

PAJ Symposium

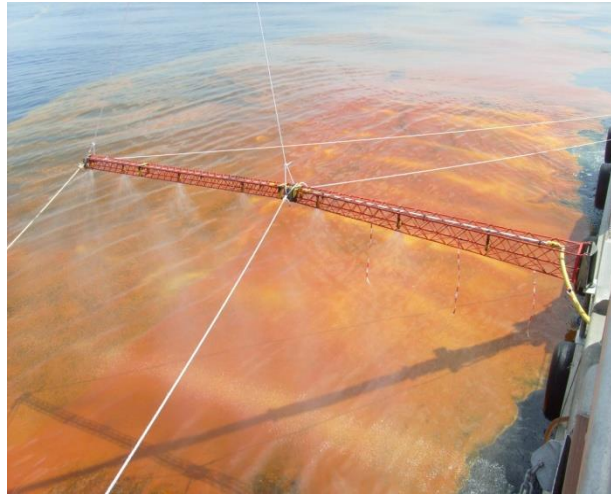
Maintaining future effective preparedness against oil spills

An Australian Oil Spill Response
Organisation perspective



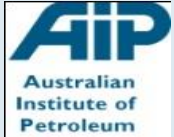
Scope

- discuss the Australian setting
- discuss shaping factors around preparedness and response to oil spills in Australia



The sector

Industry Associations



Industry;
Oil & Gas
Shipping

Regulators



Response Organisations



States



Operating environment

- **Petroleum exploration and production:**

- Static well drilling activity in WA in 2016
- Increasing exploration activity from 2017 onwards [depending on per/bbl price]
- Commencing well drilling activity in Great Australian Bight in 2016
- Increasing LNG development in WA (including floating LNG production) from 2017
- Consolidation of Regulatory requirements for E&P
- Risk change from Crude production into gas/condensate
- Continued Federal Government streamlining of regulatory processes around environmental approvals
- Increasing number of 'smaller' operators and potential Associate members for AMOSC

