

PRAC R&D FORUM

Review of Offshore Health & Safety Related R&D Focus Areas and Initiatives

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Chair – Atlantic Canada
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Overview of CAPP R&D Focus

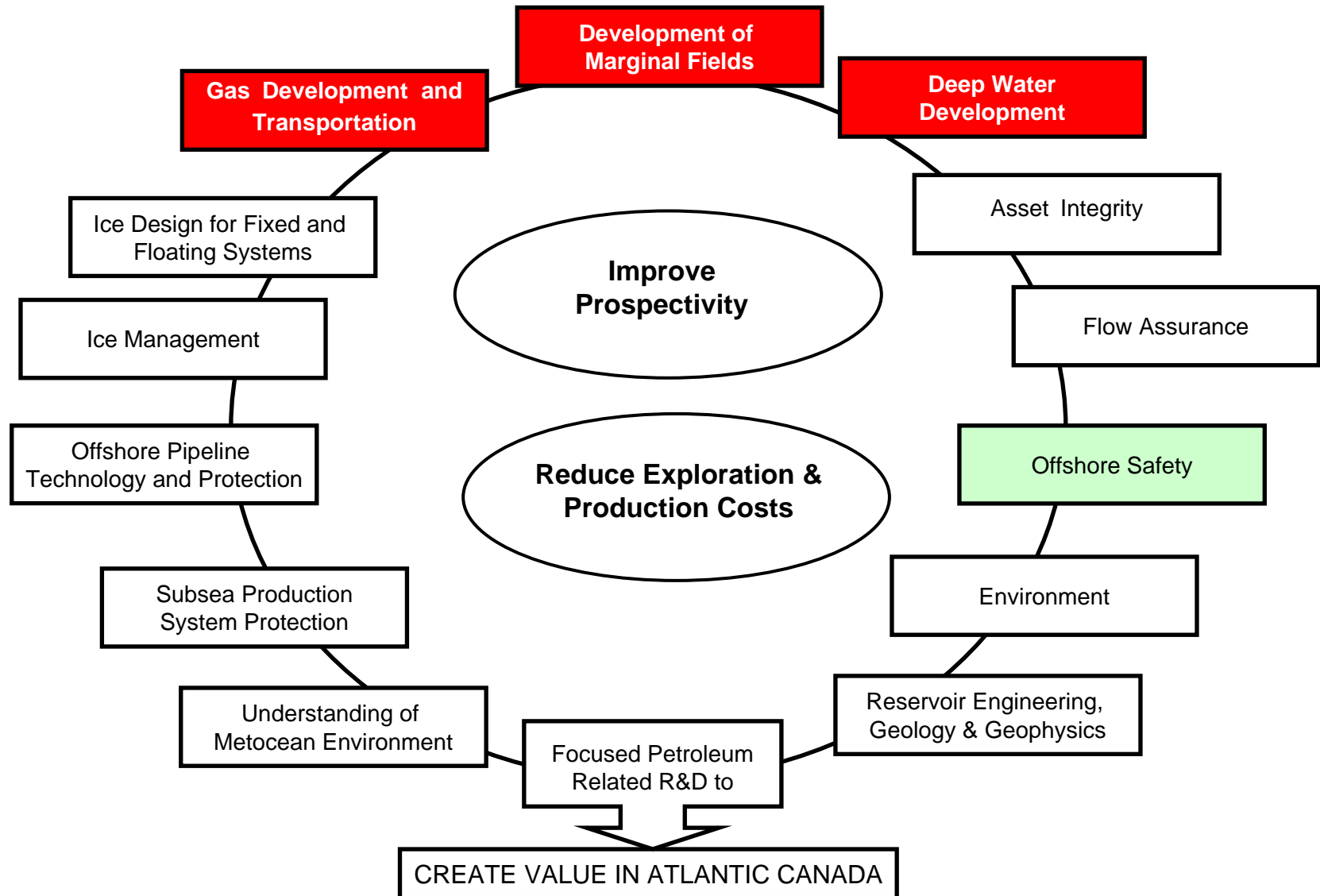
- Background
- Communities of Interest
- Offshore Health & Safety Focus Areas

