

International Marine Contractors Association
Improving performance in the marine contracting industry

DP Event Reporting - How, Why & What

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Venue The Westin Houston

Date 11th October 2022



The How



- Reports sent **CONFIDENTIALLY** from vessel or operator
- Strictly Anonymised
- Report details entered into spreadsheet
- 4 Significant Events chosen per qtr. for Event Bulletin

IMCA DP EVENT REPORTING

DP Station Keeping Event Reporting Form Revised January 2020

IMCA DP station keeping event reporting is secure and confidential. The reports are used to provide anonymous information to the DP industry so as to improve the overall safety of DP operations. See www.imca-int.com/dp-events for more details. This report should be completed on the following occasions:

- **DP incident** – a major system failure, environmental or human factor which has resulted in a loss of DP capability
- **DP undesired event** – a system failure, environmental or human factor which has caused a loss of redundancy and/or compromised DP capability
- **DP observation** – an event that has not resulted in a loss of redundancy or compromised DP operational capability, but is still deemed worthy of sharing

Please submit your completed form (and supporting documents) to your vessel operating company. IMCA members and non-member companies should forward reports to IMCA so that information can be anonymously shared with industry by emailing incidentreports@imca-int.com

Document details and issue record This section is treated by IMCA as highly confidential

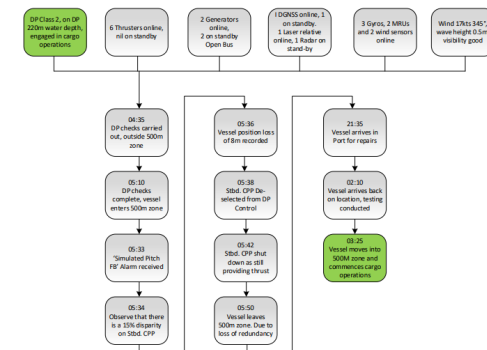
Vessel	
Location	
Client	
Date of event	
Reported by	
Rank/rating	
Report status (initial/final)	



DP Event Bulletin
03/21 – August 2021

The following case studies and observations have been compiled from information received by IMCA. All vessel, client, and operational data has been removed from the narrative to ensure anonymity. Case studies are not intended as guidance on the safe conduct of operations, but rather to assist vessel managers, DP operators and DP technical crew in appropriately determining how to safely conduct their own operations. Any queries should be directed to IMCA at dpreports@imca-int.com. Members and non-members alike are welcome to contact IMCA if they have experienced DP events which can be shared anonymously with the DP industry.

1 Worn Components Create Unwanted Thrust



WHAT ARE THE OBJECTIVES?

- To learn from failure – Lessons learnt disseminated
- To spot weak areas – Pick up on new failures
- To enable barrier management – Firm up guidance
- To find out the state of the industry – Increase/decrease
- Encourage reporting through a no blame culture

Event Categories



DP Observation

An event that has not resulted in a loss of redundancy or compromised DP operational capability, but is still deemed worthy of sharing

DP Undesired Events

A system failure, environmental or human factor which has caused a loss of redundancy and/or compromised DP capability

