

I. Introduction

- Abbreviations
- Icon Legend
- Resources

II. Takeoff Performance Computation

- Limitation Legend
- Corrections
- Maximum Takeoff Performance (Full Thrust Method)
- Reduced Takeoff Performance (Assumed Thrust Method)
- Non availability of "Bleeds OFF" RTOM Table
- Contaminated Runway Takeoff Performance
- Dispatch with PMC OFF Takeoff Computation
- Dispatch with Antiskid INOP Takeoff Computation

III. General Management

- Non-normal Management
- Rejected Takeoff
- Quick Turnaround / Brake Cooling
- Land at the nearest suitable airport
- Re/De-Fueling
- Fuel Imbalance
- Engine start problems
- Engine Overheat
- Engine Failure before V1
- Engine Failure at or after V1
- Engine Failure at Takeoff (airborne)
- Engine Failure in cruise
- Engine Failure (additional info)
- Engine Operation during moderate to severe icing
- Continuance on final approach
- V-speed correlation
- Overweight Landing
- Precision Approach
- Non Precision Approach
- Circling
- Maximum X-Wind and Tailwind
- Takeoff on contaminated or slippery runway
- Landing on contaminated or slippery runway
- Flight Director Logic during 1# and 2# Takeoff and Go-Around

Windshear
Radio Communication Failure
RVSM
Smoke
Bomb
Fire Drill
Hijacking

IV. Systems

- 1 Airplane General, Emergency Equipment, Doors, Windows
- 2 Air Systems
- 3 Anti-Ice, Rain
- 4 Automatic Flight
- 5 Communications
- 6 Electrical
- 7 Engines, APU
- 8 Fire Protection
- 9 Flight Controls
- 10 Flight Instruments, Displays
- 11 Flight Management, Navigation
- 12 Fuel
- 13 Hydraulics
- 14 Landing Gear
- 15 Warning Systems

V. Pilots Memorandum

Normal Procedures Call-out Review
Non-Normal Procedures Call-out Review
Takeoff Flight Pattern
Rejected Takeoff
Engine Failure after V1
Emergency Descent
Precision Approach
Non-Precision Approach
Circling Approach
Visual Traffic Pattern and Landing
Go-Around
Go-Around One Engine INOP

VI. Additional Information

Aviation Rules Of Thumb
Charts Atlas
Charts Jeppesen
Interception Signals
Snowtam Decoder (Metar format)
Snowtam Decoder (Notam format)
Worldwide Aircraft Registrations

Section 1

Airplane General, Emergency Equipment, Doors, Windows

Airstair INOP (As installed)	3
Automatic Unlock + Lock Fail (As Installed)	4
Cargo Compartment Ceiling Light	4
Door Annunciator	5
ELT	8
Emergency Exit Lights Not Armed	8
Exit Unserviceable	9
Panel Backlight INOP	10
Passenger Oxygen On	11
Tailstrike on Takeoff	14
Toilet Flush Valve Jammed Open (NG)	14
Window Damage	15

Section 2

Air Systems

Air Conditioning System	3
Air Conditioning Smoke / Fumes	7
Auto Fail / Unscheduled Pressurization Change (CPCS)	8
Auto Fail / Unscheduled Pressurization Change (DCPCS)	10
Bleed Trip Off	12
Cabin Altitude Warning or Rapid Depressurization	15
Dual Bleed	16
Duct Overheat (300-500-600-700)	17
Emergency Descent	18
Equipment Cooling Off	20
High Altitude Landing Inop (As Installed)	14
High Duct Pressure	22
Manual Mode	23
Off Scheduled Descent	24
Pack / Pack Trip Off	25
Pressurization System	29
Ram Air Door Full Open	31
Standby Mode (CPCS)	33
Trim Air Failure (400-800-900)	34
Unpressurized Flight	34
Wing Body Overheat	35
Zone Temp (400-800-900)	37

Section 3

Anti-Ice, Rain

Engine Cowl Anti-Ice	3
Engine Cowl Valve Open / TAI Indication (NG)	4
Ice detector / Icing (As Installed)	3
Pitot Static (CL) – Probe (NG) Heat Malfunctions	5
Window Damage / Arcing / Delaminated, shattered or cracked Window	8
Window Heat Off	8
Window Overheat	9
Wing Anti-Ice Valve Open.....	11

