

Software Delivery and NOPSEMA

Who we are

What we do

What we need

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5th December 2018

- About NOPSEMA
- Software Delivery at NOPSEMA
- What we need to do
- What services we need

About NOPSEMA

NOPSEMA's Vision and Mission

In relation to the Offshore Petroleum and Greenhouse Gas industries:

Vision

Safe and environmentally responsible...

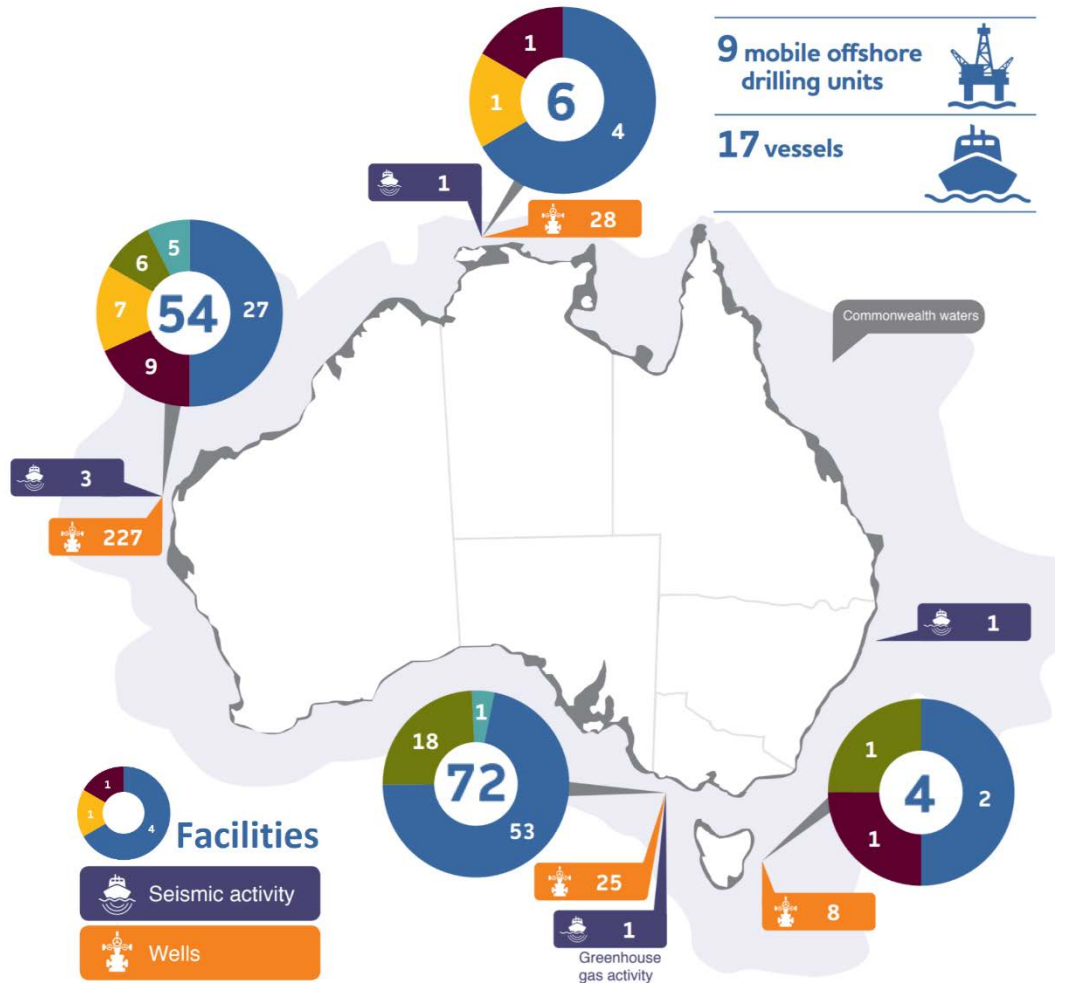
Mission

To independently and professionally regulate...

SAFETY

INTEGRITY

ENVIRONMENT



- **Assessment**
- **Inspection**
- **Investigation**
- **Enforcement**
- **Promote and advise**

