

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 (Helicopter)

- Brownout
- Red Illumination
- 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

- 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

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

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

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
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
Mental Capacity
Physical Capacity
Physical Characteristics
Sensory Ability
Synthetic
Non Identified
Non Identified
Non Identified
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