Section 4

Automatic Flight

Autopilot Disengage	3
Autothrottle Disengage	3
A/T Lim	4
MCP Defects	5

Section 5

Communications

Acars Electrical Power Loss (As Installed)	3
Acars MU Fail or DU Fail (As Installed)	3
Antenna Location (CL)	4
Antenna Location (NG)	5
Audio Selection Panel Degraded Mode (As Installed)	6
Radio Tuning Panel Fail (As Installed)	7
Static Dischargers / Lightning Strike.....	8

Section 6

Electrical

Electrical	3
Electrical Power Schematic (CL)	11
Electrical Power Schematic (NG)	12
APU Gen Off Bus does not illuminate	13
Bat Discharge (NG)	14
Bus Off (CL)	14
CSD Low Oil Pressure / Drive - CSD High Oil Temperature	18
Determine Failed Electrical Bus (CL)	21
Elec (NG)	22
Electrical Smoke / Fumes or Fire	23
Ground Power Available	13
Loss of Both Engine Driven Generators	24
Random Circuit Breaker Trip	32
Random Flags on Instruments	32
Source Off (NG)	33
Standby Power Off	34
TR Failure - DC Bus Off	36
Transfer Bus Off (CL)	40
Transfer Bus Off (NG)	44
Two Phase Generator Operation	23
Electrical Power Source / Bus (CL)	48
Electrical Power Source / Bus (NG)	53
Electrical Power Source / Item (CL)	60
Electrical Power Source / Item (NG)	68
Circuit Breakers Panels	78
Circuit Breakers / Section (CL)	79
Circuit Breakers / Section (NG)	84

Section 7

Engines, APU

Aborted Engine Start	6
APU	3
APU Det INOP	6
APU does not shut down when selecting MCS to OFF	6
APU does not start	7
APU EGT Indicator INOP	7
APU Fault	8
APU Fire	9
APU High Oil Temperature	10
APU Low Oil Pressure	10
APU Low Oil Quantity	11
APU Maint	11
APU Overspeed	12
APU start with depleted Battery	13
APU Weak Duct Pressure (CL)	9
Dispatch with APU INOP	13
EEC Alternate Mode (NG)	14
Engine (CL)	15
Engine Control (NG)	16
Engine Failure / Shutdown	17
Engine Fire / Overheat Detector Loop Fault	17
Engine Fire, Severe Damage or Separation	18
Engine High Oil Temperature	19
Engine Ignition	20
Engine Limit / Surge / Stall	22
Engine Low Oil Pressure	23
Engine Oil Filter Bypass	24
Engine Oil Quantity	25
Engine Overheat	26
Engine Tailpipe Fire	21
Engine Throttle Lever Stuck	27
High Engine Vibration	27
In-flight Engine Start	28
Loss of Thrust on both Engines	29
Low Idle (CL)	30
One Engine Inoperative Landing	30
PMC Inoperative (CL)	31
Reverser	32
Reverser Unlocked	34
Start Valve Open	36
Volcanic Ash	36

Section 8

Fire Protection

Air Conditioning Smoke / Fumes	3
APU DET INOP	3
APU Fire	3
Cargo Fire	4
Cargo Fire Detector Fault	5
Electrical Smoke / Fumes / Fire	5
Engine Fire / Overheat Detector Fault	5
Engine Fire, Severe Damage or Separation	5
Engine Overheat	6
Engine Tailpipe Fire	6
Smoke / Fumes Removal	6
Wheel Well Fire	6

Section 9

Flight Controls

All Flaps Up Landing	5
Alternate Flaps Operation	7
Auto Slat Fail	6
Elevator Tab Vibration (NG)	9
Feel Differential Pressure	9
Flight Control	4
Flight Control Checklist Review	3
Flight Control Low Pressure	10
FSEU Inop (NG)	11
Jammed or Restricted Flight Controls	12
Jammed Stabilizer	13
Leading Edge Flaps Transit	14
Mach Trim Fail	16
Rudder Pressure Reducer (CL)	17
Runaway Stabilizer	18
Runaway Flap	19
Flap Load Relief (As installed)	20
Speed Brake Do Not Arm	21
Speedbrakes Extended (NG)	24
Speed Trim Fail	25
Stabilizer Electric Trim Inop	26
Stabilizer Out of Trim	27
Standby Rudder On (As Installed)	28
Trailing Edge Flap Asymmetry	29
Trailing Edge Flap Disagree	31
Trailing Edge Flaps Up Landing	31
Uncommanded Rudder / Yaw or Roll	33
Yaw Damper	34