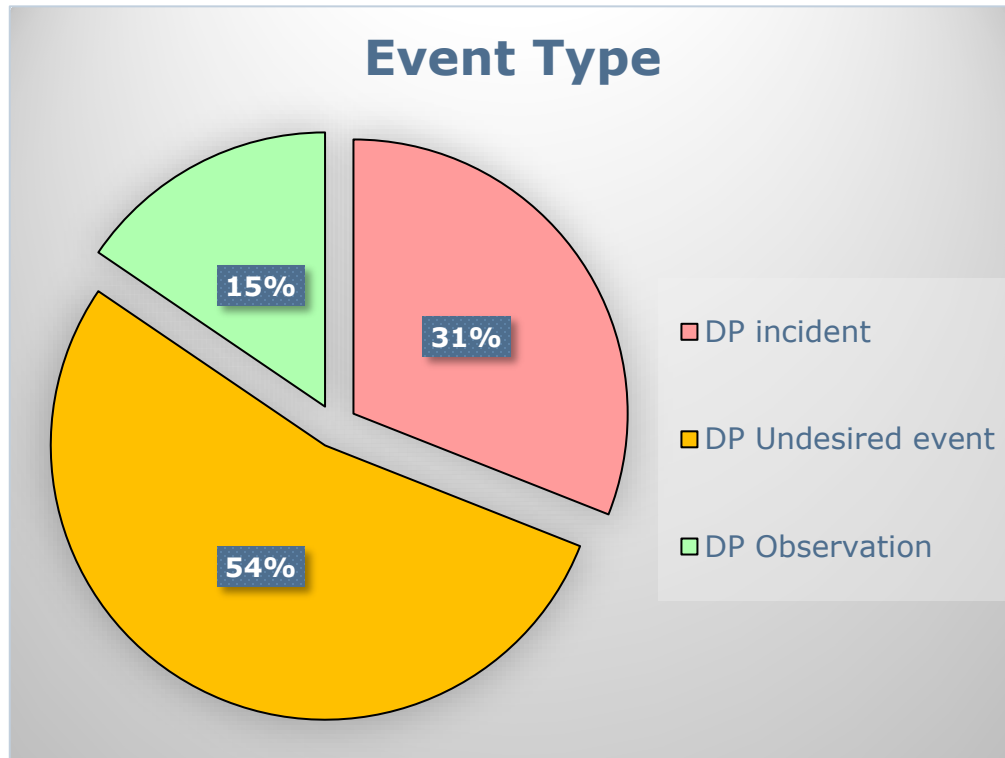
DP Incidents

A major system failure, environmental or human factor which has resulted in a loss of DP capability leading to loss of Position/Heading.



Overview of Numbers Jan 21 – Sept 22

600 Days



Event type	
DP incident	79
DP Undesired event	135
DP Observation	42
Total	256

Configuration	
Open Bus	216
Closed Bus	40

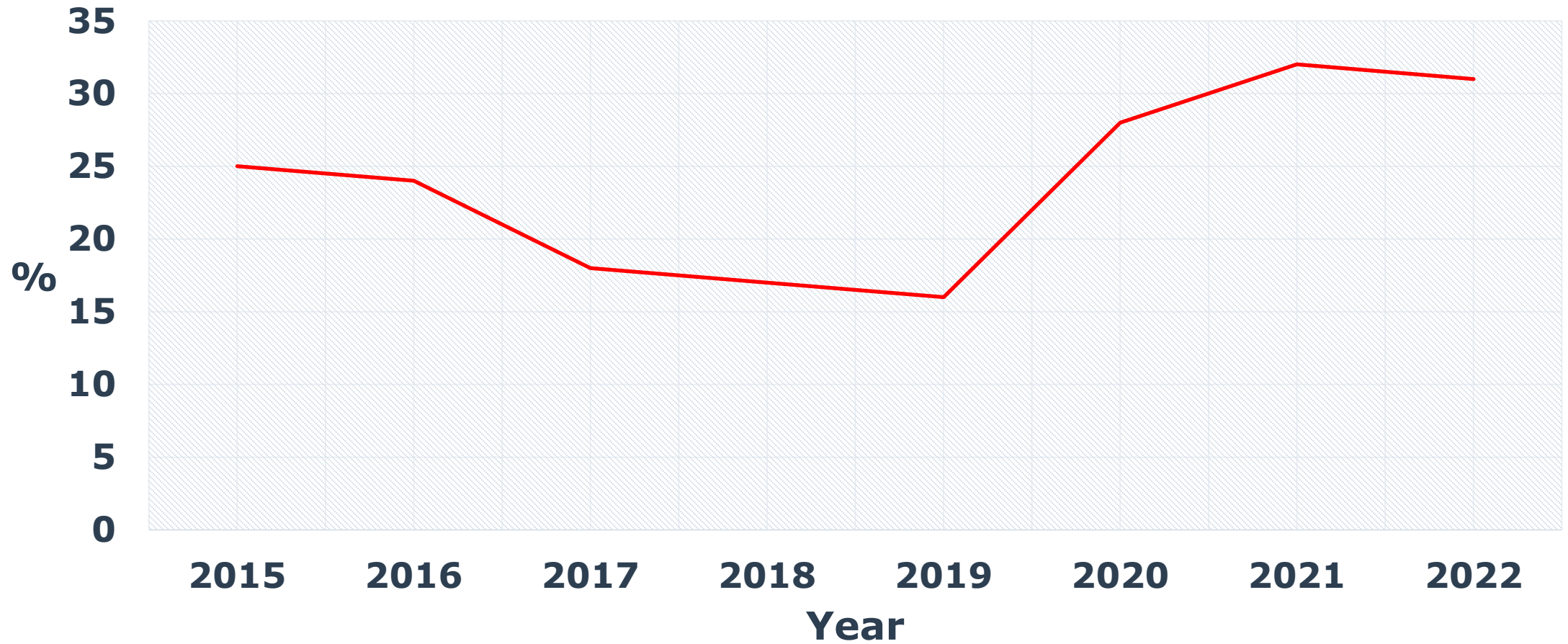
Initiating Factor	
Human	68
Non Human	188

