FS2Crew iFly 737NG Flow

Pre-Flight

Configure FS2CREW (APU/GPU. Etc.) + HEADSET (If required) + Activate

		Captain (PF)		First Officer (PNF)	
PRE-FLIGHT		**Pre-Flight Events**	**Run PF**		
T-30min		**AES - Catering, Cleaning, Etc.**	**Activate**		
T-29min		*FMC - Programing*		**Master Battery on**	
		Verify Position (IRS'S Alligned)	**Prog**	**Parking brake set**	
		Route Page	**Prog**	**Bus Xfer switch auto**	
		Perf Init Page	**Prog**	**Standby power on**	
		N1 + Take-Off Page	**Prog**	**If BBJ model (Aux fuel bleeds off & Gnd Xfer off)**	
		DEP/ARR Page	**Prog**	**Fire tests (only if using APU)**	
		COM & NAV Radios	**Set**	**Start APU or Connect External Power/Air**	
		EFIS Panel	**Setup**	**If using APU, check APU Gen Voltage on**	
		Landing Elev - Pressurization Panel	**Input**	**Voltmeter before connecting APU generators.**	
		Speedbrake	**Confirm Down**	**If using GPU, check GND pwr**	
				Left Aft Fuel Pump on for APU if APU	
				selected as power source.	
				Left Center Fuel Pump if center fuel quantity	
				> 1000 pounds (APU only)	
				Position lights on	
				Wing lights on for exterior walkaround (night)	
				IRS's to NAV	
				EEC 1 and EEC 2 ON	
T-24min				**WALK AROUND**	
T-22min		Flight Info (Metar DEP/ARR, etc.)	**Check**	**Yaw damper on**	
T-19min				**RETURN FROM WALK AROUND**	
T-18min		**Start Boarding ---> Yes**			
T-18min		**AES - Start Boarding**			
T-17min				**IFE on**	

				Fire tests (only if using GPU)	
				Emergency lights arm	
				No smoking on	
				Fasten seatbelts auto	
T-15min		ATC Clereance	Obtain	Window heat test and window heat on	
		If required by ATC: DEP data / SID/ Etc.	Change	Eng Hyd Pump A and B on	
				Elec Hyd Pump A and B off	
				Trim air on	
				Recirc fans auto	
		IAS selector in autopilot panel	Set V2	Pack auto	
		Initial Heading	Set	Isolation valve open	
		Initial Altitude	Set	Engine Bleeds on	
				APU bleed on (Only if APU running. If external ground air is not available, manually start the APU now for air conditioning).	
				Ignition selection switch set.	
				Logo light if night on	
				Flight directors on	
				Set altimeters	
				Oxygen test*.	
				Autopilot disengage light test*.	
T-13min		PA: Welcome Message		GPWS test*.	
				Fuel flow Reset	
				Autobrake RTO.	
				If BBJ: Aux fuel bleeds off.	
				Cargo fire test*.	
				Push master fire warning*.	
				VHF 1 and 2 test (and RTP 1 and 2 test if BBJ model)*.	
				TCAS test (IRS must be aligned first)*.	
				Overspeed test*.	
				Stall test*	
				Verify FMC pages	
T-12min		Call Pre-Flight Checklist		Challenge> First Officer / Response> Captain	
		Tested, 100 percent	<-------->	Oxygen	
		Normal, Auto	<-------->	Inst Xfer & Display Switches	
		On	<-------->	Window Heat	
		Auto	<-------->	Pressurization Mode Selector	
		Set	<-------->	Flight Instruments	
		Set	<-------->	Parking Brake	
		Cutoff	<-------->	Engine Start Levers	
		Fill Departure INFO		DE-ICE? / Cold Weather Procedures?	
T-10min		Departure Brief	Perform		
		NADP1		NADP2	
		Take-Off Power & Take-Off Flaps	<1000 AGL	Take-Off Power & Take-Off Flaps	<1000 AGL
		Climb at V2 + 10 to 20kts		Climb at V2 + 10 to 20kts	
		Reduce to climb thrust & continue	at 1500 AGL	Accelerate to Flaps Up Speed	at 1500 AGL
		climbing at V2 + 10 to 20kts		Retract Flaps/Slats on Schedule	
		Accelerate to Flaps Up Speed	3000 AGL	When Flaps up, maintain Flaps Up speed + 10kts max	
		Retract Flaps/Slats on Schedule		Accelerate to en-route climb speed	3000 AGL

