

# DASOR TAXONOMY SYSTEM v4

This document is the complete DASOR Taxonomy, its purpose is to provide a quick reference guide for Investigators to assist in the codification of DASORS either by PDF or on ASIMS. The guide lists each of the taxonomies used within the Findings section of the DASOR, the Findings section is comprised of the Outcome, Cause and Causal Factors and each component must be coded when completing the DASOR.

## Outcome Taxonomy

### ATC/ABM/ALI

#### (Air Traffic/Battle Space Management)

##### Airfield Management

###### Airfield

- Arrestors/Barriers Availability Degraded
- Degraded/Inappropriate Infrastructure
- Emergency Power Failure
- Inadequate Lighting (Adequacy)
- Inadequate Markings
- Inadequate Signage
- Power Failure

###### Emergency Services

- Communication
- Response Effectiveness
- Response Time

###### Operating Surface

- Degraded Integrity
- Excursion
- Incursion

###### Wildlife Control

- Airfield Incursion
- Wildlife Strike

##### ATS Provision Error

###### Communication

- Circuit Information Error
- Clearance Error
- Congestion
- Coordination Error
- Essential Calls Error
- Handover Error
- Incorrect ATC English
- Liaison Error
- Warning Error

###### Service

- Avoiding Action Error
- Division of Attention
- Excessive Workload
- Incorrect Priorities
- Mis-identification
- Planning Error
- Reduced Capacity and Awareness
- Reduced Separation
- Scan Breakdown
- Sector/Console Management Error
- Track Allocation Error
- Traffic Information Error

##### FOD Exposure

###### FOD

- On Control Surface/Aircraft Skin
- On Ground/ASP
- Other

## Oversight/Procedure Error

### Checklists/Procedures

- Incorrect Brief/Out Brief/Debrief
- Not Followed
- Procedure Incorrect
- Procedure Misapplied
- Revision Management

### Positional Error

#### Airspace

- Altitude/Level Bust
- Altitude/Level Deviation
- Confliction
- Congestion
- Excursion
- Heading Deviation
- Incursion
- Infringement
- Overflight of a Winch Launch Glider Site

### RPAS

#### Mission Planning

- En-Route Procedures

#### Weapons Control

- Pre-Flight
- Clearance Error

### Technical Fault

#### Technical Fault

- Technical Fault

## Air Operations

### (Post Aircraft Captains Signature)

#### Degraded Aircraft Integrity

##### Item Detached from Aircraft

- Attached Loads
- Carry On Items
- Integral Component
- Observations
- Temporary Load

#### Degraded Environmental Conditions

##### Landing Visibility Decrease

- Brownout
- Red Illumination
- Visual Acuity
- Whiteout

##### Natural Operating Factor

- Abrasion
- Accretion
- Aquaplaning
- Contamination
- Hail Damage
- Icing
- Lightning Strike
- Solar Damage
- Visibility Decrease
- Wildlife Strike
- Wind Effect

#### Environmental Conditions

##### Natural Operating Factor

- Sinking Air
- Birdstrike

#### Emergency Procedures

##### Aircraft Escape

- Accidental Canopy Jettison
- Ejection
- Ground Egress/Evacuation
- In Flight Abandonment

##### Diversion/Deviation

- Forced
- Gliding Landout
- Unplanned

##### Fire/Smoke/Fumes/Explosion

- Explosion
- Fire
- Smoke/Fumes

##### In-flight Power Loss

- Engine Shutdown
- Reduced Power
- Power Loss
- Winch Launch Failure
- Winch Operator Error

##### Physiological

- G-LOC
- Hypoxia

## Illness

### Loss of Pressurisation

#### FOD Exposure

##### FOD

- In Aircraft
- In Cockpit/Cabin
- In Engine/Lift Fan
- On Control Surface/Aircraft Skin
- On Ground/ASP
- Other