Typically 1.3 Reports per vessel



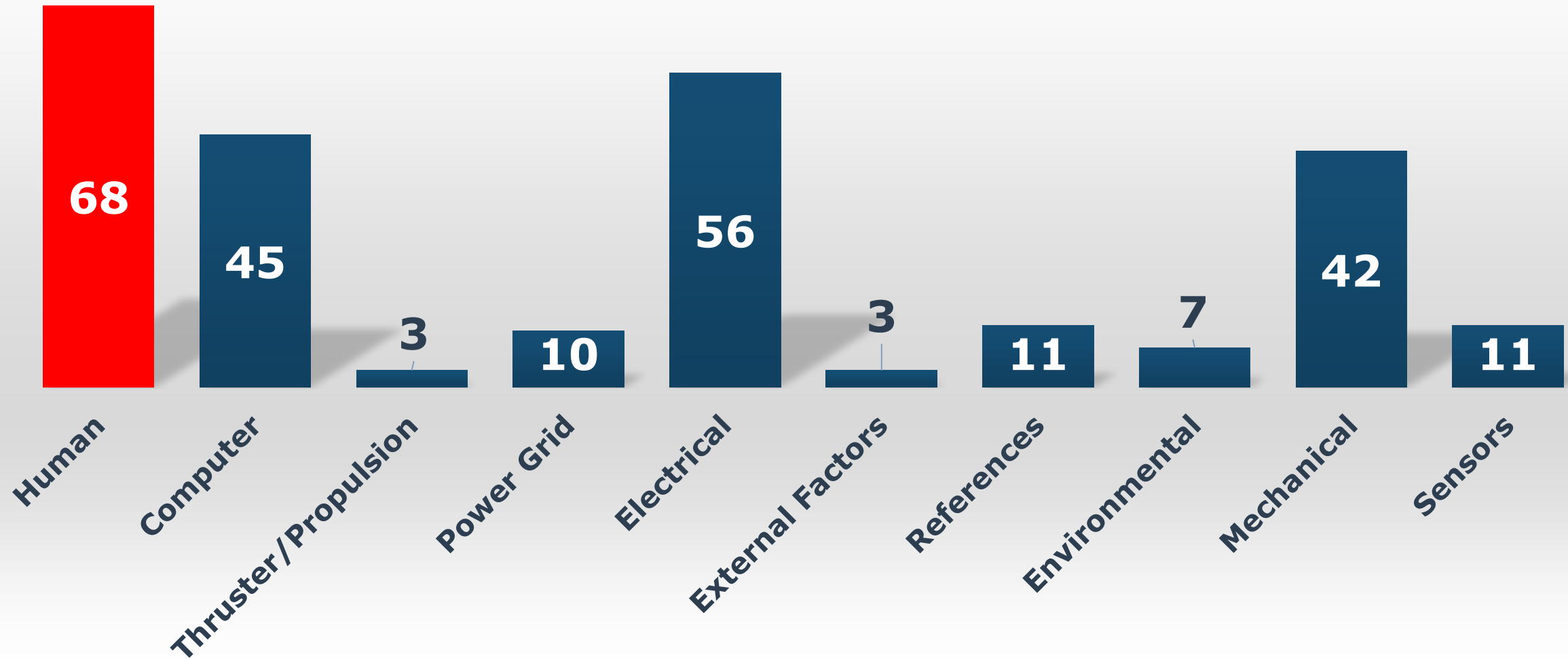
DP Incidents

% DP Incidents per Year

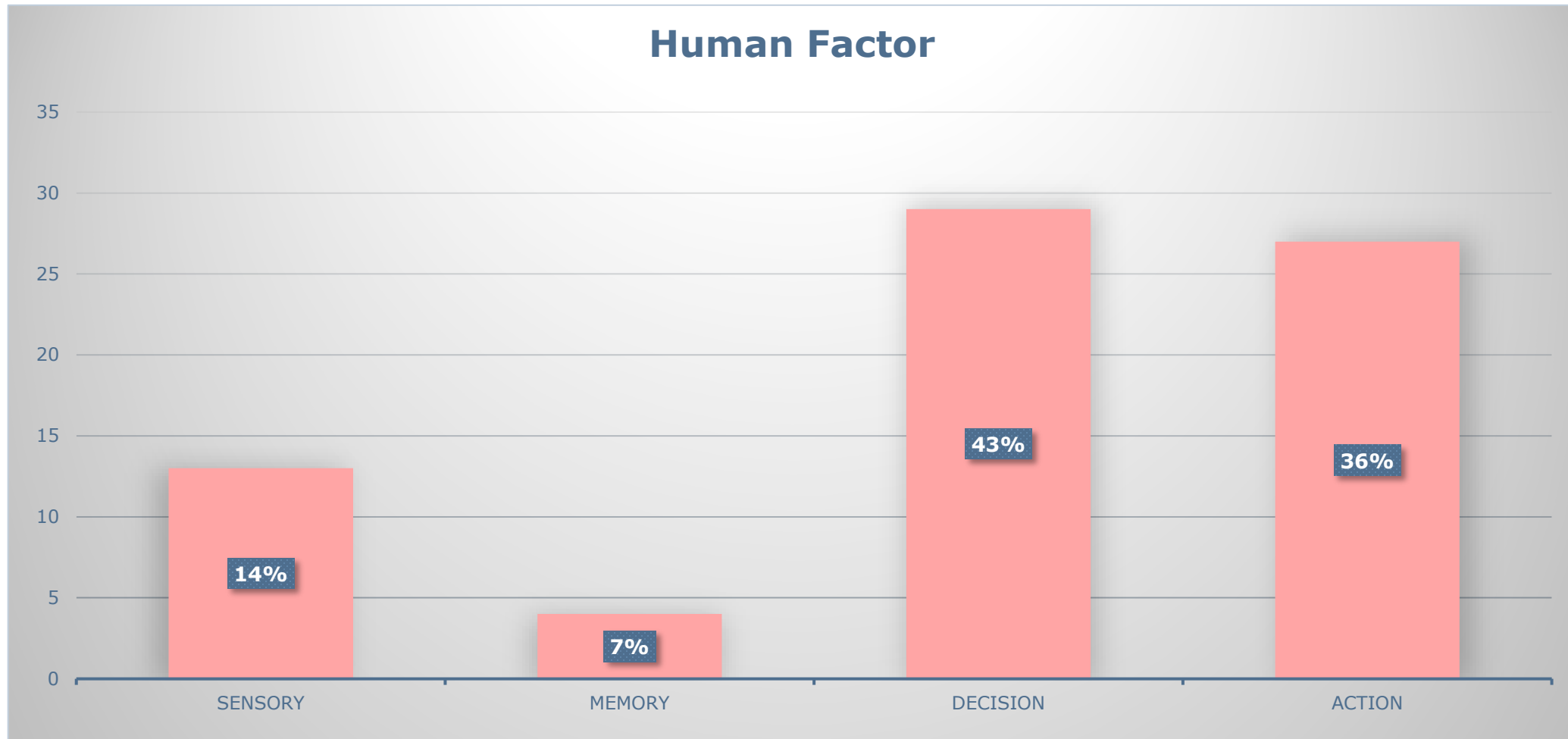


Secondary Causes

Trigger



Human Factor



- 68 Events Human Cause
- 79% Decision & Action
- 74% Resulting in Position Loss



Ways to reduce Human Factors

CPD - Continuous Professional Development

Aim

Improve safety, performance and efficiency for industry participants and the DP community

