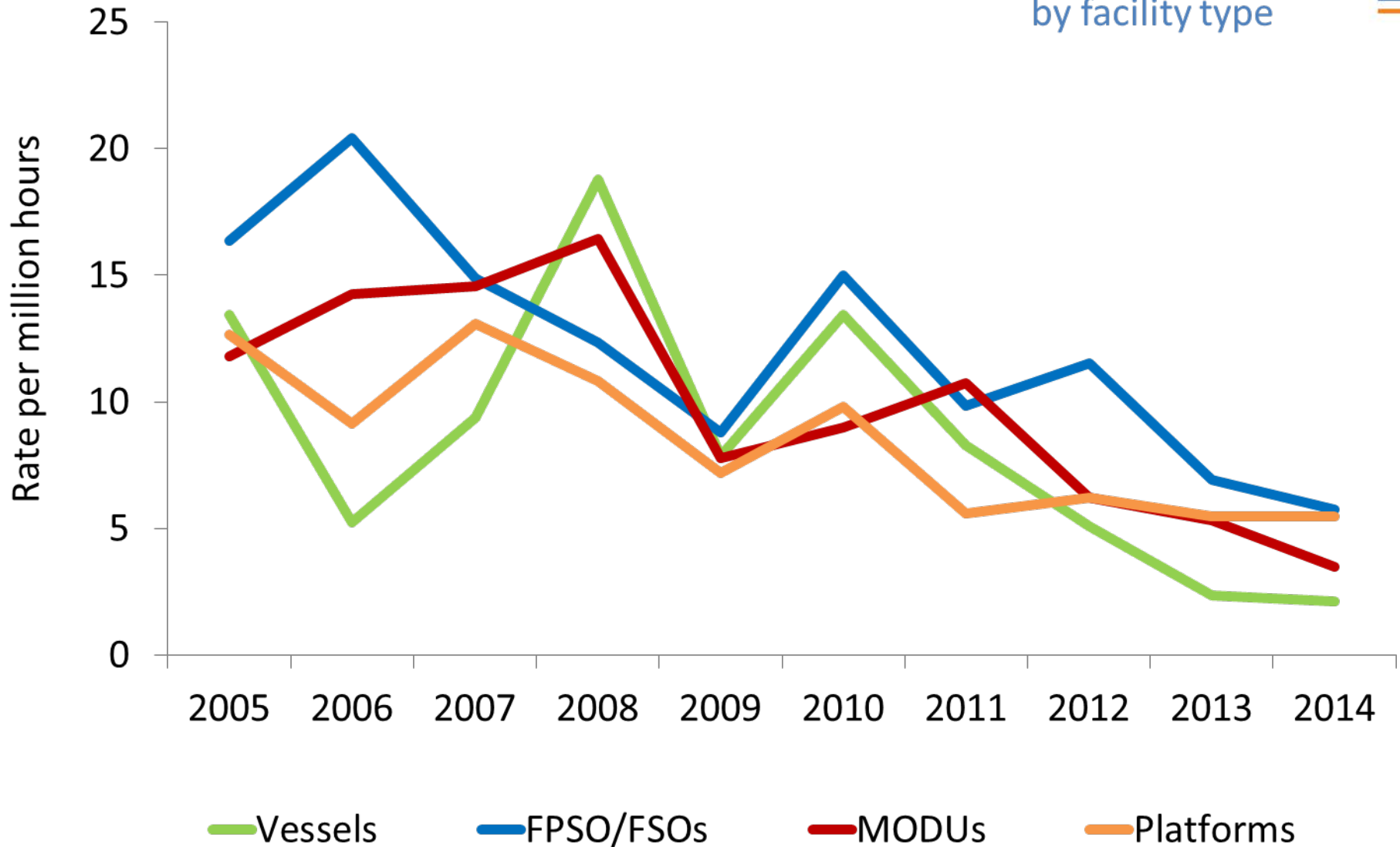
 Dangerous occurrences

 Accidents

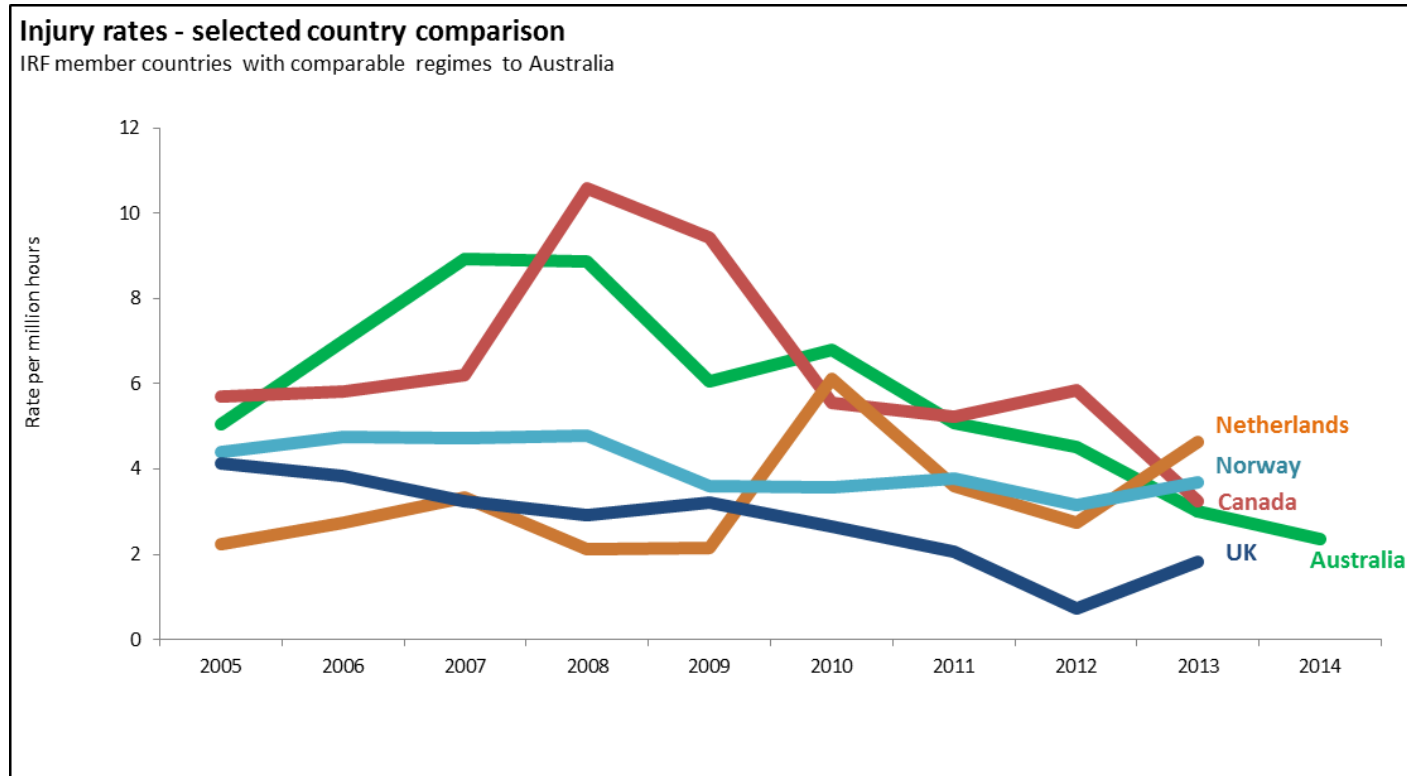
 Total hours worked

# TRC Rates

by facility type







	<b>Incident Category</b>	<b>Industry Total</b>	<b>MODU Total</b>	<b>MODU %</b>
1	Death or Serious Injury	1	1	100%
2	Incapacitation $\geq$ 3 days LTI	5	1	20%
3	Could have caused death or serious injury	28	13	46%
4	Could have caused incapacitation $\geq$ 3 days LTI	9	3	33%
5	Damage to safety-critical equipment	76	4	5%
6	Fire or explosion	8	5	62%
7	Other kind needing immediate investigation	21	6	29%