T-8min		Load Sheet Dialogue ---> Thank you			
T-7min		Before Start Procedure	Call	FO's FMC to legs page.	
				Fuel pumps on	
				Seatbelt sign on	
				Isolation valve open	
				Electrical Hydraulic pumps on	
				Beacon on	
				Lower display to Engine	
		Trim for Take-Off	Set		
		Taxi Briefing			
		Pushback & Start Up Clereance	Obtain		
		AES-Prepare Position for Departure			
		Call Before Start Checklist		Challenge> First Officer / Response> Captain	
		Closed and Locked	<-------->	Flight Deck Door	
		____KGS/LBS Pumps On	<-------->	Fuel	
		On	<-------->	Passenger Signs	
		Locked	<-------->	Windows	
		Set	<-------->	MCP	
		Set	<-------->	Takeoff speeds	
		Completed	<-------->	CDU Preflight	
		Free and zero	<-------->	Rudder & Aileron Trim	
		Completed	<-------->	Taxi and Takeoff Briefing	
		On	<-------->	Anti Collision Lights	
T-01min		Cabin Ready Dialogue ---> Thank you			
		DE-ICING if required			
		Cockpit to De-Ice Coordinator			
		Req + ETD __:__ "ZULU"	Remote Pad -->	Proceed to Pad after Taxi Checklist	
		Prepare for DE-ICE	GATE/RAMP	APU Bleed Off	
		Set Trim Full Nose Down		Engine Bleeds Off	
		DE-ICE Coordinator, We are ready for DE-ICING	AES		
		DE-ICING in Prog (3mins)			
		PA: Departure Delay			
		Thank you for your Help		Engine Bleeds On	
		OPTION #1: P/B AND ENGINE START			
		PA: Cabin Crew Arm Slides			
		Cockpit to Ground/Ground from Cockpit			
		We are ready for PB and Engine Start			
		Brakes Released			
		Start Engine 2 ---> Lever to RUN at 20N2		Packs Off / Ignition to Ground	
		Start Engine 1 ---> Lever to RUN at 20N2		Ignition to Ground	
		Brakes Set			
		You're cleared to disconnect and go to Hand Signals			
		OPTION #2: AES-P/B AND ENGINE START			
		PA: Cabin Crew Arm Slides			
		AES-Request Pushback			
		Brakes Released			

		Start Engine 2 ---> Lever to RUN at 20N2		Packs Off / Ignition to Ground
		Start Engine 1 ---> Lever to RUN at 20N2		Ignition to Ground
		Brakes Set		
		Wait for Hand Signal		
		OPTION #3: NO PUSHBACK		
		PA: Cabin Crew Arm Slides		
		Cockpit to Ground/Ground from Cockpit		
		We are ready for Engine Start		
		Start Engine 2 ---> Lever to RUN at 20N2		Packs Off / Ignition to Ground
		Start Engine 1 ---> Lever to RUN at 20N2		Ignition to Ground
		You're cleared to disconnect and go to Hand Signals		
		OPTION #4: ENGINE START prior to PB		**Both Engines at Gate**
		PA: Cabin Crew Arm Slides		
		PB REQ: Select YES<--- option		
		Cockpit to Ground/Ground from Cockpit		
		We are ready for an External Air Engine Start		
		Start Engine 1 ---> Lever to RUN at 20N2		Packs Off / Ignition to Ground
		Connect GEN Bus & GND Power OFF		
		You can disconnect the external air and GPU now		
		Start Engine two cross bleed start		Ignition to Ground
		We are ready for Pushback		
		Brakes Released		
		Brakes Set		
		You're cleared to disconnect and go to Hand Signals		
		OPTION #5: ENGINE START prior to PB		**Left Engine at Gate / Right Engine at end of PB**
		PA: Cabin Crew Arm Slides		
		PB REQ: Select --->YES option		
		Cockpit to Ground/Ground from Cockpit		
		We are ready for an External Air Engine Start		
		Start Engine 1 ---> Lever to RUN at 20N2		Packs Off / Ignition to Ground
		Connect GEN Bus & GND Power OFF		
		You can disconnect the external air and GPU now		
		We are ready for Pushback		
		Brakes Released		
		Start Engine 2 ---> Lever to RUN at 20N2		Ignition to Ground
		Brakes Set		
		You're cleared to disconnect and go to Hand Signals		
		Engines Stabilized - AutoThrottle	Arm	
ColdWeather		Leave the flaps up		
		Call Flaps as Set for Take Off		
		Check Flight controls - Slow Movements		
		Call Before Taxi Checklist		Challenge> First Officer / Response> Captain