- **Report and publish**

2005

NOPSA Established – Safety case regulations

2011

Well integrity regulations

2012

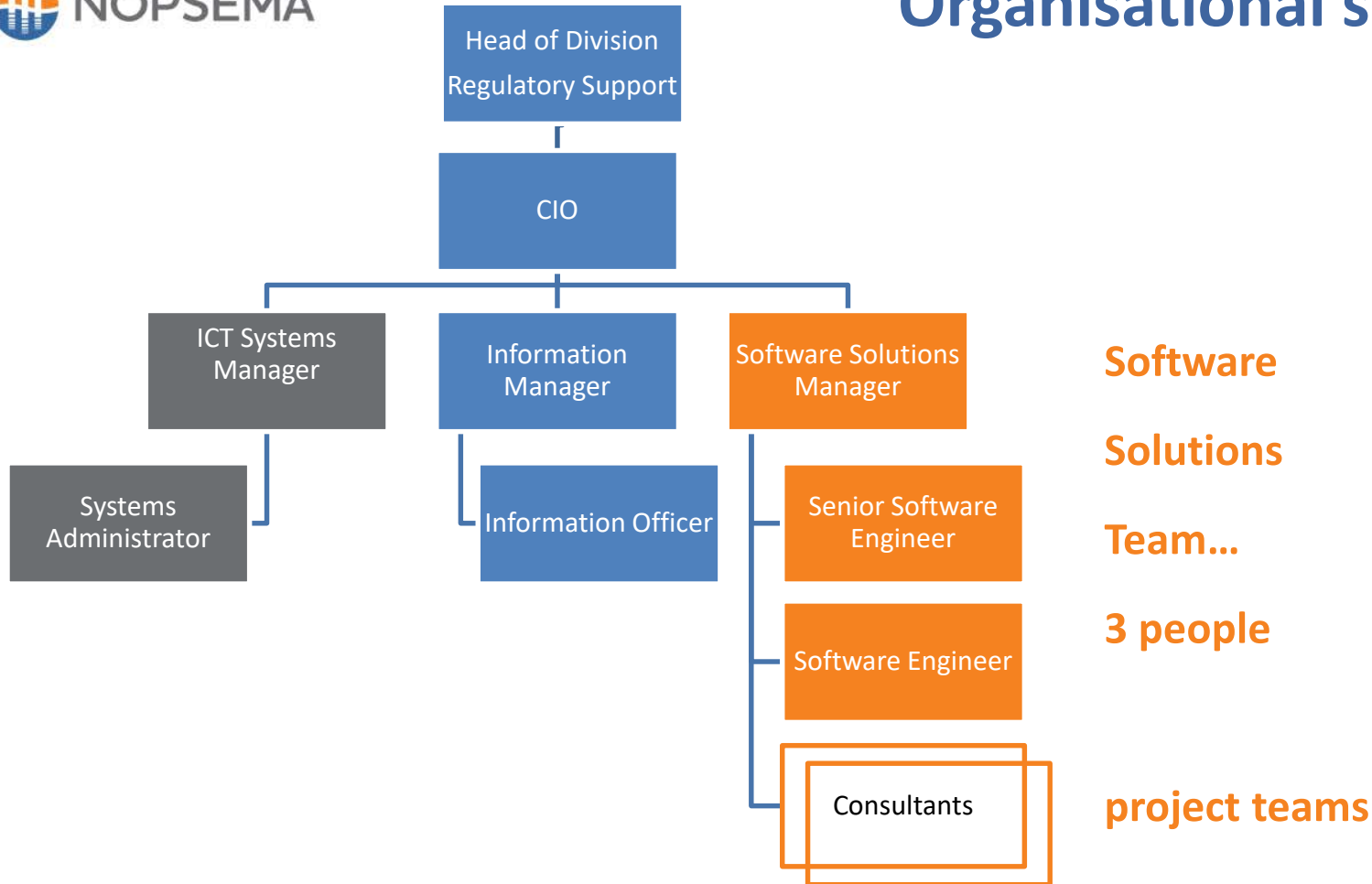
NOPSEMA Established – Environment plan regulations

2014

EPBC streamlining, OPP assessments

2019

Transparency amendments



Software Delivery at NOPSEMA

Regulatory Management System

- **RMS**
- **Track and manage regulatory activities**
- **System of record**
- **Record findings and decisions**
- **10 years since it was conceived**

- **Internal process management**
- **Submission of documents**
- **Publication of information**
- **Search**
- **Subscriptions**
- **SAAS and open source products**

Technology and tools

- **Ruby on Rails on Linux**
- **Agile principles**
- **Continuous delivery and devops**
- **Microsoft reporting tools**
- **Silverstripe web CMS**
- **In the cloud and the data centre**

- **Relatively diverse ecosystem**
 - **Monolithic applications**
 - **Not well integrated**
 - **Long lived, slowly evolving**
- **Flexible, fast turnaround**
- **Operationally efficient**
- **Technological opportunities**

Operations

- **Keep the lights on**
- **Enhance and maintain**

Deliver projects

- **Regulation changes**
- **Forward thinking senior management**

What we need to do

To assist NOPSEMA to continuously improve its effectiveness and capability as a regulator.

Maintain capabilities and pursue continuous improvement of ICT systems and services

- Agile project delivery
- Security risk management
- Innovation, proactive response to change

- **Where we want to be**
 - Integrated and Automated
 - Compliant and secure
 - Flexible and adaptable
 - Capable of taking those technological opportunities

- **Proposals**
 - Advanced analytics
 - Online services
 - Mobile inspection devices
 - APIs
 - Stakeholder engagement

What services we need

- **What we are looking for in a new partner**
 - Knowledge, expertise and real-world experience
 - Flexibility
 - Innovation, proactivity
 - Learn our business
 - Do the basics really, really well
 - Plan, design, build and operate for the long term

- **People**

- Software delivery experts to work onsite alongside our staff (preferably returning)
- Business analysts, project managers, architects, etc.

- **Strategy**

- Evaluate and advise on solutions and technical direction
- Contribute to strategic planning

- **Help us evolve and adapt**

Timeline – Software Delivery

Information sessions	5 December 2018 23 January 2019
Issue RFT	28 January 2019
Evaluation period	March 2019
Contract negotiation	April 2019
Sign contract	April 2019
Commence contract	6 May 2019

Questions?