

DROPS in an Oilfield Services Company

Concepts and Implementation of DROPS – the Practical Approach

Leong Weng Fei
HS&E Director – Asia Pacific

Implementation Challenges

- Most operations of service companies are done onshore or in manufacturing facilities
- Number of personnel involved in rig operation is small
- Dropped object incidents usually do not feature highly in terms of frequency of occurrence in comparison to other types of incidents like vehicles, hand injuries, pressure related incident etc.
- Focus on DROPS varies from client to client
- Inconsistent focus on DROPS in various locations

Baker Hughes approach to DROPS

- Set up a Community Of Practice (COP)
- Role of DROPS COP:
 - Coordinate Baker Hughes initiative on DROPS
 - Collate information on Baker Hughes DROPS initiatives for client communication
- Members : One representative from eastern and western hemispheres and one from Products & Technologies group
- Started since August 2010

DROPS CoP Focus Areas

- Industry engagement – involvement in DROPS chapters
- Dropped object incident analysis
 - No specific data category was captured previously on dropped object incidents
 - Understand extent of problem
- DROPS gap analysis
 - Determine if existing operational controls within Baker Hughes sufficiently address dropped object risks
- DROPS awareness material
 - Global audience – simple and engaging
 - Across a spectrum of workplaces – offshore and onshore

DROPS CoP Focus Areas - 2

- Development of checklists for dropped object prevention
 - Eg. backloading checklist (Refer to sample from Transocean)
- Explore opportunity for DROPS at product development phase or facility design phase
- Global tracking of dropped object incidents
 - Require changes to incident reporting processes within the company
 - Proposal to use Dropped Object Calculator to classify dropped object near misses

Examples of DROPS initiatives

- China DROPS campaign
- Organized as a competition with focus mainly on onshore facilities

Example of dropped object incident in non-offshore setting

- Dropped electric hoist unit incident
- Dropped tool from flat bed truck