- 46% of all high potential incidents attributed to MODU's
- Dropped objects continue to dominate the statistics
- Hand injuries are still prevalent

ALL OPERATORS 2014		MODU OPERATORS 2014	
<b>Design</b>	<b>20%</b>	<b>Procedures</b>	<b>22%</b>
<b>Preventative Maintenance</b>	<b>15%</b>	<b>Human Engineering</b>	<b>14%</b>
<b>Procedures</b>	<b>14%</b>	<b>Design</b>	<b>13%</b>
<b>Human Engineering</b>	<b>11%</b>	<b>Work Direction</b>	<b>10%</b>
<b>Equipment Parts / Defects</b>	<b>10%</b>	<b>NA or None</b>	<b>9%</b>
<b>NA or None</b>	<b>7%</b>	<b>Equipment Parts / Defects</b>	<b>9%</b>
<b>Work Direction</b>	<b>6%</b>	<b>Preventative Maintenance</b>	<b>8%</b>

# Inspection Topics and Issues

- 21 MODU Inspections in 2014
  - Dropped Objects
  - Maintenance
  - Well Control Equipment
  - Lifeboats
  - Emergency preparedness/medivac

- **Dropped Objects**
  - Compliance with procedures
  - Operators own inspections
  - Corrosion & secondary retention
- **Maintenance**
  - Backlog & deferral
  - Training in computer based maintenance systems
  - Implementation of Performance Standards

- **Well Control Equipment**
  - Maintenance requirements of API RP or STD 53 in line with safety case commitments
  - Maintenance deferrals and Performance Standards
- **Lifeboats**
  - Adequacy of lifeboat provision
  - Inspection & testing arrangements
- **Emergency Preparedness**
  - Workforce awareness of procedures
  - Evacuation contingencies for remote locations
  - Implementation of Performance Standards



# Emergency Preparedness

Operators have **specific duties** under the OPGGS Act:

.....to take all reasonably practical steps to implement and maintain appropriate procedures and equipment for the control of , and response to, emergencies at the facility

The **safety case** needs to adequately address emergency preparedness:

- Describe a response plan to address possible emergencies identified in the FSA
- Provide for the implementation of the plan

## The Emergency Response Plan must:

- (a) **specify** all reasonably practicable steps to ensure the facility is safe and without risk to the health of persons likely to be on the facility at the time of the emergency; and
  
- (b) **specify** the performance standards that it applies.

- The plan must have **performance standards** that specify emergency system requirements.
- For example:
  - Emergency shutdown
  - Disconnect capabilities
  - Escape and evacuation timeframes
  - Response time to reach a hospital with an appropriate level of capability (Primary Care Hospital).

- The plan must provide for the appropriate medical care of the facility workforce for foreseeable scenarios (illness or injury)
- Operators should be able to demonstrate that they have assured themselves of the adequacy of selected onshore support capability
- The plan shall include worst case scenarios like multiple casualties and full facility evacuation

# NOPSEMA 2015

- **Legislative changes**
  - Wells Regulations under review by DoS  
Amendments anticipated by end 2015
- **Continue focused topic inspection programme**
  - BOP & Associated Well Control Equipment
  - Performance Standards
  - Management of Change
  - Workforce Involvement



[www.nopsema.gov.au](http://www.nopsema.gov.au)

- Annual Report (May 2015)
- Regulator' –quarterly e-publication
- Guidance Notes and Guidelines
- Safety Alerts
- Information Papers – Human Factors

# QUESTIONS?