CAPP Safety Sub-Committee Initiatives

- Standards and Guidelines
- Helicopter Underwater Emergency Breathing Apparatus (HUEBA)

- **Atlantic Energy Roundtable (AER) R&D Sub-committee needs assessment 2004-2005.**
- **Key recommendation was to develop “Communities of Interest” for R&D focus areas.**
- **PRAC re-organization in 2005**
 - Change in mandate and focus
 - New governance model
 - Implement AER R&D Sub-committee recommendations

Research and Development – Background Communities of Interest



- **Examples of potential specific *Offshore Health & Safety* areas of focus:**
 - Lifeboat launching / release mechanisms and recovery
 - Lifeboat launching in pack ice conditions
 - Development of offshore evacuation training:
 - Web-Based training
 - Best practices (includes comparing best practices internationally)
 - Simulation
 - Human Factors Issues
 - Improving performance in behavioral tasks (slips/trips/falls).
 - Preventing minor incidents that can have a impact on operations
 - Individual response to emergency situations
 - Acceptance of North Sea/ U.S. offshore safety training courses in Canada

- There is significant value in the COI initiative and further progress is required to build on success to date.
 - Other Community of Interest areas
 - Regular communication and engagement sessions
- PRAC shifting to a more industry focused organization.
- Vision is for PRAC to be the member focal point for facilitating research of general application in Atlantic Canada.

OHS Legislative Amendments / Regulatory Reform

- CAPP stakeholder consultation on legislative amendments
- Consolidated Drilling and Production Regulations

Escape, Evacuation and Rescue (EER) Performance Standard

- Task force including CAODC and Boards reps completed draft
- Final document should be in place by Q3-Q4 2007.

CSA OHS Standards Development

- Industry represented on national CSA committee
- Seven new standards being developed / updated – all of which fall under OHS standards.

Helicopter Underwater Escape Breathing Apparatus (HUEBA) Implementation

- Implementation is expected to be completed in 2007
- Training Video
- Development of Training Capability in NL and NS
- Training Program Development
- Medical Fitness Considerations
- Guideline/Standard
- Communication Plan



CAPP Safe Lifting Practices

- Document is being finalized – consists of good practices dealing with loose gear, containers, offshore pedestal cranes and other lifting devices.
- Expected to be finalized in Q2 2007.
- Will replace the current CAPP document “Control and Handling of Offshore Containers in Newfoundland Offshore Areas” and will apply to all East Coast.

CAPP East Coast Medical Assessment for Fitness to Work Offshore Standard Practice

- Update of 2001 CAPP document to include medical frequencies, reporting of change in health status, Emergency Breathing System (EBS) usage medical screening changes.
- Task group includes reps from CAODC and regional medical providers.
- Document should be finalized in Q2 2007.

CAPP Standard Practice for the Training and Qualifications of Personnel

- Continuous improvements to document ongoing through 2007.
- Other TQC work includes:
 - Third party examination of training providers' courses
 - Task group formed to ensure new Transport Canada Marine Personnel Regulations are aligned with national and international practices
 - Develop new chapter within the document dealing with MOU Marine Certification
 - Other changes (Drills & Exercises, TDG Marine clarifications, First Aider requirements, etc.)

CAPP Hydrocarbon Leak Prevention Guide

- Process to develop an industry guide began in 2006
- Similar guidelines existing Norway and UK
- CAPP planning to work on developing a guide throughout 2007

Process Safety Management

- **BP Texas City Refinery Explosion & Fire**
 - US Chemical Safety Board Investigation Report
 - Baker Panel Report
- Organizational and safety deficiencies
- Process safety design
- Process safety culture
- Process safety metrics and indicators
- Training and competency



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Thanks!