

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

Cable Release

- Aerotow Unit
- Centre of Gravity Unit
- Cables

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
- Battery
- Busbar

DME/VOR

- Processing/Display
- Receiver
- Transmitter

Electrical Power Supply

- AC System
- Auxiliary Power Unit
- 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
- Filler Cap Filter

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