#### Loss of Safe Separation

##### Airprox

- Co-operating
- Non Co-operating

##### CFIT

- Structure
- Surface
- Surface Based Object (Obstruction)

##### Collision (Ground/Hover/Manoeuvring)

- Aircraft
- Ground Equipment
- Personnel
- Structure e.g. Hangar
- Terrain
- Vehicle

##### Automatic Ground Collision Avoidance System (AGCAS)

- AGCAS Activation

##### Mid Air Collision (MAC)

- Co-operating
- Non co-operating

##### Near CFIT

- Structure
- Surface
- Surface Based Object (Obstruction)

##### TCAS-RA

- Confliction
- Erroneous Warning

##### UFIT

- Structure
- Surface
- Surface Based Object (Obstruction)

#### Oversight/Procedure Error

##### Approval/Supervision

- Authorisation Error/Exceedance
- Supervision Error

##### Checklists/Procedures

- Incorrect Briefing/Out Brief/Debrief
- Not Followed
- Procedure Incorrect
- Procedure Misapplied
- Revision Husbandry

##### Aircraft Documentation/IT

- Not Signed For

## Positional Error

### Airspace

- Altitude/Level Bust
- Altitude/Level Deviation
- Excursion
- Heading Deviation
- Infringement

### Navigation Error

- Navigation Kit Management
- Position
- Timing

## Specialist Activity

### AAR

- Unsafe Approach/Contact
- Unsafe Disengagement
- Unsafe Formation
- Unsafe Fuel Transfer

### Air Delivery (non-weapon)

- Unsafe Cargo Drop
- Unsafe Para Drop

## Systems Mismanagement

### Fuel

- Battery Failure (RPAS)
- Contamination
- Incorrect Fuel Type
- Incorrect Quantity
- Jettison
- Mis-management

### Systems Operation

- Operational Limit Exceeded
- Switch Position/Control Selection Error

## Technical Fault

### Technical Fault

- Technical Fault

## Unintended Consequence

### Unintended Effect

- Disturbance
- Downwash
- EM Radiation
- Jetwash
- Noise
- Prop Wash
- Vibration

## Unsafe Aircraft Configuration

### Ordinance/Role Equipment/USL

- Inadvertent Release/Jettison
- Unsafe Carriage
- Unsafe Release/Jettison

## Unsafe Aircraft Handling (Air)

### Approach

- Incorrect Configuration
- Missed Approach
- Unstable Approach

### Control of Aircraft

- Aircraft Overstress
- Control Restriction
- Insufficient/Undercontrol
- Lost GPS (RPAS)
- Pilot Induced Oscillation
- Spin/Loss of Control
- Stall
- Uncommanded Manoeuvre

### Landing

- Barrier Engagement
- Cable Engagement
- Deep Landing
- Ditching
- Ground Loop
- Hazardous Landing
- Heavy/Hard Landing
- Overshoot
- Precautionary Landing
- Runway Excursion
- Runway Overrun
- Undershoot
- Unplanned Recovery (RPAS)
- Wake Turbulence
- Wing Drop

### Lost Link (RPAS)

- Deviation from Clearance
- No deviation from Clearance

### Take Off

- Aborted Take Off
- Failed Launch (RPAS)
- Hazardous Take Off
- Incorrect Configuration
- Runway Excursion
- Runway Overrun
- Wake Turbulence
- Wing Drop

## Unsafe Aircraft Handling (Ground)

### Aircraft Ground Handling

- Handling
- Marshalling
- Safety Pins/Flags/Blanks
- Towing

### Taxiing

- Operating Surface Excursion
- Runway Incursion

## Airworthiness

(Depth Activity, inc Aircraft Manufacture)