- **Refining:**

- 4 Australian refineries [Geelong, Altona, Lytton, Kwinana] through to 2019



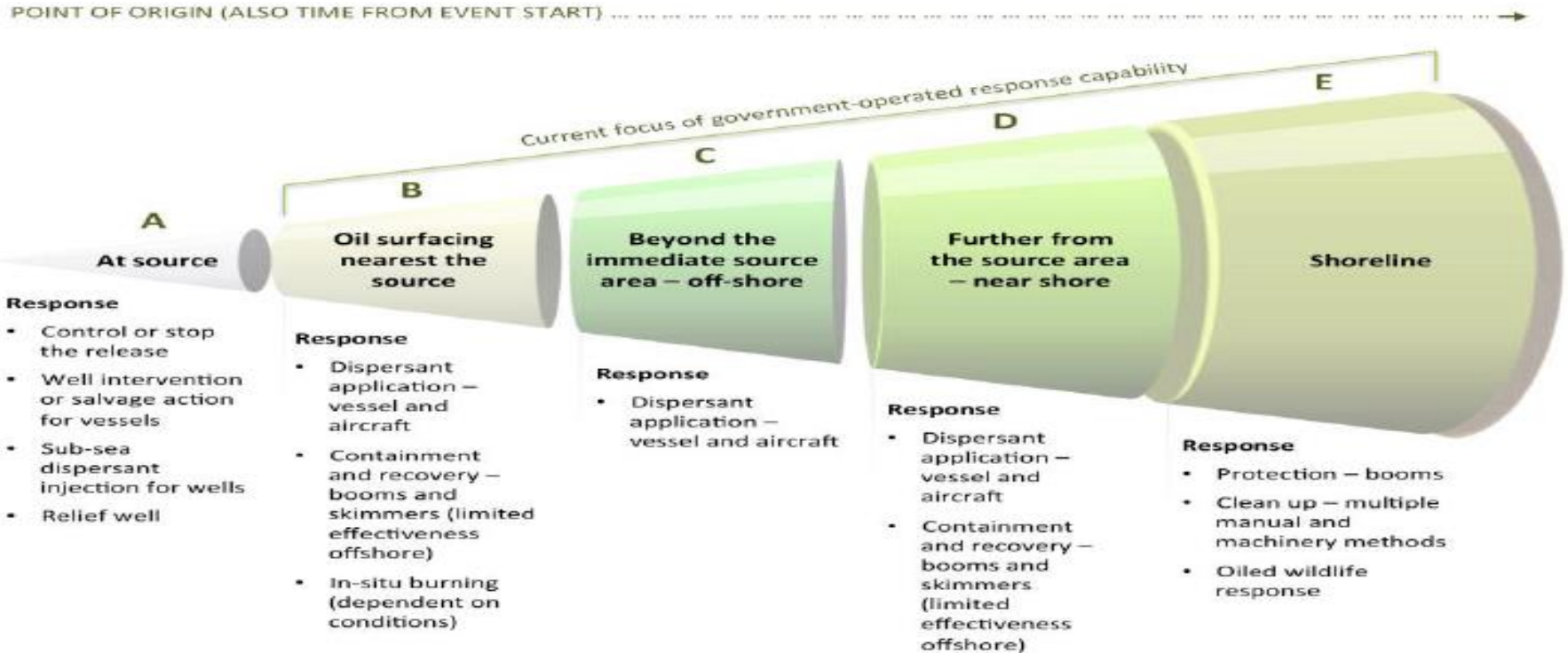
Operating Environment cont'd

Shipping:


- Increasing shuttle tanker activity
- Increasing product shipments into North Australian ports
- Greater terminal activity and increased product shipments
- Move from HFO to IFO180CSt & higher distillate fuels for bunkers from 2016
- 'Freeloaders' in the shipping sector on the industry spill response network
- Decreasing State assistance & motivation for spill preparedness & response activities
- Increased risk for shipping based incidents requiring industry assistance
- Establishment of Emission Control Areas (ECA) or equivalent around the Australian coast



Response Continuum (courtesy Maritime NZ)



So what?

- ‘Status Quo’ demand on AMOSC support for 2016
 - Increasing support to downstream for spill response advice following staffing cuts in Member companies
 - Increasing support for mutual aid and member equipment maintenance/storage support [new regulatory push into equipment/resources testing arrangements]
 - New areas of development including:
 - potential new cost sharing initiatives
 - increased number of response contracts similar to Trajectory Modelling & Aerial Dispersant
 - Once bbl prices increase, AMOSC predicts there will be an increase sought by E&P companies for training, advice & planning
- 

Net Effects on preparedness

- Mutual aid becoming very important
 - AMOSC coordinates its Core Group of 120 company personnel
- Joint exercising to save redundancy and individual exercising
- Potential for de-investment by upstream into preparedness due to lack of exploration activities
 - Less emphasis on subsea issues?
- Continuing investment (not increasing) by downstream sector



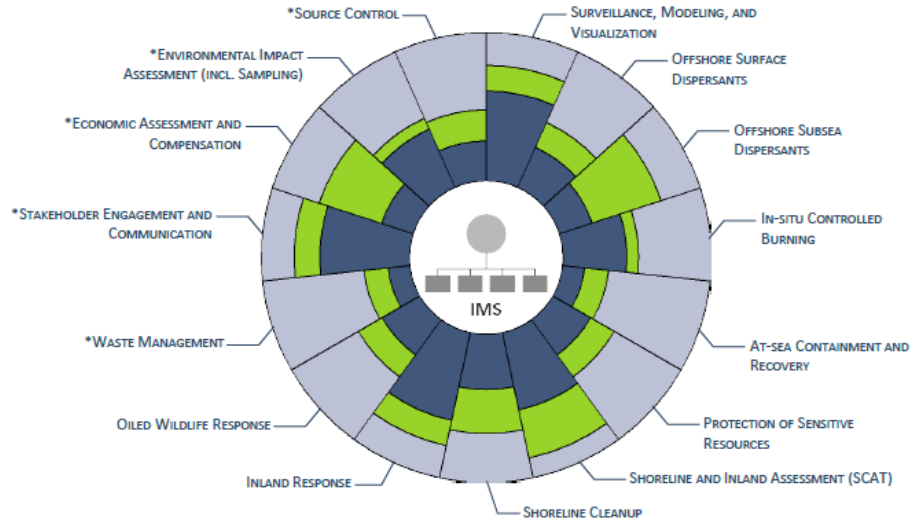
Tiered preparedness & response (JIP TPG)



