

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

Runway Incursion

Navigation Error

Navigational 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
Sink
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

Bird Strike
Design Limit
Failed to Function as Designed
Wear and Tear
Wildlife Strike
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
Sink
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