

TECHNICAL FAULT TAXONOMY SYSTEM v3

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)
- ree Drop Aerial Delivery (FDAD) From He copters
- 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
Anti-G clothing
Body Armour
Boots
CEP
Clothing
Crew Accessories
FRDCC

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
Defuel
Dump
External Fuel Tank
Ferry Tanks
Filler Cap Filter

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

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

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
p D g
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
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