

# TECHNICAL FAULT TAXONOMY SYSTEM v4

This document is the complete DASOR Technical Fault Taxonomy, its purpose is to provide a quick reference guide for Maintenance Personnel and Occurrence Managers to assist in the codification of DASORS either by PDF or on ASIMS.

The Guide lists the Major Systems, Sub-Systems and Types of Failure/Fault used within the Technical section of the DASOR.

## Level 1 – Major System

### Level 2 – Sub-System

#### Air Conditioning

- Aircraft Heating
- Anti-G
- Cabin Conditioning
- Cabin Pressurisation
- Equipment Conditioning

#### Air Defence Radar

- Processing/Display
- Receiver
- Transmitter

#### Air Despatch Equipment

- 108" Medium Stressed Platform (MSP)
- 108" Platform Universal Rigid Inflatable Boat Aerial Delivery (PURIBAD 21)
- Container Delivery System (CDS)
- Free Drop Aerial Delivery (FDAD) From Helicopters
- Light Stores
- Maritime Modular Platform (MMP)
- Platform Rigid Inflatable Boat Aerial Delivery (PRIBAD 21)
- Supply Platform Aerial Delivery (SPAD) System

#### Aircraft Safety and Emergency Equipment

- Canopy Jettison
- Crew Restraint Harness
- Door/Hatch Jettison
- Ejection Seat
- Escape Rope/Chute
- Failure to Set Safety Devices
- Fire Bottle
- Flotation Equipment
- MDC
- Parachute
- Quick Release Fastener
- Smoke Detector
- Sonar Locator Beacon

#### Airfield Equipment

- Airfield Lighting
- Arrestor Gear
- Power Supply/Distribution

## Airframe

- Aerial/Probe
- Avionics Shelf
- Bomb Bay
- Cabin
- Canopy
- Cargo Hold
- Cockpit
- Cowling
- Door
- Engine Bay
- Engine Bay Door
- Fuselage
- Instrument Panel
- Interior Fitting
- Lights
- Nose
- Panel
- Pylon
- Radome
- Ramp
- Seat
- Snow Guards
- Soundproofing
- Sponson
- Tail
- Tail Pylon
- Tail Stinger/Hockey Stick
- Tailcone
- Thermal Blanket
- Window
- Windscreen
- Windscreen Wipers
- Wing
- Wing Fold Mechanism

## Lighting Gear

- Combined Alighting Gear Indication
- Main Landing Gear
- Nose Landing Gear
- Outrigger
- Shock Absorber
- Skids
- Tail Landing Gear
- Tyre
- Wheel

## Armament

- Bomb
- Chaff
- Flare
- Gun
- Missile

## Avionics

- ADF
- AOA Indicator
- ASI
- Accelerometer
- Air Radar
- Altimeter
- Attitude Indicator
- Autopilot
- Central Tracker System
- Compass/Gyro System
- Crypto
- Crypto Loader
- Databus
- Doppler
- ECM
- ESM
- FLARM
- FLIR
- Fuse
- GPS
- GPWS
- General Instrument
- HDD
- HUD
- Heading Indicator
- IFF/SIFF
- ILS Glideslope
- INS
- Laser Ranger
- MADGE
- Management System
- Master Caution
- Navigation/Approach Aid
- Passive Identification Device
- Pitot Static System
- ROAWS
- RWR
- Radar
- Radar Altimeter

## RoC/RoD Indicator

- SSR
- Software
- Sonar
- Stores Management System
- TACAN
- TCAS
- Terrain Following Radar
- Transponder
- Turn and Slip Indicator
- Warning Panel
- Weapons Aiming System

## Braking

- Anti-Skid
- Arrestor Hook
- Brake Parachute
- Parking Brake
- Wheel Brakes

## Communications

- Aerial
- Communication Control System
- Crypto
- Crypto Loader
- Data Link
- Emergency Frequency
- HF
- Homer
- Intercom
- Main Radio
- Megarupture 2
- Microphone
- Peripheral CIS
- Secure Comms
- Standby Radio
- Tele-Brief
- UHF
- VHF