### Maintenance Management Issue

#### Apply Limit

- Documentation
- Non-Compliant
- Procedure Incorrect
- Procedure Misapplied

#### Component Cannibalisation

- Authorisation
- Records
- Requirement

#### Configuration Control

- Configuration Error

#### Data

- Analysis Error
- Collection
- Integrity

#### Defect Deferral

- Documentation
- Non-Compliant
- Procedure Incorrect
- Procedure Misapplied

#### Extension

- Documentation
- Non-Compliant
- Procedure Incorrect
- Procedure Misapplied

#### Installation

- Inadequate Training
- Incorrect Installation
- Incorrect Tools

#### Modification

- Incompatible
- Not Embodied
- Not Recorded
- Unauthorised

#### Monitor and Control

- Monitoring and Control Error

#### Operational Constraints

- Enemy Action
- Natural Environmental Conditions
- Physical Environmental Conditions

#### Plan and Schedule

- Delay
- Planning Error
- Schedule Error

#### Scheduled Task

- Forecast
- Incomplete
- Overdue
- Records

## Support to Forward Organisation

### Maintenance

- Repair

### Technical Record (Log)

- Information Integrity
- Information Validity

### Policy Issue

#### Directive

- Inappropriate Timescales
- Unclear Direction

#### Mitigation Strategy

- Disproportionate
- Inappropriate
- Ineffective
- Unaffordable

#### Publications

- Husbandry Error
- Inaccuracy
- Insufficient Availability

#### Standards/Requirements

- Ambiguous
- Communication Issue
- Contradictory
- Inconsistent

#### Training

- SQEP

### Project Management Issue

#### In to Service Plan

- Contract Error
- Financing Error
- Non-compliant
- Planning Error

#### Performance

- Specification Error
- Under Performance

#### Procurement

- Financing Error
- Insufficient
- Non-compliant
- Planning Error

#### Risk

- Error in Management
- Hazard Not Identified
- Not ALARP

### Technical Fault

#### Technical Fault

- Technical Fault

**General**  
(All other inc Personal Injury, Hostile Action, Organisational)

Hostile/Unfriendly Action

Kinetic Attack

Air-Air  
Air-Ground  
Ground-Air  
IED

Indirect Fire  
Sabotage  
Small Arms Fire

Non-Kinetic Attack

Cyber  
Electronic Warfare  
Illumination

Organisational Fault

Organisational Fault

Equipment  
Infrastructure  
Information  
Logistics  
Organisation  
Personnel  
Policy/Doctrine  
Training  
Working Together (Interoperability)

Other

Other

Other

Personal Injury

Personal Injury

Caught in/On/Between  
Hazard Contact/Exposure  
Incorrect Technique  
Slip/Trip/Fall  
Struck By

**Ground Operations**  
(Forward Activity to Pre Captains Signature)

Emergency Procedures

Fire/Smoke/Fumes/Explosion

Explosion  
Fire  
Indication/Warning  
Smoke/Fumes

FOD Exposure

FOD

In Aircraft  
In Cockpit/Cabin  
In Engine/Lift Fan  
In Open System  
On Control Surface/Aircraft Skin  
On Ground/ASP  
Other

Failure to maintain safe separation

Collision – Involving Aircraft

Aircraft  
Ground Equipment  
Personnel  
Structure e.g. Hangar  
Vehicle

Collision – Non Aircraft

Ground Equipment  
Personnel  
Structure e.g. Hangar  
Vehicle

Maintenance Activity Error

Aircraft Documentation/IT

Ambiguity  
Data Integrity  
Incomplete  
Not Signed For  
Release of an unairworthy aircraft  
Signed in Error

Fault Diagnosis

Failed to Isolate Fault  
Inconclusive Functional Test  
Inconclusive Inspection  
Inconclusive Operational Test  
System Left in Unsafe Condition

Fuelling

Connection Issue  
Contamination  
Incorrect Fuel Type  
Incorrect Quantity  
Panels/Access Not Secure  
Spill

Fault Diagnose

Failed to Isolate Fault  
Inconclusive Function Test  
Inconclusive Inspection  
Inconclusive Operational Test  
System left in Unsafe Condition

