

L39 Flight Crew Checklist

Pre-Start Checks

Oxy Supply Valve	On
Oxy Diluter Switch	Normal
Fuel Shut Off Lever	Fwd & Guarded
Radio Channel	Set As Required
Pitot Selector	Set Main
Throttle	Full and Free
Parking Brake	Set & Flagged
U/C Selector	Ensure Down
Accelerometer	Reset
Flight Instruments	Check & Set
Clock	Wound and set
Flying Controls	Full and Free
Ventilation	As Required
Pressurisation Lever	Full Aft
Emerg Hydraulic Levers	Full Fwd
Circuit Breakers	All Set
Rear Canopy	Down and Locked

Systems Checks

ACB Panel Select	Battery, Engine, Inv I Inv II & RDO
Voltmeter	24v Min
Ground Supply	Request & Indicating
Voltmeter	27 – 29V
Wheel Chocks	Request
Caution Lights	Test
Fire Warning	Test I & II
JPT Warning	Test I & II
Engine Vibration	Test
De-Icing RIO-3	Test
Fuel Qty	Check
ADF Audio	On
ADF Panel	Set and Off
ADF Audio	Off
RSBN Panel	Set
MC/GC Compass Panel	Set & Checked
QFE	Set
Flight Recorder	On
Engine Start	Request
Navigation Lights	On Steady
ACB Panel Deselect	Inv I, Inv II & RDO

Engine Start

APU	Start
Turbine Starter Ind	On (in 23 – 24 sec)
Engine Start	Select
Throttle	Idle (in 3 to 6 sec)
RPM & JPT	Rising
Engine N1	20% min After 15 Sec
Engine Idle	N1 = 56 ±1% EGT = 600°C Max Oil = 2Kg/cm ² Min Time = 50sec max
ACB Panel Select	Gen M & Gen Emg
Ground Power	Request Off
Voltmeter	27 – 29 V
ACP Panel Select	AGD-GMK, Inv I, Inv II, RDO, MRP-RV RSBN, (Wing Tanks)
ADF Panel	Select 'C AUT'
Hydraulic Systems	Test & Indications
Canopy	Close & Lock
Pressurisation	Lever Full Fwd
'AIRCONDIT' Warning	Off After 30sec
Pressure Differential	0,02 – 0,05

Taxi Checks

Flaps	Set Take off
Trims	Set Neutral
Airbrake	Check Off
Rad Alt	Zero, Check Warning Clears, Set Min Alt
Taxi Clearance	Obtain
Course Indicator	Set Runway Heading
Taxi Light	On
Chocks	Request Removed
Wheel Brakes	Hold
Parking Brake	Off
Throttle	85% N1
Brakes	Release & Check
Turn Indicator	Check
Heading Indicator	Check Indicating
<u>Before Entering Runway</u>	
Parking Brake	Apply
Throttle	Open Smartly
Engine Acceleration to Max	9 – 12 Sec
Parking Brake	Release
Take off Clearance	Obtain

Line Up Checks

Nosewheel	Straight
Brake Pressure	Normal
Hyd Pressure	Normal
Flaps	Chk Takeoff
Airbrake	Chk In
Canopy	Chk Locked
Altimeter	Check Set
Pitot Heat	On
Landing Light	On
Engine	Run Up
Warning Lights	All Off

Take Off

Brakes	Release
Rotate Speed	S-150 km/hr
Liftoff Speed	S-180 – 190 km/hr
U/C	Retract – H-15, S-220
Flaps	Retract – H-50, S-250
Throttle	Nominal – H-100

L39 Radio Channel Pre-sets

Chan	Tower	Frequency
1	Mineral Vody	264.00 MHz AM
2	Nalchick	265.00 MHz AM
3	Sochi-Adler	256.00 MHz AM
4	Maykop-Khansk	254.00 MHz AM
5	Anapa	250.00 MHz AM
6	Beslan	270.00 MHz AM
7	Krasn'd Pash'sky	257.00 MHz AM
8	Gelendzhik	255.00 MHz AM
9	Kobuleti	262.00 MHz AM
10	Gudauta	259.00 MHz AM
11	Tbilisi-Soganlug	268.00 MHz AM
12	Vasiani	269.00 MHz AM
13	Batumi	260.00 MHz AM
14	Kutasai-Kopit	263.00 MHz AM
15	Senaki-Kolkhi	261.00 MHz AM
16	Tbilisi-Lochini	267.00 Mhz AM
17	Krasnodar Centre	251.00 MHz AM
18	Krymsk	253.00 MHz AM
19	Mozdok	266.00 MHz AM

L39 Navigation Channels

Airfield	RSBN	PRMG	NBD OUT	NDB IN
Mineral Vody			583	283
Nalchick			718	350
Sochi-Adler				761
Maykop-Khansk	34	36	289	591
Anapa			443	215
Beslan			1050	250
Krasn'd Pash'sky			493	240
Kobuleti			870	490
Gudauta				395
Kutasai-Kopit				477
Senaki- Kolkhi			156	129
Tbilisi-Lochini			342	923
Krasnodar Centre	40	38	625	303
Krymsk	28	26	408	830
Mozdok	20	22	525	1064
Sukhumi-Babush			489	995