Delivery of programme

- Accessible to all Key DP Personnel
- Ensure technical knowledge of latest industry practices is up to date and measured
- Delivered on desktop and on mobile devices
- To Remain current with the latest IMCA / industry guidance, DP safety bulletins, DP exercise and training drills, and help prevent knowledge and skill fade



Reminds

Refreshes

Educates



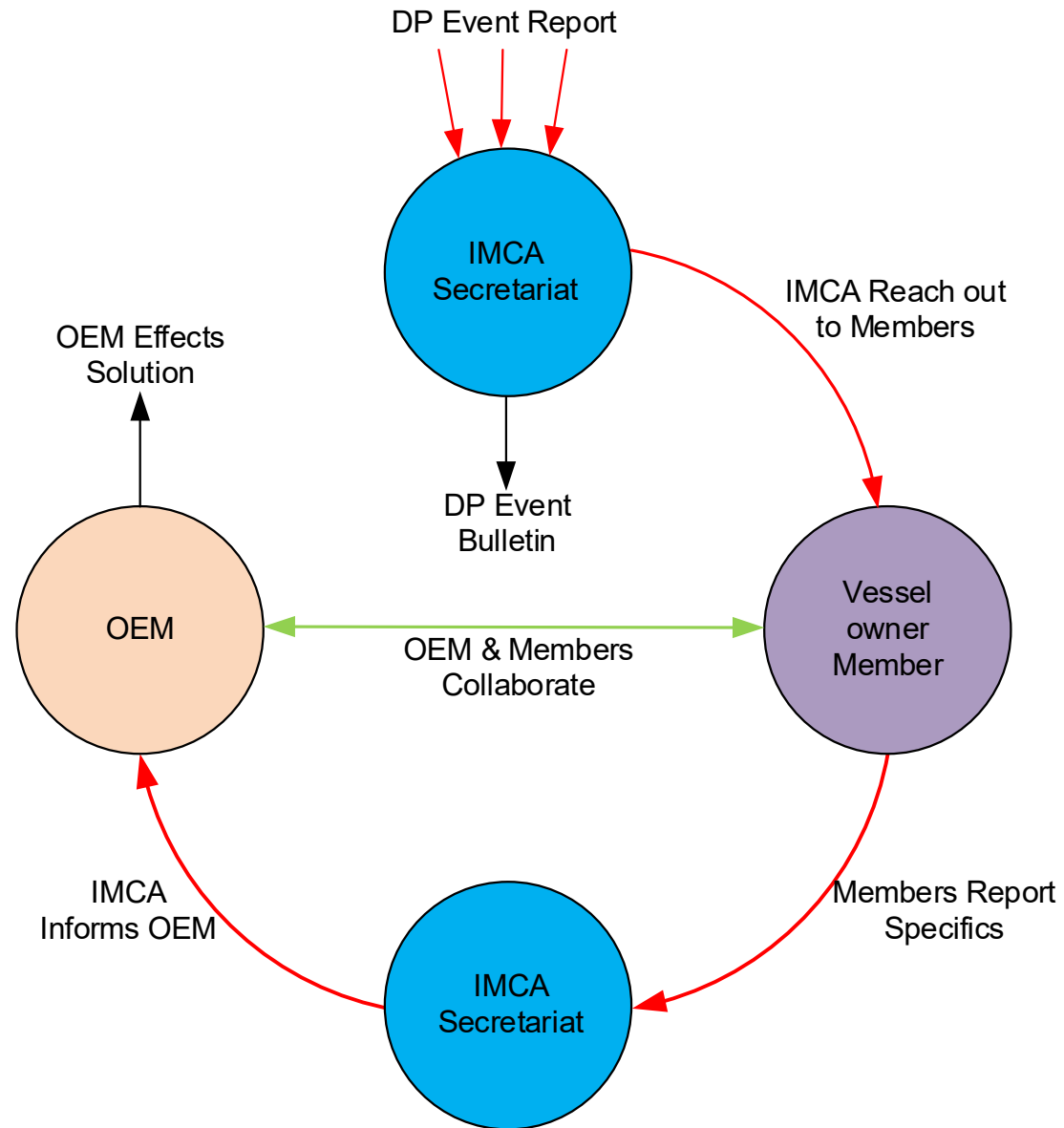
The What -What do we do with the Data?