Installation/Repair

Equipment/Part Missing  
Incorrect Assembly/Installation  
Incorrect/Unsafe Part  
Panels/Access Not Secure  
Part/Item Damaged  
System Left in Unsafe Condition

Servicing

A/C Component Condition/Serviceability  
Jacking  
Not Carried Out  
Panels/Access Not Secure  
Replenishment Error  
Safety pins/Flags/Blanks  
Damage to Aircraft  
Tasking Error

Oversight/Procedure Error

Approval/Supervision

Authorisation Error/Exceedance  
Supervision Error

Checklists/Procedures

Incorrect Briefing/Out Brief/Debrief  
Not Followed  
Procedure Incorrect  
Procedure Misapplied  
Revision Management

Security Compromised

Cyber

Cyber Security Event  
Data Integrity; Poor / Missing  
Incorrect Load  
Lack of / Incorrect Hardware  
Lack of / Incorrect Software  
Lack of / Incorrect training for system  
Unable to Load

Physical Security

Security Compromised  
Threat to Aircraft/Equipment  
Threat to Personnel

Technical Fault

Technical Fault

Technical Fault

Unsafe Aircraft Handling (Ground)

Aircraft Loading

Incorrect Configuration  
Loading/Off Loading Error  
Weights/Measures Error

Aircraft Movements

Marshalling Error  
Parking/Restraint/Hangarage Error  
Safety Pins/Flags/Blanks  
Towing Error

Vehicle/GSE/Tools/Equipment

Ground Support Equipment/Vehicle

Defective  
Handling

Husbandry/Storage  
Improper Use  
Maintenance Error  
Tools and Equipment  
Defective  
Handling  
Husbandry/Storage  
Improper Use  
Maintenance Error  
Not Controlled

Cause Taxonomy

Environmental

Airborne Particulates

Abrasion  
Accretion  
Chemical Etching  
Visibility

Physical Environment

Bird Activity  
Contamination  
Immersion/Splash  
Sea State  
Terrain  
Wildlife Activity

Weather

Changing Weather  
Clear Air Turbulence  
Cold  
Crosswind  
Hail  
Heat  
Humidity  
Icing  
Lightning  
Precipitation  
Space Weather  
Tailwind  
Thunderstorm  
Turbulence  
Visibility  
Wind  
Wind Shear

Human Factors Performance

Action/Execution

Cognitive Breakdown  
Control/Handling  
F2FP - Following Incorrect  
Process/Procedure  
F2FP - Inappropriate

Process/Procedure  
 F2FP - Intentional and Unauthorised Deviation From a Suitable Process/Procedure  
 F2FP - Undetermined Deviation From Suitable Process/Procedure  
 F2FP - Unintentional Deviation From Suitable Process/Procedure  
 Human Fatigue  
 Operation/Use  
 Other  
 Previous synthetic action/Decision  
 Cause Undetermined  
 Cause Undetermined  
 Decision – Hazard Plan/Mitigation  
 Option/Decision Process  
 Perception – Situational Awareness  
 Hazard Assessment  
 Hazard Awareness  
Non-Service Control  
 Non-Service Control  
 Non-Service Control  
Technical  
 Design/Manufacture  
 Faults/Flaws  
 Material Spec  
 Not Fit For Purpose/Unsatisfactory Eqpt  
 Fault Not Positively Determined  
 Fault not Positively Determined  
 Operational/Performance  
 Design Limit  
 Failed to Function as Designed  
 Wear and Tear  
 Worked Loose/Disconnected  
Unfriendly/Hostile Action  
 Unfriendly/Hostile Action  
 Unfriendly/Hostile Action  
 Causal Factors Taxonomy  
Environmental Factors  
 Natural Environment  
 Airborne Particulates  
 Bird Activity  
 Changing Weather  
 Clear Air Turbulence  
 Cloud  
 Cold  
 Crosswind  
 Hail  
 Heat  
 Humidity  
 Immersion/Splash  
 Light Levels  
 Lightning  
 Precipitation  
 Sea State

