

BEFORE START

Passenger Briefing COMPLETED
 Control Locks / Covers STOWED
 Chocks REMOVED
 Parking Brake SET
 Doors SECURE
 Fuel Quantity CHECK [...] lbs
 Engine Anti-Ice ON
 Oxygen System ON
 Power Console SET
 Cabin Temp Mode OFF
 Bleed Air Valves ENVIR OFF
 ESIS TESTED / ON
 Avionics Master OFF
 Batteries MAIN ON / GROUND OFF
 DC Volts >23V
 Ground Equipment CLEAR
 Beacon & Lights ON

AFTER-START

Loadmeters PARALLEL ~10%
 Avionics Master ON
 Cabin Temp Mode AS REQ
 EMS Power AS REQ
 Ground Use Battery CHARGE
 Instruments / Flt-Dir / REF's SET
 FMS & Fuel SET
 Bleed Air Valves OPEN
 Cabin Pressurisation PRESS & SET
 Transponder ON
 Cabin Sign ON
 ESIS INITIALISED
 Taxy Light ON (With Taxy Clearance)

◆ FUNCTIONAL

Auto-Feather CHECK
 Primary Gov & Rudder Boost CHECK
 Ice Protection CHECK
 Pressurisation CHECK
 Bleed Air Valves CHECK

KEY

Items marked ◆ may be omitted after the crew's first flight of the day

BEFORE TAKE-OFF

Brakes CHECKED
 Instruments & Flight Controls CHECKED
 Flaps SET [...]
 Frictions & Trims SET
 Transponder ON
 Departure Brief (PEDS) REVIEWED
 Cabin SECURE

RUNWAY

Strobes ON
 Ice Protection AS REQ
 Auto-Ignition ARM
 Engine Anti-Ice AS REQ
 Auto-Feather ARM
 Annunciator Lights CONSIDERED
 Landing Lights ON (With T/O Clearance)

PEDS

P = PERFORMANCE
E = EMERGENCY TURN
D = DEPARTURE
S = STOP ALT / FL

AFTER TAKE-OFF

Landing Gear UP, NO **RED**
 Landing & Taxy Lights OFF
 Flaps UP
 Yaw Damper ENGAGED
 Climb Power SET
 Engine Instruments CHECK

CLIMB

Altimeters STANDARD SET X CHECKED
 Engine Anti-Ice AS REQ
 Ice Protection AS REQ
 Cabin Signs AS REQ
 Pressurisation CHECK
 Lights AS REQ

DESCENT

Pressurisation SET
 REF's / NAV-Aids / FMS SET
 ESIS SET
 Fuel CHECK
 Briefing COMPLETED

APPROACH

Altimeters QNH SET X CHECKED
 Auto-Feather ARMED
 Engine Anti-Ice ON
 Ice Protection AS REQ
 Cabin Signs ON

LANDING

Cabin SECURE
 Landing Gear DOWN **3 GREEN** NO **RED**
 Missed Approach Altitude SET
 Props MAX RPM
 Flaps DOWN
 Yaw Damper OFF

MISSED APPROACH

Landing Gear UP
 Landing & Taxy Lights OFF
 Flaps UP
 Altimeters CHECK
 Fuel CHECK
 FMS & Flt Director AS REQ

AFTER LANDING

Radar STANDBY
 Press Diff VERIFY 0
 Bleed Air Valves ENVIR OFF
 Flaps UP
 Trims RESET
 Transponder STANDBY
 Ice Protection OFF
 Lights AS REQ
 Auto-Ignition OFF
 Engine Anti-Ice ON
 Auto-Feather OFF

SHUTDOWN

Parking Brake SET
 Taxy Light OFF
 Cabin Temp Mode OFF
 ESIS OFF
 Avionics Master OFF
 ITT STABLE
 Condition Levers CUTOFF
 Props FEATHER
 Oxygen System AS REQ
 Fuel Quantity [...] lbs
 Cabin Signs OFF
 EMS Power AS REQ
 Beacon & Lights AS REQ
 DC Volts CHECK
 Ground-Use Battery AS REQ
 Main Battery & Generators OFF
 Headsets OFF
 Control Locks AS REQ

◆ **COCKPIT SAFETY**

Fire Extinguisher..... CHECK
 Oxygen System.... CHECK, CONTENTS [...]
 Static Air SourceNORMAL
 Landing Gear..... DOWN
 Alternate Extension Handle SECURE
 Trims..... ZERO
 Rudder-Boost..... ON
 ELT ARM
 Starter Switches.....OFF
 Ground-Use Battery..... ON
 DC Volts CHECK
 Ground-Use Battery.....OFF
 Main Battery ON
 DC Volts > 23V
 External Power (if available) ON
 DC Volts (GPU) 28.0 - 28.4V
 Circuit Breakers LHS & RHS..... CHECK
 Annunciators..... CHECK
 Fire Detectors / Extinguishers CHECK
 Stall Warning CHECK
 Land Gear Handle Light CHECK
 Hydraulic Fluid Sensor CHECK
 Flaps CHECK
 CVR CHECK
 Fuel System CHECK
 Avionics Master ON
 Electric Pitch Trim ON, CHECK
 Radios, Radar, TCAS, EGPWS..... CHECK
 Audio PanelsSET
 Autopilot CHECK
 EMER Frequency EXTINGUISHED
 Avionics MasterOFF
 Reversion PanelNORM / CENTRE
 Main & Ground Use Batteries AS REQ

**Take-Off Speeds - Raisbeck
(Sea Level, ISA)**

LBS x 1000	12.5	12.0	11.5	11.0	10.5
VR Flap UP	94	94	94	94	94
VR Flap APP	96	92	88	87	87
V2 Flap UP	103	103	103	103	103
SEERC	121	119	118	117	116

**Landing Speeds – Raisbeck
(Sea Level, ISA)**

LBS x 1000	12.5	12.0	11.5	11.0	10.5
Vref Flap DN	97	95	93	90	88
Vref Flap UP	121	119	116	113	110
SEERC	121	119	118	117	116

Useful Frequencies

Gama Glasgow FBO	131.965
Signature Handling	122.350
Far Nor Wick	130.375
Scottish Volmet	125.725
London Volmet North	126.600
London Volmet South	128.600

Expanded Procedures

Auto-Feather

Condition Levers LOW IDLE
 Prop Levers FULL FORWARD
 Power Levers ~500 ft.lb
 Auto-Feather Switch HOLD TO TEST
L AUTOFEATHER R AUTOFEATHER
 ILLUMINATED
 Power Levers RETARD INDIVIDUALLY
 ~410 ft-lbs – OPPOSITE ANNUNCIATOR
 EXTINGUISHED
 ~260 ft-lbs – BOTH ANNUNCIATOR
 EXTINGUISHED (Prop Starts to Feather)
 Power Levers IDLE
L AUTOFEATHER R AUTOFEATHER
 EXTINGUISHED (Neither Prop Feathers)
 Auto-Feather Switch RELEASE

**Primary Governors,
Over-Speed Governors & Rudder-
Boost**

Rudder-Boost.....ON
 Prop Levers..... FULL FORWARD
 Prop Governor Test Switch Hold to Test
On Each Engine Individually
 Power LeverIncrease Until Stable
 1800 – 1910 RPM
 Prop Lever Retard to Detent
 Then Full Forward
 Power Lever Continue to Increase Until
 Rudder Movement Noted
 (observe ITT & torque limits)
 Power LeverIDLE
On Completion of Both Engine Check
 Prop Governor Test Switch RELEASE