

Public Technology Assessment Program (TAP) Forum
February 17, 2017
Double Tree at IAH
15747 John F. Kennedy Blvd., Houston, TX 77032

<u>Start</u>	<u>End</u>	<u>Session Name/Purpose</u>
7:00 AM	8:00 AM	Registration (table staffed by OESI)
8:00 AM	8:10 AM	Mr. Jim Pettigrew Opening Remarks
8:10 AM	8:40 AM	Emerging Technologies Branch Overview Ms. Olivia Adrian
8:40 AM	9:10 AM	Dr. Per Holland, EXPROSOFT AS “Loss of Well Control Occurrence and Size Estimators” Provide update of offshore loss of well control frequency information for 2006-2014 for the US Gulf of Mexico and Pacific OCS, North Sea, Canada, Brazil and Australian offshore regions and other areas with a comparable regulatory regime.
9:10 AM	9:30 AM	Break
9:30 AM	10:00 AM	Mr. James Rice, ICF Incorporated, LLC “Wellbore Surveying Technology” Provide update on the various operational performance capabilities and limitations of downhole surveying technology tools, best practices, and before propose improvements to BSEE regulations as related to wellbore surveying.
10:00 AM	10:30 AM	Mr. Steven Green, Southwest Research Institute “Develop a Modeling Tool that Demonstrates Subsea BOP Stack/Seal Capability under Deep Water Loss-of-Well Conditions”.
10:30 AM	11:00 AM	Mr. Craig Leidersdorf, Coastal Frontier Corp “Freeze-Up Studies of the Alaskan Beaufort and Chukchi Seas”. Using a combination of remote sensing and on-site observations, describe the ice conditions that evolve during freeze-up and early winter, correlate changes in the ice canopy with the underlying meteorological conditions, categorize present-day freeze-up processes, and compare those processes with those that prevailed in the 1980s.

11:00 AM	11:15 AM	Mr. Jim Pettigrew Closing Morning Session
11:15 AM	12:15 PM	Lunch
12:15 PM	12:20 PM	Mr. Jim Pettigrew Opening Remarks
12:20 PM	1:00 PM	Oil Spill Response Research (OSRR) Overview – Ms. Karen Stone
1:00 PM	1:30 PM	<p>Mr. Frank Shaffer, National Energy Technology Laboratory</p> <p>"Development of a ROV Deployed Video Analysis Tool for Rapid Measurement of Submerged Oil/Gas Leaks"</p> <p>The objective of this work was to further develop and prove a video based method and associate algorithms for calculating flow rates of subsea oil and gas leaks and blowouts. Using the theory of turbulent jets, the velocity of visible features can be used to estimate the discharge rate of an oil leak jet.</p>
1:30 PM	2:00 PM	<p>Mr. Paul Panetta, Applied Research Associates /Virginia Institute of Marine Science</p> <p>“Development of Acoustic Methods to Measure Oil Droplet Size and Slick Thickness on Remotely Operated Vehicle (ROV) and Autonomous Underwater Vehicle (AUV) Platforms.”</p> <p>To develop and test acoustic techniques and sensors mounted in free-swimming platforms for field applications to measure: (a) slick thickness on the surface of the water, and (b) oil droplet size distribution at the wellhead for subsurface releases of crude oil and dispersants in the presence of natural gas.</p>
2:00 PM	2:30 PM	<p>Mr. Tim Robertson, Nuka Research and Planning Group, LLC "Estimating an Oil Spill Response Gap for the U.S. Arctic Ocean"</p> <p>Nuka conducted an oil spill response gap analysis for three areas in the U.S. Arctic Beaufort and Chukchi Seas. This analysis quantified the frequency that oil spill response may not be feasible due to weather or environmental conditions. Conditions including wind, sea state, temperature, ice coverage, and visibility were considered in the analysis.</p>
2:30 PM	2:40 PM	Mr. Jim Pettigrew Closing Remarks