



OESI Advisory Committee Minutes

23 October 2015

DNV GL, Katy, TX

In Attendance

Anadarko	Kevin Renfro
BP	Mike Payne
Chevron	Sandi Fury
ExxonMobil	Kevin Dillow
Shell	Dwight Johnston-Chair
Noble Drilling	Bob Blank
Rowan Companies	Andy Kline
Bristow	Steve Predmore
Cameron	Mel Whitby
DNV GL	Bill Nelson
Kongsberg	William Westmoreland
Lloyds Register Energy	Brad Austin
Oceaneering	Peter Moles
Schlumberger	Curtis Jones-Vice Chair
FMC	Tim Thornton

BSEE	Andre King
USCG	CAPT Verne Gifford
Resources for the Future	Heather Ross
API	Holly Hopkins
COS	Charlie Williams
Chevron/DeepStar	Greg Kusinski
IADC	Alan Spackman
RPSEA	James Pappas
OESI	Jim Pettigrew
OESI	Paul Robinson
TAMU	M. Sam Mannan
TAMU	Camille Peres

Welcome

The Director of OESI Jim Pettigrew, the Chairman of the Advisory Committee Dwight Johnston and the Principal Investigator Dr. Sam Mannan welcomed the members of the OESI Advisory Committee. Mr. Johnston mentioned the fatality that occurred earlier in the week, which is the first death this year related to offshore drilling operations in the gulf. He reiterated the need for continuous improvement in offshore safety. Dr. Mannan talked about the off-site activities among PIs and other stakeholders since the last advisory committee meeting in July.

Safety Moment – ‘Design for Safety’ by Tim Thornton

The purpose of inherently safer design is to eliminate hazards in the design stage. To ensure inherent safety, the design must be deliberate and requires forethought. The design for safety principles cover: 1. Persons with control to promote prevention; 2. product lifecycle to focus on elimination; 3. Systematic risk management to identify and mitigate risk; 4. Knowledge and capacity to demonstrate competencies; 5. Information/knowledge transfer through documentation.

Review of Action Items/ Approval of Minutes – Jim Pettigrew

- Provide Director Salerno’s letter to Advisory Committee (AC) members. The letter has been emailed to AC members.
- Set up conference calls with AC members before next meeting to discuss research topics in detail. WebEx conducted on Oct. 20-22. And the research topics are posted to AC section of OESI website.
- Develop a Research Process. The draft process proposal will be presented at this meeting.
- Send AC members the presentation slides. The AC presentation was posted in AC section of website.
- Develop an agenda early so AC members can prepare for next meeting. The agenda will continue to be developed as far ahead of the meetings as possible, goal is two weeks.
- Ensure OESI budget is a topic at the October AC meeting. The budget presentation is on today’s agenda.

OESI Research Update – Jim Pettigrew

The internal OESI Research topics were discussed. They are:

1. Well construction-zonal isolation (UT, UH)
2. Human factor Engineering and Risk Management (A&M, UT)
3. New/Superior material (UH, A&M)

The genesis of these topics was described as being both OESI Forum results and PI/Co-PI discussions.

OESI will conduct periodic reviews in conjunction with AC meetings of these research efforts; and receive feedback from AC members on this ongoing internal research. As an OESI Research Development Process is developed, it would be expected that these topics could be reviewed and refined. Additionally, the development of this process would develop new topics for research that are directly related to Industry Stakeholder requirements. This process needs to be developed and ‘owned’ by all stakeholders.

A comment was made about the subsea Systems Institute (SSI) and what interactions there were with OESI. Additionally, there was a question about the role that Dr Krishnamoorti plays in both organizations.

ACTION – Work with SSI to help inform the AC on their mission/role, and their anticipated interaction with OESI.

Future Research Process – Dwight Johnston

A draft process (below flow chart) was presented to begin the discussion of developing, prioritizing and managing future research topics. A Research Planning Group was identified and telcons were proposed to further develop this process. This process should work to minimize the time from concept to project. We should leverage other groups processes if applicable.

