



IADC's use of Standards 15 November 2012

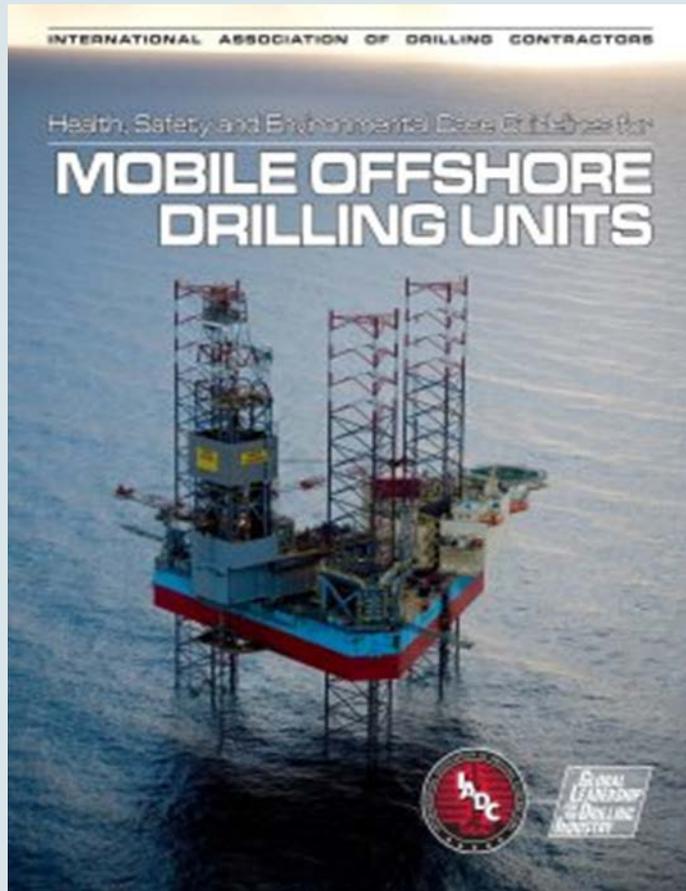
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IADC's use of Standards

- IADC is NOT a Standards Developing Organization, but . . .
- We do identify Standards activities affecting our membership (e.g., API, OGP, ISO, class) and encourage member participation, and . . .
- We have developed and are continuing to develop standards, for example:



IADC HSE Case Guidelines for MODUs



- **“Best Practice” guidance on HSE Case development specifically for MODUs**
- **To facilitate acceptance across those regulatory jurisdictions where a Safety Case is required**
- **Underlying Safety Management System based on the IMO’s International Safety Management (ISM) Code (SOLAS Chapter IX)**
- **Includes specific guidance regarding hazard identification and control**

Bridging arrangements (under development)



- Provide guidance on merging of operator, contractor and 3rd party safety management systems, e.g.
 - Roles, responsibilities and authorities
- Provide guidance on identifying and mitigating site-specific hazards, particularly with respect to combined operations, e.g.
 - Coordination of alarms
 - Personnel movement between facilities
 - Obstruction of lifesaving equipment, helidecks, etc.
 - Mutual aid expectations

IADC Accreditation of training programs

- **WellCAP[®] – offers well control curriculum guidelines for a full array of drilling and workover activities**
- **WellCAP Plus[®] – a role playing scenario-based well control training program that targets more experienced operations personnel**
- **RIG PASS[®] – accredits Health, Safety & Environmental orientation programs**
- **Also Drilling Industry Training Accreditation System, Competence Assurance, and Ballast Control and Stability**



KSAs – Knowledge, Skills & Abilities (under development)

IADC KSAs are crucial to establishing guidelines for or building a foundation upon which to:

- **Define acceptable minimum competence guidelines**
- **Verify qualifications of personnel**
- **Develop new workforce capabilities**
- **Build training to match complexities of new equipment, well design, and performance expectations**
- **Map pathways to achieving competency**
- **Standardize operations across geographical and regulatory borders**



KSAs – Knowledge, Skills & Abilities (under development)

Phase 1

- **Identify rig based positions with well control responsibilities**
- **Globally survey the industry, trade associations and regulatory bodies**
- **Review survey results for best practice, templates and implementation models**
- **Define competencies for each position identified**
- **Recommend assessment methods for assessing each competency defined**
- **Establish acceptable ranges of performance for each competence**



KSAs – Knowledge, Skills & Abilities (under development)

Phase 1 Positions

- **Senior Toolpusher**
 - Land
 - Offshore (Jackup and Deepwater)
- **Toolpusher**
 - Land
 - Offshore (Jackup and Deepwater)
- **Driller**
 - Land
 - Offshore (Jackup and Deepwater)



KSAs – Knowledge, Skills & Abilities (under development)

Phase 1 Positions

- **Assistant Driller**
 - Land
 - Offshore
- **Subsea Engineer**
- **Derrickhand / Pumphand**
 - Land
 - Offshore
- **Floorhand**
 - Land
 - Offshore



KSAs – Knowledge, Skills & Abilities (under development)

Phase 2

- **Using the templates developed in Phase 1, develop KSAs for all remaining rig based positions**

Phase 3

- **Identify additional rig-based support positions such as Mud Logger and Mud Engineer; develop KSAs using the same template and process**



KSAs – Knowledge, Skills & Abilities (under development)

Competency Guidelines – Three project phases

- **Phase 1 completion by Q1 2013**
- **Time to complete Phases 2 & 3 \approx 7 months each**
- **Full project duration \approx 24 months**