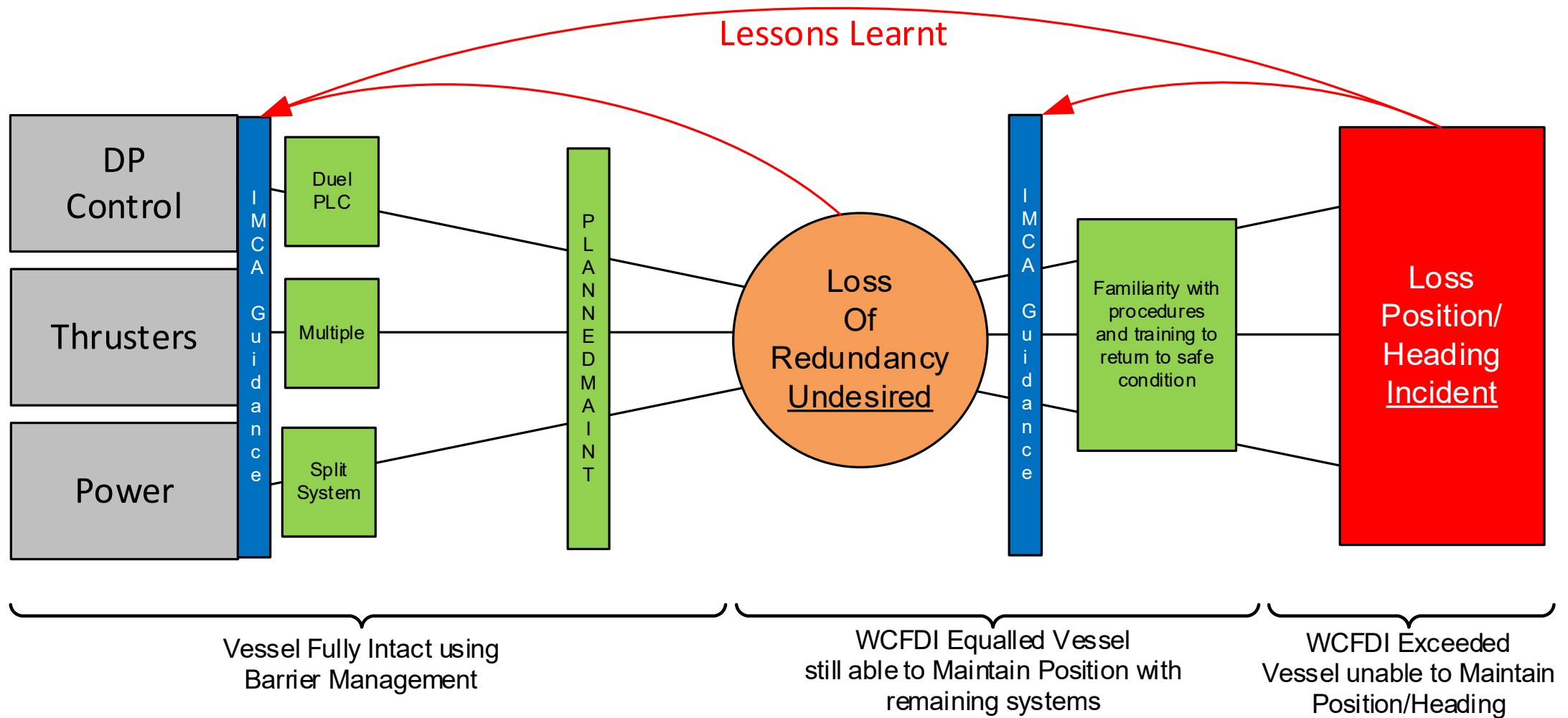
- Event Bulletins – 4 per year
- Committee Discussion Points
- Information Notes – As required
- Review of Guidance & Update - Regularly
- Pinpoint using CPD App



The Positive Impact



Bow Tie to Defend Loss of position



Summary



- Confidentiality / Anonymity
- Wealth of Data
- Human factors
- Publications / recommended practice
- The positives of reporting

Sadly Trends since 2019 are showing DP operations are less safe



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