Space Weather  
 Tailwind  
 Terrain  
 Thunderstorm  
 Turbulence  
 Visibility  
 Wildlife Activity  
 Wind  
 Wind Shear  
 Workspace  
 Air Pressure  
 Configuration/Layout  
 Ergonomics  
 Life Support  
 Lighting  
 Manoeuvring Forces in Flight  
 Manoeuvring Forces on Ship  
 Noise  
 Safety  
 Signs/Markings  
 Temperature  
 Ventilation  
 Vibration  
 Visibility  
Individual Factors  
 Competence  
 Experience  
 Knowledge  
 Skills  
 Performance  
 Actions/Execution  
 Compliance  
 Decision Making Process  
 Distraction  
 Hazard Awareness/Perception  
 Human Fatigue  
 Perceived Pressure/Stress  
 Performance  
 Task Fixation  
 Workload  
 Precondition  
 Emotional State  
 Health  
 Learned Behaviours  
 Mental Capacity  
 Physical Capacity  
 Physical Characteristics  
 Sensory Ability  
Non Identified  
 Non Identified  
 Non Identified  
Non -Service Control  
 Non -Service Control

Non -Service Control  
Organisational Factors  
 Acquisition/Provision  
 Equipment  
 Finance  
 IT  
 Infrastructure  
 Logistics  
 Personnel  
 Training  
 Communication  
 Between Organisations on task  
 Others affected by task or outcome  
 Within Organisations on task  
 Culture  
 Commercial  
 Leadership  
 Operational  
 Safety  
 Information  
 Aeronautical  
 Geographical  
 Marine  
 Management  
 Change  
 Program  
 Safety/Risk  
 Structure  
 Policy/Doctrine  
 Doctrine  
 Policy  
 Requirement  
 Regulation/Oversight  
 Assurance  
 Documents  
 Guidance  
 Regulation  
Team/Task Factors  
 Communication  
 Between teams on task  
 Others affected by task or outcome  
 Within team on task  
 Culture  
 Leadership  
 Normal Practise  
 Ops Tempo  
 Workload  
 Management  
 Change  
 Resources/CRM  
 Safety/Risk  
 Structure  
 Planning  
 Aims/Expectation  
 Coordination/De-confliction  
 Information

Team Composition  
Process/Task  
 Change  
 Clarity  
 Complexity/Difficulty  
 Irregular Activity  
 Procedures  
 Regular/Repetitive Activity  
 Provision  
 Equipment  
 Finance  
 IT  
 Personnel  
 Training  
 Regulation  
 Assurance  
 Authorisation  
 Currency/Proficiency  
 Documents/Orders  
 Guidance  
 Supervision  
Technical Factors  
 Aircraft  
 Access/Egress  
 Assembly  
 Configuration  
 Ergonomics  
 Function  
 Identification  
 Layout/Space  
 Manufacture  
 Normal Wear and Tear  
 Performance  
 Sensory Feedback  
 Equipment/Tools  
 Access/Egress  
 Assembly  
 Configuration  
 Ergonomics  
 Function  
 Identification  
 Layout/Space  
 Manufacture  
 Normal Wear and Tear  
 Performance  
 Sensory Feedback  
 Effects Taxonomy  
 Aircraft or Equipment Damage  
 Down Time (Days)

**Environmental Impact**

**Financial Cost**

**Flight Effect**

**Duty Not Carried Out**

**Duty Partially Carried Out**

**Flying Program Delayed**

**Inability to Deliver Weapon**

**Sortie Cancelled**

**Nil Effect**

**Operational Output Degraded**

**Personal Injury**

**Reputational Impact**

**Workforce Hours Expanded**

**Workload Effect**

**Degraded Service**

**Person-hours Expanded**

**Reduced Capacity**