

CALLUM WILKINSON - HESS



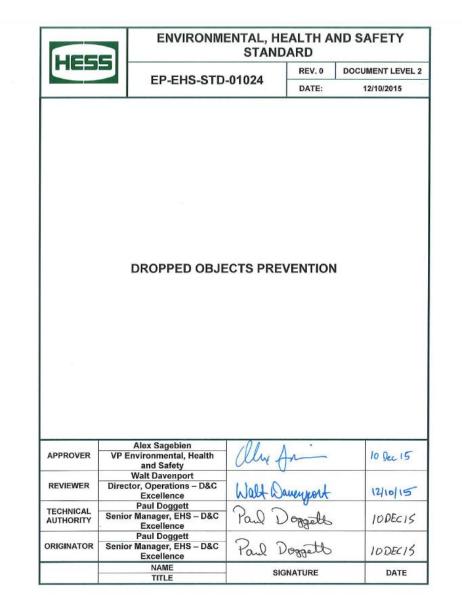


# **AGENDA**

- WHAT REQUIREMENTS DOES HESS HAVE IN PLACE FOR DROPS AT THE MOMENT?
- HOW DOES THE RP COMPARE TO THE HESS DROPS REQUIREMENTS?
- HOW WILL THE RP FIT INTO THE ENTERPRISE WAY OF WORK?
- HOW WILL HESS MAKE THIS HAPPEN?
- · SUMMARY / Q & A



# WHAT REQUIREMENTS DOES HESS HAVE IN PLACE FOR DROPS AT THE MOMENT?





## DROPPED OBJECT PREVENTION SCHEME (VISUAL WORK STANDARD)



Appendix 1, EP-EHS-STD-01024, Rev. 0, 1 April 2015

**Dropped Object** Scenarios & Causes

"Any object that falls from its previous position either static or dynamic with the potential to cause death, injury or equipment/environmental damage"

## Static Dropped Objects

Any object that falls from its previous static position under its own weight (e.g. nut disladged in rig derrick, fallen cable tray due to corroded fastenings, gratings, signage, wind walls, unsecured items)

- Inadequate inspections, repairs and maintenance
- Environmental conditions
- Items taken aloft e.g. tools & equipment left behind
- Inexperience, hazards not identified

## Dynamic Dropped Objects

Any object that falls from its previous position due to applied force from the impact of equipment/machinery or moving object (e.g. Top drive hitting the rig floor; a stand of drill pipe falling across the derrick and hitting and breaking a light; equipment mounted at a height that, following contact, vibration or environmental conditions, could fall such as piping, lights, cameras, rigging gear etc.; temporary tools/equipment at height; personnel working on a level directly below the work site; lifting operations)

### Causes

- Procedures not followed or used
- Failure to recognize and manage change
- Lack of experience or knowledge

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## Dropped Object Prevention Scheme (visual work standard) shall apply to all personnel, installations and facilities under Hess operational control

- EHS & Operational Management Systems shall have the following preventive and mitigation controls in place for static and dynamic dropped objects
- Site Leadership shall frequently verify implementation of Dropped Object Prevention Scheme (visual work standard)

## Mitigating Controls

## Static Objects

- Secondary/Safety Securing: installed and maintained safety wires, lanyards or nets for equipment that is not an integral part of the
- zones) shall be visible/in place.

## **Dynamic Objects**

- Use of approved tethered tool kits for working at height
- Restricted Access Areas: pre -identified risk areas (Red and No-go zones) shall be visible/in place.
- ☐ PA Announcements / Warnings: overhead operations, crane operations, work in the derrick etc.

www. dropsonline.org

REDUCING THE CONSEQUENCES OF AN INCIDENT IF PREVENTIVE CONTROLS FAIL OR ARE NOT EFFECTIVE

- structure on which it is mounted.
- Restricted Access Areas: pre -identified risk areas (Red and No-go

DROPS Online available resources:

DROPS Reliable Securing Booklet

DROPS Guidelines for Restricted Access Areas

DROPS Guidelines for Tools at Heights DROPS Guidelines for Independent Dropped Object Surveys