## DME/VOR

- Processing/Display
- Receiver
- Transmitter

## Electrical Power Supply

- AC System
- Auxiliary Power Unit
- Battery
- Busbar

Centralised Warning System  
Circuit Breaker  
DC System  
Electrical Control  
Emergency System  
External Lighting  
External/Ground Power  
Fuse  
Galley  
Generator/Alternator  
Ground Connection (Earth Connection)  
Internal Lighting  
Inverter  
Landing Lights  
Navigation Lights  
Ram Air Turbine  
Transformer Rectifier Unit  
Wiring

### Engine

APU/Gas Turbine Starter  
Anti-Icing  
Bleed Air System  
Combustion Chamber  
Compressor  
Control  
Cooling  
Cross Drive  
EAPS  
Engine Monitoring  
Exhaust/Nozzle  
Fire Detection  
Fire Protection  
Fuel  
Gearbox  
Heat Exchanger  
IGV/BV  
Ignition/Relight  
Intake  
Oil System  
Reheat  
Reverse Thrust  
Secondary Power System  
Starter System  
T/P Gauge  
Throttle Control  
Turbine

### Environmental Protection System (Ice and Rain)

Anti-Icing  
Ice Detection  
Water Repellent  
Windscreen Clearance  
Windscreen Wipers

### Flying Clothing/Survival Equipment

Air Ventilated Suit  
Aircrew Life Preserver  
Anti-G clothing  
Body Armour  
Boots  
CEP  
Clothing  
Crew Accessories  
FRDCC  
Gloves  
HMD  
Helmet  
Immersion Suit  
Liquid Cooled Suit  
Mask  
NBC Equipment  
Oxygen Regulation  
Passive Night Goggles  
Personal Equipment Connector  
Personal Locator Beacon (PLB)  
Pressure Jerkin  
Spectacles  
Visor

### Flying Controls

AFCS/Autostab  
Aileron  
Airbrakes  
Artificial Feel  
Auto Low Speed Recovery  
Boundary Layer Control  
Collective  
Cyclic  
Elevator  
Flaps  
Foreplanes  
Head Mounted Equipment  
Pitch  
Roll  
Rudder  
Slats  
Spoilers  
Stability Augmentation  
Stickshaker  
Tailerons  
Trim  
Wingsweep  
Yaw

### Fuel

Contents  
Control  
Defule  
Dump  
External Fuel Tank  
Ferry Tanks

Filler Cap Filter  
Flight Refuelling  
Fuel Cooling  
Fuel Management  
Fuel Pipe  
Fuel Pressurisation  
Fuel Pump  
Fuel Transfer  
Gauges  
Internal Fuel Tank  
Refuel

### Glider Winch

Cable  
Chassis  
Controls  
Covers  
Drivetrain  
Drum  
Glass  
Guillotine  
Lights  
Rollerbox  
Tyres

### HDRF

Processing/Display  
Receiver  
Transmitter

### Hangarage

Building/Roof/Floor  
Doors  
Facilities  
Lighting

### Hydraulic Power

Accumulator  
Fluid  
Gauging  
Pipework  
Powered Flying Controls  
Pump  
Ram Air Turbine  
Reservoir  
Services Hydraulic Power

### ILS

Processing/Display  
Receiver  
Transmitter

### Monitoring/Recording Equipment

Cockpit Video Recorder  
Cockpit Voice Recorder  
Flight Data Recorder  
Health and Usage Monitoring System  
Other  
Utility

### Off Aircraft Support Equipment - Land

Clothing  
Jacks  
Line Equipment  
Other  
PPE  
Staging  
Support Equipment  
Tools  
Vehicle

### Off Aircraft Support Equipment - Maritime

Communications  
Firefighting  
Fuel  
Other  
RADAR  
Ships Power Supplies  
Ships Powerplant

### Oxygen

Control  
Emergency Oxygen  
Gaseous  
LOX  
MSOCS  
OBOGS  
Pipes  
Reservoir

### PAR

Processing/Display  
Receiver  
Transmitter

### Parachute

LLP  
LLRP  
BT380  
LPS CT  
LPS SO  
BT80FF  
BT80SL  
BT533  
MTTB

### PSR

Processing/Display  
Receiver  
Transmitter

## Propellers/Rotables/Transmissions

Actuator  
Blade Fold  
Clutch  
Couplings  
Drive Shaft  
Emergency Lubrication System  
Gearbox  
Head  
Intermediate Gearbox  
Main Rotor/Blades  
Oil Cooler  
Panel  
Pitch Change Rod  
Propeller  
Propeller Control  
Rotor Brake  
Rotor Lag Damper  
Rotor Overspeed  
Supply  
Swashplate  
Synchronisation  
Tail Rotor  
Torque Control  
Transmission  
Transmission Oil

