2015 BSEE Domestic and International Standards Workshop

Quality Management and Equipment Reliability (QM/ER) Session Agenda

May 8, 2015
University of Houston Hilton

BSEE has highlighted in its QC-FIT Technical Evaluations of Connector and Bolt Failures and Seal Assembly and Cement Failures Reports quality concerns with bolt material, seal assemblies and cement barrier systems. This includes the need for updates to existing standards on material properties, testing, quality assurance, and lifecycle management. This session will address domestic and international quality management and equipment reliability concerns. The emphasis will be on quality assurance of subcontracted components and services, lifecycle management for safety critical equipment, how near miss and failure reporting can contribute to equipment reliability, the current status of regulations and standards, and international needs and concerns.

The following 3 themes will be the primary points of discussion throughout the day:

1. *Data Needs – Failure Reporting/Near Misses*
   - *How are failures and near misses traced?*
2. *Quality Management and Subcontractor Oversight*
   - *How is subcontractor oversight managed at all levels/tiers?*
3. *Lifecycle Management for Safety Critical Equipment*
   - *How is a product's traceability maintained throughout its lifecycle?*

The morning sessions will be focused on identifying issues and the afternoon sessions will be focusing on discussing solutions.

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

8:00 a.m. – 9:00 a.m.	**Introductory Session** Welcome – *Christy Lan, BSEE* Safety Moment – *Julian Pham, BSEE* Opening Remarks – *Brian Salerno , BSEE Director* Standards Past, Present and Future – *Doug Morris, Chief OORP*
9:00 a.m. – 10:30 a.m.	● U.S. Discussion on Identified Issues – *Panel Discussion* o What are the needs of U.S. regulatory agencies/programs regarding QM/ER issues they have come across? o How do other regulatory bodies/programs use standards to accomplish their regulatory objectives and address QM/ER issues? o How are other regulators'/programs' issues related to BSEE issues Similarities/Differences? Reference to the Quality Assurance/Quality Control issues recently identified by BSEE during QC-FIT evaluations: ▪ Connector and Bolt Failures Report ▪ Seal Assembly and Cement Failures Report Panelists 1. Joe Levine – *Emerging Technologies Branch Chief, BSEE* a. Systems Reliability Evaluations 2. Roger Schaffer – *Deputy Director, Sub Safety and QA, NAVSEA* a. The US Navy's Submarine Safety Standards

	3. Linda Daugherty – *Deputy Associate Administrator for Pipeline Safety – Field Operations, PHMSA-DOT* a. How Incident Causes are Highlighting Material and Equipment Challenges and the Need for a Robust Quality Management System 4. Dr. Brian Craig – *Professor and Chair of Industrial Engineering Department – Lamar University* a. Maritime Near Miss Reporting
10:30 a.m. – 10:45 a.m.	**Break**
10:45 a.m. – 12:15 p.m.	● International Discussion on Identified Issues – *Panel Discussion* o What are the needs of international communities regarding QM/ER issues they have come across? o How do international communities use standards to accomplish their regulatory objectives and address QM/ER issues? o How are international issues related to U.S. issues? Similarities/Differences? Panelists 1. Simon Brown – *Operations Manager, Energy Division, UK Health & Safety Executive* a. Quality Management & Equipment Reliability in the Context of the GB Regulatory Framework 2. Ola Heia – *Principal Engineer, Petroleum Safety Authority* a. Petroleum Safety Authority of Norway 3. Paul Hopmans – *Shell Global Principal Technical Expert, Netherlands* a. Petroleum and Natural Gas Industries – Well Integrity Standard
12:15 p.m. – 1:15 p.m.	**Lunch**
1:15 p.m. – 3:05 p.m.	● Industry Discussion on Solutions – *Panel Discussion* o What are the upcoming gaps in data needs, quality management, and lifecycle management that the industry sees for the future? o What current industry initiatives are addressing these gaps? o What are the needs for new and emerging technologies regarding QM/ER? ▪ High Pressure/ High Temperature needs? ▪ Service vs. manufacturing quality? ▪ Maintaining traceability through a product's lifecycle? Panelists 1. Jim Raney – *Director of Engineering, Anadarko Petroleum Engineering & Technology Group* a. Equipment Design and Reliability from Design to Decommissioning 2. Jason Strouse – *Integrity Management Engineer, Wood Group Kenny* a. Industry discussion on solutions – The third party perspective 3. Mike Briggs – *Director of Quality, Cameron Corporation* a. Product Lifecycle Management 4. Jim Hood – *Quality Manager, Freeport-McMoRan Oil & Gas* a. Freeport-McMoRan perspectives on the development of processes to address lifecycle management , equipment reliability and subcontractor management issues 5. Peter Ireland – *Quality and Reliability Design Manager, Schlumberger* a. Life Cycle Management and Reliability at Schlumberger 6. Rick Faircloth – *Principal Engineer, Cameron Valves and Measurement* a. API 20 Series Supply Chain Management Standards
3:05 p.m. – 3:15 p.m.	**Break**

3:15 p.m. – 5:00 p.m.	• Standards Organizations Discussion on Solutions – *Panel Discussion* o What are the long-term plans to develop standards that address the identified domestic and international concerns regarding data needs, quality management and lifecycle management? o How have standards organizations addressed technical gaps in the past and how can current gaps be addressed? o What are the data needs for standards organizations? Panelists *1.* Bob Badrak – *Vice Chairman of NACE Policy Committee and Vice Chairman of ISO 15156 Maintenance Panel* a. ANSI NACE MR0175/ISO 15156: Materials for use in H2S-containing environments in oil and gas production 2. John Koehr – *Managing Director, Technology & Personnel Certification, ASME* a. The American Society for Mechanical Engineers 3. Joe Greenslade – *Director of Engineering Technology, Industrial Fasteners Institute* a. ASTM F16 Fastener Committee Information *4.* Kim Wiita – *Chairman of API Subcommittee on Quality and Vice Chair of API Monogram Program Board* a. API Subcommittee 18 – Quality Standards and Activities • Closing – *Doug Morris, BSEE* o Wrap up and path forward