DROPS Guidelines Pre-task Checklist

Member of props







Preventive Controls PREVENTING AN INCIDENT BY REDUCING THE LIKELIHOOD THAT AN INCIDENT WILL OCCUR

## Static Objects

- Primary Fixings and Secondary Retention : appropriately selected, installed and maintained fixings (bolts, screws, pins, clamps, welds and associated locking washers, lock wire, cotter pins etc.)
- ☐ Preventive Maintenance System: required to record all permanent equipment at height; maintenance tasks and frequency in accordance with the system requirements (e.g. Derrick, Cranes, Substructure,
- ☐ Independent Dropped Object Surveys: 3rd party visual inspections of permanent installations shall be performed prior to all facility startups and annually thereafter.
- ☐ Planned Dropped Object Visual Inspections: shall include all temporary equipment, structures and 3rd party equipment.

## Dynamic Objects

- ☐ Tools and Equipment Aloft log book: detailing each item being brought up and brought back down signed-off by individual working aloft; upon start up & completion of working at heights.
- Pre-job risk assessments and checks: identifying any dropped object hazards (e.g. collision checklists for cranes and other moving equipment, discussions on tools and equipment, use of a pre-task checklist, application of DROPS calculator).
- ☐ Management of change: required for replacing/removing fixtures or installing new equipment at height to existing structures.
- Stop the job and vigilance: dropped object prevention regularly discussed & documented in tool box talks, JSA's, weekly safety meetings and focused hazard hunts.

Dropped

Object

Event

# HOW DOES THE RP COMPARE TO THE HESS DROPS REQUIREMENTS?

 BOTH THE HESS DROPS STANDARD AND THE RP ARE BASED ON THE DROPS REQUIREMENTS

• WHILE THE STANDARD DROPS REQUIREMENTS SET THE SCENE TO HAVE PREVENTATIVE CONTROLS AND DYNAMIC CONTROLS ALONG WITH MITIGATING CONTROLS, THE RP GIVES DIRECTION AS TO HOW THESE ARE TO BE ACHIEVED BY GIVING DIRECTION ON

OBJECTIVES AND TARGETS DROPS ZONE MANAGEMENT

RISK ASSESSMENT
MONOTORING AND MEASURING PERFORMANCE

DROPS CALCULATOR
DROPS INSPECTIONS (ALL)

HIERARCHY OF CONTROLS
DROPS HAZARD MANAGEMENT

SMS BRIDGING



## **HOW WILL THE RP FIT INTO THE ENTERPRISE WAY OF WORK?**

- THE HESS STANDARD AND R P PRETTY MUCH GO HAND IN HAND
- A TECHNICAL REVIEW OF THE RP GUIDANCE AND ASSET "WAY OF WORK" WILL BE CONDUCTED BY THE TA TO ENSURE A CONSISTENT MEASUREMENT (AND NOT BLINKERED BY COMMERCIAL INTEREST)
- ANY GAPS OR CONFLICTS WILL BE IDENTIFIED
- RP WILL THEN BE "TAILORED" TO MEET THE ASSETS NEEDS BEFORE INTRODUCTION



# **HOW WILL HESS MAKE THIS HAPPEN?**

- TECHNICAL REVIEW OF ASSETS DROPS PROGRAM V'S RP (VIA INTERNAL ASSURANCE PROG.)
  - Current training and people requirements (including BBS approach)
  - Current DROPS considerations for Equipment
  - o In place procedures / guidance / requirements including third party involvement
- MEET WITH ASSET AGREE BRIDGING OF REQUIREMENTS AND TAILOR RP TO BE ASSET SPECIFIC DROPS PROCEDURES. TO INCLUDE:
  - Education to address any updated requirements
  - Program of revisions to any equipment changes (including MOC requirements)
  - Agree and execute procedure / guidance / requirement changes
  - Agree a date to be completed by & assistance available
- CONDUCT AUDIT AGAINST DROPS