CAPABILITIES OF TIERED PREPAREDNESS AND RESPONSE



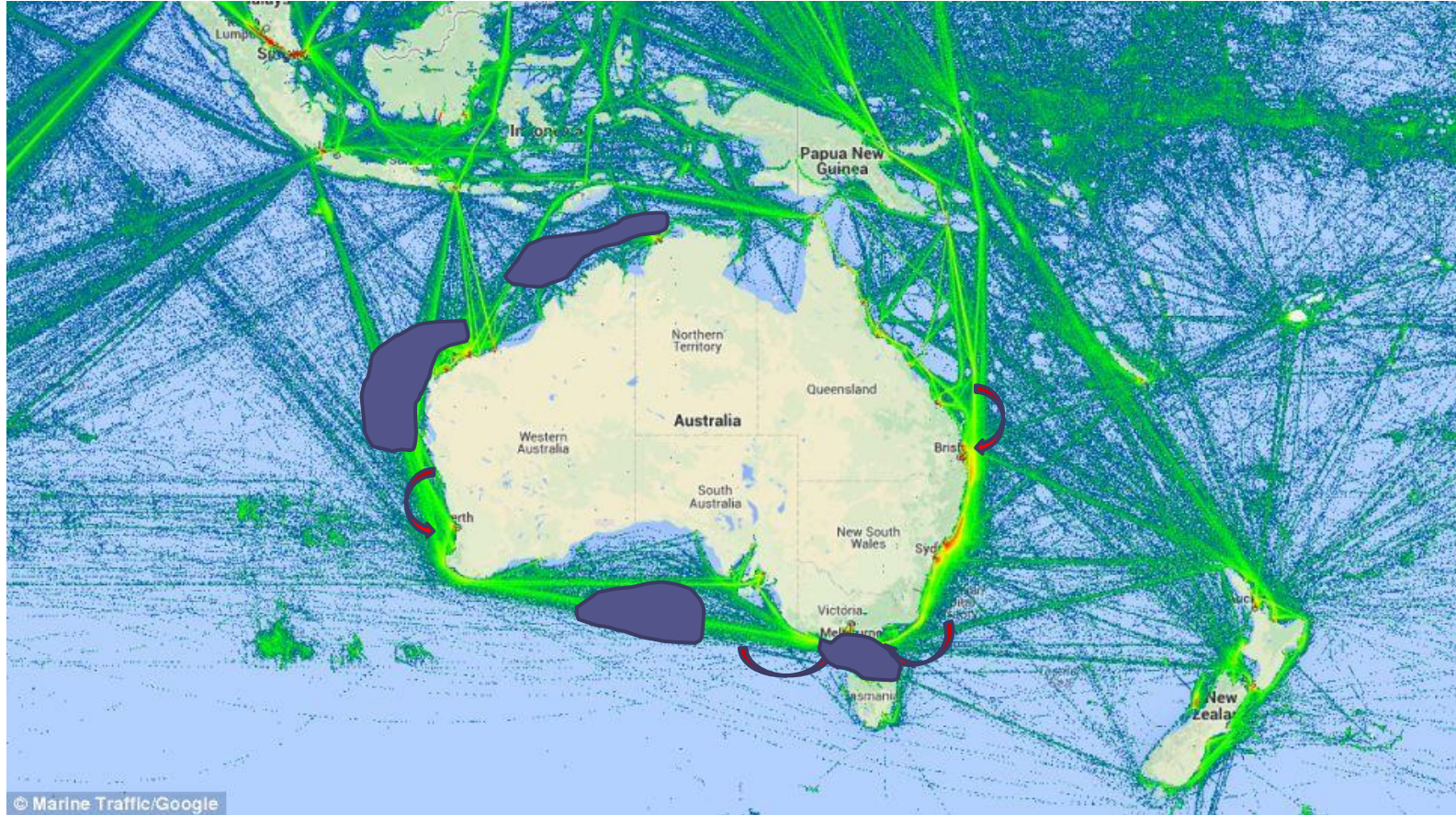
THE FOLLOWING 15 CAPABILITIES ESSENTIALLY REPRESENT THE SCOPE OF TIERED PREPAREDNESS AND RESPONSE:



*THESE CAPABILITIES MAY NOT BE PROVIDED BY OIL SPILL RESPONSE ORGANIZATIONS OR MUTUAL AID, BUT MUST BE CONSIDERED BY OPERATORS IN PLANNING. OPERATORS MUST COMBINE INTERNAL AND EXTERNAL RESOURCES TO MEET THE CAPABILITY REQUIRED TO RESPOND TO POTENTIAL INCIDENTS.



But; Risk factors remain



3 point strategy to uphold preparedness

- Mutual aid
- Retain focus on Regulatory change
- Retain focus on upstream and downstream needs



Mutual aid/shared funding

- Joint Exercising
- Shared funding models; Aerial Dispersant contracts, Trajectory modelling, scientific monitoring, centrally held response call-off contracts (by OSRO)
- Data sharing



Retaining focus

- Uprating the education aspects of spill preparedness and response (Joint Industry Project information dissemination)
- Act as the petroleum industry 'eyes, ears and advisers' on all aspects of spill response
- maintain focus on integrated response
- high intensity around operational discipline during response



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AMOSC operates Australia's major oil spill response equipment stockpile on 24 hour stand-by for rapid response anywhere around the Australian coast. The Geelong location places the response centre at the heart of oil movements in Australian coastal waters and has excellent access to road and air transport.

AMOSC Provides spill preparedness and response through:

- Equipment (Tier 3 and dispersant)
- Training
- Advice on Contingency planning
- Mutual aid Scheme
- Australian interface to international responders

All offshore operators are AMOSC members.



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