Software Delivery and NOPSEMA

Who we are
What we do
What we need

John Townsend – Chief Information Officer
Mike Waters – Software Solutions Manager

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...
Regulatory Activities

- Assessment
- Inspection
- Investigation
- Enforcement
- Promote and advise
- Report and publish
Regulations

- **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
Other Applications

• 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
Technology and tools

• Relatively diverse ecosystem
  • Monolithic applications
  • Not well integrated
  • Long lived, slowly evolving
• Flexible, fast turnaround
• Operationally efficient
• Technological opportunities
What we do now

Operations
- Keep the lights on
- Enhance and maintain

Deliver projects
- Regulation changes
- Forward thinking senior management
What we need to do
Software Solutions in the Corporate Plan

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
Software solutions – road map

• Where we want to be
  • Integrated and Automated
  • Compliant and secure
  • Flexible and adaptable
  • Capable of taking those technological opportunities
Software solutions – proposals

• Proposals
  • Advanced analytics
  • Online services
  • Mobile inspection devices
  • APIs
  • Stakeholder engagement
What services we need
Software solutions – what we want

• 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
Software solutions – services

• 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

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Information sessions</td>
<td>5 December 2018</td>
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<tr>
<td></td>
<td>23 January 2019</td>
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<tr>
<td>Issue RFT</td>
<td>28 January 2019</td>
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<tr>
<td>Evaluation period</td>
<td>March 2019</td>
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<tr>
<td>Contract negotiation</td>
<td>April 2019</td>
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<tr>
<td>Sign contract</td>
<td>April 2019</td>
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<tr>
<td>Commence contract</td>
<td>6 May 2019</td>
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Questions?