## Radios

CCS  
Data Links  
Multi-Channel  
Processing / Display  
Receiver (UHF)  
Receiver (VHF)  
SSSB  
Standby  
Transmitter (UHF)  
Transmitter (VHF)  
VCS

## Role Equipment

ALQ-157  
Air Cargo Equipment  
Aircraft Blanks  
Armour in cockpit  
Centrisep (Sand filter)  
Cockpit Access Platform  
Decoy  
ECM  
EMI Filter  
Emergency Electrical Hoist  
External Store(s)  
FRCS  
Fast/Rapid Roping Equipment  
Flight Refuelling Equipment  
Flight Test Instrumentation  
Harpoon (Standard fit on Merlin and Lynx)  
IR Detector/Sensor  
Lifting/Towing Equipment

Light  
Load Hook  
M134  
Pod (unspecified)  
Recce Equipment  
Rescue Hoist  
Restraining Strap  
Sea Tray  
Smoke  
Stretcher  
Tactical Sensor

## SSR

Processing/Display  
Receiver  
Transmitter

## TACAN

Processing/Display  
Receiver  
Transmitter

## Level 3 – Type of Failure/Fault

Adjustment  
Arcing/Sparking  
BVID  
Binding  
Blocked  
Broken/Shattered/Burst  
CB Trip/Fused Electrical  
Chip Detector Warning  
Collapsed  
Contaminated/Contamination  
Contents  
Control Difficulty  
Control Movement  
Control Restriction  
Corroded  
Corrupted  
Cracked/Split/Punctured  
Current Electrical  
Dented/Damaged  
Detached Part(s)  
Discharged  
Discomfort  
Disconnected  
Emergency System Used  
FOD  
Fade  
Failed to Extend  
Failed to Lock  
Failed to Operate  
Failed to Operate in Correct Sense  
Failed to Relight  
Failed to Retract

Fails to Tune  
Failure Intermittent  
Failure Mechanical  
Failure Multiple  
Failure Partial  
Failure Total  
Failure/Damage Structural  
Fastening  
Fire  
Fire warning  
Fitment/Installation  
Frayed  
Frequency  
Frequency (EM interference)  
Frequency (Fluctuation)  
Frequency (Under/Over)  
Fumes/Smoke  
Gas leak  
Hardened  
Heat Damage  
Heated Over  
Icing  
Idled  
Inadvertent Operation  
Indication  
Inflation Over  
Inflation Under  
Ingress Moisture/Water/Misting/Fogging  
Insulation breakdown  
Interference Electrical  
Interference Mechanical Fouling  
Leak/Leaking  
Loose Item/Part  
Missing Item/Part  
No Damage  
No Fault Found  
No Failure Indication  
Open(ed)  
Oscillated/Oscillation  
Poor condition or fit  
Power Failure/Loss  
Power Fluctuation  
Power High  
Power Low  
Pressure Drop  
Pressure Over  
Pressure/Flow Fluctuation  
Pressure/Flow High  
Pressure/Flow Low  
Pulled  
Radio Lockout

Radio Noise  
Receive  
Replenishment Over  
Replenishment Under  
Restriction  
Reversion to Manual Control  
Rough running  
Rundown/Flameout  
Scheduled Maintenance Overdue  
Seizure/Fused Mechanically Bonded  
Short  
Sidetone  
Snagged  
Sbapped  
Speed Over  
Speed Under  
Stabilisation  
Surface Degraded  
Surge  
Symbology  
TGT High  
Temperature Fluctuations  
Temperature High  
Temperature Low  
Thermal runaway  
Torn  
Transients  
Transmit  
Tripped  
Uncommanded Movement  
Unintelligible  
Unknown  
Unlocked  
Venting  
Vibration Caption  
Vibration/Noise  
Voltage  
Warning Caption  
Worn