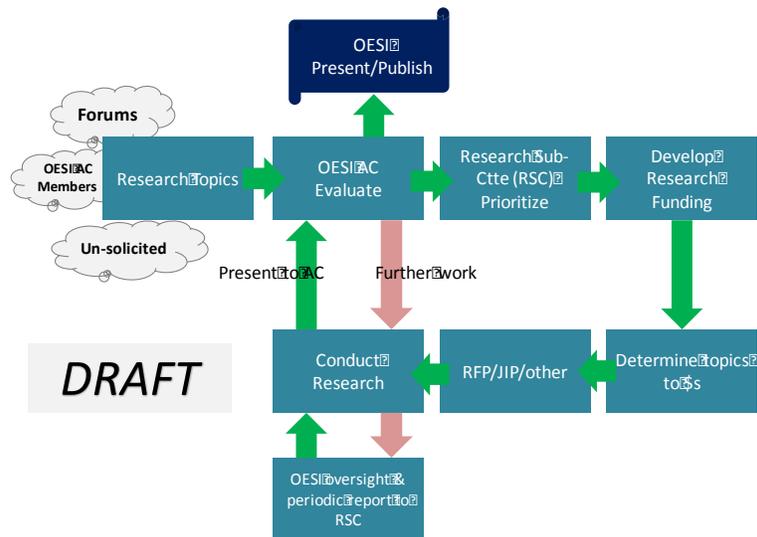


Figure 1. Proposed Future Research Process

ACTION – Develop a Research Planning Group and further define a Research Process.

OESI Training and Education – Jim Pettigrew

Proposed initial opportunities for OESI Training and Education in are in the areas of:

- Process Safety Management
- Subsea Systems Safety
- Real-time monitoring best practices

AC members were asked what other areas they would like to see OESI provide training for.

It was discussed that the target audience should include workers in the offshore industry; to include both industry and government workers. From a content perspective OESI should ensure industry is involved. It would be beneficial if experts from academia and industry worked together for the development of training.

It was agreed that OESI should initially focus on providing training and education for the regulator and evolve into providing training for all stakeholders.

OESI Forum Topics – Jim Pettigrew

Potential Forum topics include:

- How to keep Offshore Process Safety efforts ‘up’, during an Energy Industry ‘down’turn
- Cyber considerations and preparations in the Offshore E&P process
- Arctic E&P operations after Chukchi
- Climate Change and the Offshore Oil and Gas Industry
- How can we eliminate risks (hazards), or mitigate them better, so as to eliminate catastrophic effects (hazard prevention vs. hazard effects)
- Process safety and Risk management in the Offshore environment
- Innovative Data management in support of safe offshore operations

Forum construct and planning should be based on input from across the stakeholder representatives of the AC.

- Should we establish a Forum Planning group?
- 3-4 topics for 2016
- March, June, September...

For the Cyber topic, it would be interesting to discuss how to approach information assurance, what is used now and planned for in the future, what are the best practices. This is a topic that needs better understanding by all stakeholders.

Additionally, Human Factors topics such as Alarm Management would be beneficial to discuss further.

OESI Forums present an opportunity to have topic-focused discussions with BSEE; and that the AC should form a group to continue developing forum topics and to plan the events.

ACTION – Develop a Forum Planning Group to develop topics; as well as plan and execute events.

OESI Budget Review – Jim Pettigrew

The OESI Budget was presented to the AC for their information. This budget covers FY14-18. The fiduciary responsibility for this budget resides with the Principal Investigator; the AC has no responsibility for budget decisions or execution.

Future AC Meeting Schedule De-confliction – Jim Pettigrew

The AC meeting on 19 January 2016 will conflict with the API E&P Winter Standards Meeting (18-22 January). Two new days, 12 January 2016 and 26 January 2016, were proposed.

The AC meeting on 19 April 2016 will conflict with the NOIA Annual meeting (20-22 April). Two new days, 12 April 2016 and 26 April 2016, were proposed.

ACTION – Send out a Doodle poll to find alternate dates in January 2016, and April 2016.

Meeting Adjourned by the Chairman.

Future OESI Advisory Committee Meetings

26 April 2016	19 July 2016	18 October 2016	18 January 2017
Hosted by COS	Hosted by TBD	Hosted by TBD	Hosted by TBD