Section 10

Flight Instruments, Displays

ADC Fail (CL-EFIS)	3
ADIRU Fail (NG)	4
Airplane Symbol Appears in Lower Right Corner of EHSI	4
Airspeed Unreliable	6
Altimeters Disagree	6
Attitude Direction Indicator (CL)	7
CDS Fault / Maint (NG)	8
CRT not responding to BRT Control (CL)	9
Display Failure (NG)	9
Display Source (NG)	10
Displays Control Failure (NG)	9
EADI (CL) – PFD (NG) Failure Flags	11
EADI / EHSI Color Loss or Malfunction (CL)	13
EADI / EHSI Screen Blank (CL)	14
EADI Invalid Roll / Pitch	12
EHSI (CL) – ND (NG) Failure Flags	15
Flight Recorder Off	16
HDG Flag / ADF Flag (CL)	17
HUD Failure Flags (As Installed)	18
IAS Disagree (NG)	21
ISFD Failure Flags (As Installed)	18
Radio Altimeter Fail	19
RDMI Indication with Heading Inop	20
SG Fail (CL)	21

Section 11

Flight Management, Navigation

CDU Screen Blank	3
DAA Fail (CL)	3
FMC Fail	4
GPS (As Installed) (NG)	5
Instrument Switch (CL)	6
Instrument Switch (NG)	6
IRS	7
IRS DC Fail	9
IRS Drift	9
IRS Fault	10
IRS On DC	11
ISDU	12
Magnetic Variation	11
Transponder Inop	13
Unable Req'd Nav Perf - RNP (NG)	6
VHF NAV Transfer	13
Wind Indication	14

Section 12

Fuel

Config (NG)	3
Crossfeed Selector Inoperative	3
Engine Fuel Leak	4
Fuel Filter Bypass	4
Fuel Pump Low Pressure	5
Fuel Quantity Indicator (CL) Indication (NG) Inoperative	7
Fuel System	9
Fuel Tank Scavenge	12
Fuel Temp Low	13
Fuel Valve Closed (CL)	14
Fueling Bay	16
Imbal (NG)	17
Inadvertent Transfer of Fuel into Center Tank (CL)	17
Low (NG)	17
Minimum Fuel Operation (CL)	18

Section 13

Hydraulics

EMDP Does Not Engage When Selected On	6
Hydraulic Pump Low Pressure	7
Hydraulic Pump Overheat	6
Hydraulic System	3
Hydraulic System Low Quantity	9
Hydraulic System Pressure Indicator INOP (non-EIS)	10
Hydraulic System Quantity Indication	10
Loss of System A	11
Loss of System B	13
Manual Reversion	16
Standby Hydraulic Low Pressure	19
Standby Hydraulic Low Quantity	20

Section 14

Landing Gear

Antiskid INOP	3
Autobrake Disarm	5
Brake Pressure Indicator Zero PSI	8
Brake Temp (As Installed)	10
Gear Lever will not move up after Takeoff	11
Landing Gear Lever jammed in the Up Position (CL)	17
Landing Gear Unsafe Indication	18
Manual Gear Extension	17
Parking Brake Warning Red Light does not illuminate	20
Partial or Gear Up Landing	21
Tire Burst during Takeoff Run	23
Wheel Well Fire	24

Section 15

Warning Systems

Altitude Alert	3
Cabin Altitude Warning	3
(Takeoff) Configuration Warning	4
Fire Warning – Master Caution	3
Ground Crew Call Horn	5
Ground Proximity Alert	5
Landing Gear Configuration Warning (CL)	6
Landing Gear Configuration Warning (NG)	6
Overspeed	5
PSEU	7
Stall Warning	8