1. Electrical Startup		
Controls	Operation	Panel
Ejection Seat	Set switch to ON	Left side of Pilot Seat
BATTERY switch	Set switch to ON	Right console, electrical power control panel
AC Inverter (INVERTER) switch	Set to STBY	Right console, electrical power control panel
SIGNAL LIGHTS lamp test	Press button and check light illuminations	Left console, auxiliary lighting panel
APU power (APU) switch	Set to START	Left console, throttle quadrant area
Engine group instruments, APU indicators	Monitor that APU EGT stabilizes between 400 and 450c and APU RPM at 100%	Front dash
Intercom Control PNL	HM, IM, AM, FM, VHF, UHF - adjust fequencies as needed	Left console, Intercom Control PNL
Fuel quantity pointers	Totalizer should be 6,000 with main tanks full	Front dash, fuel quantity panel
FUEL PUMP switches (Main, Wing)	Set switches to ON	Left console, fuel system control panel
Pinky switch	AFT	Throttle HOTAS
Light switches and dials	Position Lights, FLASH	Left Console, Light System
Auxiliary Power Unit generator switch (APU GEN) switch	Set to PWR	Right console, electrical power control panel
Control Display Unit (CDU) switch	Set to ON	Right console, Auxiliary Avionics Panel
Embedded GPS INS (EGI) switch	Set to ON	Right console, Auxiliary Avionics Panel
Radio, ATC	Request Engine Start	# - Button on Keyboard

2. Left Engine Startup		
Controls	**Operation**	**Panel**
Left throttle	Move from OFF to IDLE position	Left console, throttle quadrant area
Engine group instruments	Monitor that the left engine core speed normalized at 56%	Front dash
Left hydraulic system pressure gauge	Monitor that pressure is between 2,800 and 3,350 psi	Front dash, fuel quantity panel
Primary Flight Controls	Cycle PFC to verify all working with left hydraulic power	Flightstick, Rudder
*) Implement CICU, IFFCC (to Test) , UFC (Bit Test --> ENT), JTRS, SBY ATT IND (uncage) while engine is starting up		

3. Right Engine Startup		
Controls	**Operation**	**Panel**
Right throttle	Move from OFF to IDLE position	Left console, throttle quadrant area
Engine group instruments	Monitor that the right engine core speed normalized at 56%	Front dash
Right hydraulic system pressure gauge	Monitor that pressure is between 2,800 and 3,350 psi	Front dash, fuel quantity panel
Speed brakes	Cycle speed brakes open and closed	Flightstick, Speed brakes
AC generator (AC GEN) switches	Confirm switches set to PWR	Right console, electrical power control panel
APU power (APU) switch	Set to OFF	Left console, throttle quadrant area
*) Implement exit from IFFCC Bit Test and switching to normal mode here, while engine is starting up		

4. Pre-Flight Checks and Set Up		
Controls	**Operation**	**Panel**
Central Interface Control Unit (CICU) switch	Set to ON	Front dash, AHCP
Integrated Flight and Fire Control computer (IFFCC) switch	Set to TEST	Front dash, AHCP
Up Front Controller (UFC)	Press ENT	Front dash, UFC
Joint Tactical Radio System (JTRS) switch	Set to ON	Front dash, AHCP
Standby Attitude Indicator	Uncage, set to horizon	Front dash
IFFCC Bit Check Complete	EXIT, ENT to main menu	Front dash, UFC
IFFCC	Set to ON	Front dash, AHCP
Yaw & SAS	ENGAGE	Left console, SAS panel
Takeoff trim (T/O) button	Press for 2 seconds	Left console, SAS panel
Emergency pitch/roll trim (PITCH/ROLL TRIM)	Switch to EMER and test manual setting and then switch back to	Left console, EFC panel
Left MFCD	Load all (ensure all green dots appear again)	Front dash

Right MFCD	CDU	Front dash
Left MFCD	NET, DSMS, TAD - configure ID and Weapon PROFILES	Front dash
Targeting Pod (TGP) switch	Set to ON	Front dash, AHCP
Counter measures Panels	Set to AUTO, the four switches to RDY and change profiles (front dash)	Right console and front dash
Right MFCD, Alignment	Select NAV when alignment complete (T=4.0 0.8)	Right console, CDU
Steerpoint, Flight Plan	Load Flight Plan from FPM FSK	Right console, CDU
Control Display Unit (CDU)	Set to Waypoint, WP	Right console, CDU
Embedded GPS INS (EGI)	Choose as navigation mode	Front dash
Enhanced Attitude Control (EAC)	Set to ARM	Left console, throttle quadrant
Radar ALT	Set to NRM	Left console, throttle quadrant

5. Final Checks and Taxi		
Controls	**Operation**	**Panel**
Anti Skid	Set to ON	Front dash, AHCP
Flap lever	Set to DN at 7 degrees	Front dash, AHCP
Nosewheel steering button	Engage	Control stick
Canopy switch	Move switch to down position	Right console
Oxygen flow switch	Set to NORMAL	Right console, environment panel
Oxygen Warning Light	Ensure Caution light panel illuminates	Right console, environment panel
Engine chop check	Move from IDLE to MAX and back to IDLE within 2 seconds. Core RPM should not exceed 70%	Left console, throttle quadrant
Radio, ATC	Ready to Taxi	# - Button on Keyboard

6. Engine Run Up Checks		
Controls	**Operation**	**Panel**
Light switches and dials	Anti-Collision Lights - ON, Position Lights - STEADY	Right console, lighting panel
Pitot Heat switch	Set to ON	Right console, environment panel
Radio, ATC	Ready for Takeoff	# - Button on Keyboard

7. Takeoff		
Controls	**Operation**	**Panel**
Rudder pedals	Hold down toe brakes	Rudders
Throttles	Advance to 80% core RPM	Left panel, throttle quadrant
Engine indicator gauges	Monitor for normalengine operation	Front dash, engine instrument group
Rudder pedals	Release toe brakes	Rudders
Engine indicator gauges	Monitor for normal engine operation	Front dash, engine instrument group
Nosewheel steering button	Disengage over 50 knots	Control stick
Control stick pitch	Pull back to 10 degrees at 10 knots prior to takeoff speed	Control stick