



2015 BSEE Domestic and International Standards Workshop

High Pressure High Temperature (HPHT) Session Agenda

May 8, 2015
University of Houston Hilton

The QC-FIT Technical Review of Connector and Bolt Failures highlighted quality concerns with the bolt materials including the need for updates to existing standards on material properties, testing, quality assurance, and lifecycle management. This is especially true as operators move into high pressure high temperature environments. It is recognized that there is a lack of consensus within industry, regulatory bodies, and academia on how to design, verify and validate HPHT designs.

Check-in time: 7:00 a.m. to 10:00 a.m.

8:00 a.m. – 9:00 a.m.	Introductory Session Welcome – <i>Christy Lan, BSEE</i> Safety Moment – <i>Julian Pham, BSEE</i> Opening Remarks – <i>Brian Salerno, BSEE Director</i> Standards Past, Present and Future – <i>Doug Morris, Chief OORP</i>
9:00 a.m. – 11:00 a.m.	<ul style="list-style-type: none"> ● HPHT Session Welcome, Expectation and Goals - <i>Russell Hoshman, BSEE</i> ● Approval Process for HPHT Projects in the Gulf of Mexico – <i>Russell Hoshman, BSEE</i> <ul style="list-style-type: none"> ○ What are the needs of U.S. regulatory agencies? What are the concerns? What information does BSEE need submitted when reviewing applications for the use of HPHT equipment? ○ Q&A ● Ultra Deep Gulf of Mexico 25K Completion – <i>Billy Richey, David Lewis, Richard Sukup, and Ravi Krishnamurthy, Freeport-MaMoRan Oil and Gas and Blade Energy</i> <ul style="list-style-type: none"> ○ Project Presentation ● The Independent Third Party Process for HPHT Material Characterization, Equipment Design Verification and Validation – <i>Mohsen Shavand and Ramgopal Thodla, DNV-GL</i> <ul style="list-style-type: none"> ○ Discussion of Independent Third Party Verification for HPHT ● Independent Third Party Review Process for HPHT Equipment: Material Characterization and Design Verification and Validation – <i>Ramon San Pedro and Kirk Brownlee, Stress Engineering Services</i> <ul style="list-style-type: none"> ○ Discussion of Independent Third Party Verification for HPHT
11:00 a.m. – 11:15 a.m.	Break
11:15 a.m. – 12:15 p.m.	<ul style="list-style-type: none"> ● Standards Updates – Current status, next steps, identified road blocks <ul style="list-style-type: none"> ○ API 17TR8: High-Pressure High-Temperature (HPHT) Design Guidelines – <i>Man Pham, BP</i> ○ Status Report on ASME Task Group on Subsea Applications – <i>Dan Peters, Structural Integrity Associates, Inc.</i> ○ Subsea Well Intervention Systems, API Specification 17D – <i>Brian Skeels, FMC</i>

12:15 p.m. – 1:15 p.m.	Lunch
1:15 p.m. – 2:55 p.m.	<ul style="list-style-type: none"> ● Standards Updates – Current status, next steps, identified road blocks, cont. <ul style="list-style-type: none"> ○ HPHT - API Spec 6A Equipment – <i>David Zollo, FMC Technologies</i> ○ Subsea Well Intervention Systems: Working Draft 6, API Standard 17G – <i>Ray Stawaisz, Chevron</i> ○ API 16A – <i>Kent Grebing, NOV</i> ○ API 14A 12th Edition Overview Addressing Critical Service and HPHT SSSV Applications – <i>Darren Bane, Baker Hughes</i> ○ API SC 19 Equipment Specifications for HPHT Downhole Completion Equipment – <i>Rob Hiltz, Halliburton</i>
2:55 p.m. – 3:05 p.m.	Break
3:05 p.m. – 5:00 p.m.	<ul style="list-style-type: none"> ● Standards Updates – Current status, next steps, identified road blocks, cont. <ul style="list-style-type: none"> ○ Verification Analysis and Validation Testing of Subsea Connectors: API Technical Report 17TR7 – <i>Dr. Jim Kaculi, Drill-Quip</i> ○ API RP 5C5: Procedures for Testing Casing and Tubing Connections – <i>David Coe, Hess</i> ● Facilitated session – <i>Dan Fraser, Argonne National Labs</i> <ul style="list-style-type: none"> ○ Discussion of issues raised during the HPHT session <ul style="list-style-type: none"> ▪ Materials ▪ Basis of Design ▪ Monitor loads ● Closing – <i>Brian Skeels, FMC</i> <ul style="list-style-type: none"> ○ Wrap up, path forward, surveys