

RSRUK Overview in: The Management and Prevention of Dropped Objects



DROPS Online Forum - September 2019





RSRUK Problem Statement

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Dropped Objects are increasing – why?



Was 2017 & 2018 just a bad years, and it will be ok? Or A worrying trend & needing decisive action?



= Actual Dropped Objects in 2018



HPI & RIDDOR Reportable

RSRUK The Background

The Statistics



2017 & 2018 saw a concerning rise in the number of Dropped Objects across the business

- 69 & 56 recorded Dropped Objects respectively
- Increase of 968kg of Dropped objects from 2016
- 6 Reportable dropped objects incidents, of which;
- 3 were HPI Dropped Object Incidents in 2017 and 2018

Recorded Causes 2017 / 18

Top 5 Causes of DOs	2017 Total	2018 YTD	Factor
Inadequate Securing	52	24	Condition Based
Failed Fixtures and Fittings	32	10	Condition Based
Inadequate Maintenance	30	9	Condition Based
Corrosion	20	13	Condition Based
Poor Hazard ID and RA	19	4	Training & Comp



falling objects

We are seeing the same causes as we trend through 2018

The changing picture of DROPS

Condition V's Housekeeping

- We have historically been focused on Housekeeping aspects of PDOs
- ▶ The picture is changing, as our assets age
- Corrosion now also playing a part in the increase of Static Dropped Objects
- Highlighting the need to focus on;
 - the condition of fittings & fixtures and corrosion to metallic structures
 - With more robust inspection to provide assurance.







Questionaire Findings

5 Key Observations





RSRUK Management & Prevention of Dropped Objects



What the multi layered strategy looks like



Proposed Strategic Approach

Multi Layered Strategy





Annual DROPS HSE Plan

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Plan - Proposed adoption of HSE template

- Proposing to include drops on HSE Plan
- Set out asset Commitments
- Clearly defined inputs
- Endorsed by asset senior management
- Owned Offshore by OIM
- Measurement metrics defined

2019 [asset] HSE IMPROVEMENT PLAN

		9-11				_	,	_	,		-	,			
	FOCUS AREA	SPECIFIC ACTIVITY/ACTION	RESPONSIBLE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
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		Carry out monthly DROPS areas inspections.	HIER Advent												
		Hold quarterly review of DROPS Plan and DROPS Detailed	бин												
	Scheduled BRT First & The curveys	200													
	DROPPED OBJECTS	Maintain annt DEOPS database	HSE Advisor		i i										
DHOPS		Hald Quarterly DROP's Hazard Hants	USE Advisor Led												
		Annual Verification of Dropped Disects Plan	(COM												

What are we up to Next?

Asset / Site Plot Plan Risk Assessments





High Risk1Heat shield2Cable tray and high level Dome
lights3Cable tray and high level Dome
lights4Cable tray5Cable tray6Cable Tray / Pipework

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Asset / Site DROPS Risk Assessment

Fulmar PDO Area Zone 7 'Module Deck'





High Risk

1	Decommissioned, not inspected or maintained.
2	M 4 &5 wind walls poor condition
2	80% of equipment in module (redundant) no longer used and not inspected or maintained
4	Exposed location/prevailing wind. Corroded grating/cable tray/unistrut/ M 4 &5 wind walls poor condition

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Input - Stop Drop Strategy

I Care submission. (Spot It Own It)

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Further emphasising asset / site ownership in this multi layered approach;

- (3) Platform Management area inspections (monthly) – Plot Plans / WMS areas
- (4)Core Crew Hazard Hunts (quarterly)
- (5) Implementing pre and post adverse weather inspection for changing condition
- Utilising Spot it Own it and iCare Observation cards.
- Offering input through workforce engagement with our employees and support contractors -



RAT Find and Fix Input

Targeted execution of work

- Planned ring fenced RAT Find and Fix teams
- Supported by a container of mechanical equipment and restraints
- Focused inspection in highest areas of risk using Plot Plans
- Adopting use of technology and direct inputs to database
- Dashboard outputs and reports on status of Dropped Objects
- Measure safety, performance, value and ongoing competency





RAT Find and Fix

Removal V's Mitigation

- First option is the removal of PDOs
- Where PDO cannot be removed (time or equipment) we will mitigate
- Risk Assess the level of mitigation applied when scheduling follow up work
- Examples of mitigation on our assets / sites











Assurance Verification

Sign Off on our DROPS Commitments



- End of year verification that all work as has been carried out in accordance with plan
- > OIM and Field Manager / VP
- Confirm the level Risk Reduction
- Take steps to address non compliance with DROPS plan
- Consider further steps for Risk Reduction
- Revise asset DROPS strategy



Demonstrable PDO Risk Reduction and DROPS Assurance

Where are we?



DROPS Performance YTD: As of 31st August 2019



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RSRUK DROPS FIGURES 2019 (Jan-Aug)							
Assets Visited in 2019	(Jan - Aug)	No of P1s Found	No of P1s Removed	No of P1s Remaining (mitigated)	Total PDOs Found (P1/2/3)	Total Removed (P1/2/3)	Total Remaining & mitigated (P1/2/3)
Piper		65	53	12	129	96	33
AUK		20	18	2	99	78	21
Tartan (topsides)		39	38	1	125	90	35
Tartan (Drilling)		6	5	1	18	8	10
Clyde		51	41	10	76	57	19
Fulmar		21	10	11	72	36	36
Flotta		33	26	7	149	115	34
Claymore		45	45	0	107	82	25
Totals		280	236	44	775	562	213
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1291	 Total SIOI cards raised in Q2 and Q3 	
645	 Of the total had immediate remedial work carried out 	Spot it) Own it
531	 of 1291 were associated with PDOs 	Care
383	 Of 531 PDO SIOI were removed / rectified 	

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Where could we have been?





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