		On	<-------->	Generators
		On	<-------->	Probe Heat
		On/Off/Engine Anti-Ice On/Both On	<-------->	Anti-Ice
		Auto/Closed/Open	<-------->	Isolation Valves
		Continuous/Auto	<-------->	Engine Start Switches
		Checked	<-------->	Recall
		RTO	<-------->	Autobrake
		Idle Detent	<-------->	Engine Start Levers
		Checked	<-------->	Flight Control
		Clear	<-------->	Ground Equipment
		ATC Taxi Clereance	Obtain	
		DE-ICING if required		
		Prepare for DE-ICE	Remote PAD	APU Bleed Off
		Set Trim Full Nose Down		Engine Bleeds Off
		DE-ICE Coordinator, We are ready		
		for DE-ICING		
		DE-ICING in Prog (3mins)		
		Thank you for your Help		
ColdWeather		Flaps set for Take Off		
		Cabin Secure		First Officer Dialogue
		Call Before Take-Off Checklist		Challenge> First Officer / Response> Captain
		Flaps __, Green Light	<-------->	Flaps
		__ point __ units	<-------->	Stabilizer Trim
		Runway Entry Procedure		Strobes On
				Landing Lights On
				Runway Turnoff Lights On
				Taxi Lights off
				Center Fuel Pumps off (if center has less than 2300kg)
				Traffic/Terrain/Weather Display
				Xponder TA/RA
		Take-Off	On roll	
		Throttles to 40% -> Eng Stab->TOGA		
		Rejected Take-Off ---> ABORT ABORT		
		Max. Reverse Thrust / Max. Braking		
			ROLL OUT MODE	
		Back to GATE - Ok to Clean Up		After Landing Flow
		Take OFF - Let's Taxi Back to the Runway		
		Run Before TO Checklist Again		
		Gear Up	<-------->	Positive Rate
				Runway Tunroff Lights Off
400ft		Select Heading Select/Select LNAV		
1000/1500ft		Climb Thrust / NADP2 Set Flaps Up Speed		
		Flaps ___ (Retract on schedule)	On Flaps Up	Engine Start Switches to Off
				Autobrake Off
				Gear levers handle Off
		Select VNAV	After Flaps Up	
		Select Command A		
		Call After Take-Off Checklist		Challenge> First Officer / Response> First Officer

Phase		Call / Action	Perform	Items
				Engine Bleeds <---> On
				Packs <---> Auto
				Landing Gear <---> Up and Off
				Flaps <---> Up, No Lights
10000ft				Landing Lights Off
				Seatbelt Switch Auto
				Center Fuel Pumps On (if >500ks and off on TO)
Cruise/Desc.		PA: Cruise Message		Check FMC Pages
				Select VOR - Update off on Nav (RNAV/RNV App)
				FMC to legs Page
				Center fuel Pumps off if qty falls bellow 500kgs
				In descent, Center Fuel Pumps off if <1400kgs
				High Alt Button On - Land. Elev. >8400ft
Prior Desc.		Set Autobrake for landing		
		Select Vref and Flaps - INIT Page FMC		
		Set Decision Alt or Decision Height		
		Cat II/III (Radio) Cat I and NPR (Baro)		
		Set Transition Level Des. Forecast FMC		
50nm Out		Approach Brief	Perform	
20nm Out		Call Descent Checklist		Challenge> First Officer / Response> First Officer
				Pressurization <---> Landing Altitude _____
				Recall <---> Checked
				Autobrake <---> _____
				Landing Data <---> VREF___Minimums___
				Approach Briefing <---> Completed
10000ft or TL		Call Approach Checklist		Challenge> First Officer / Response> First Officer
		Altimeters _____ SET		Altimeters _____
		Setup Nav Radios for APP		
		Select EXT in PWR/AIR SRC if planned		
10000ft				Landing Lights On
				Seatbelt Signs On
				Select RNP Progress Page and verify RNP
				PA: Cabin Crew Prepare for Landing
		Call for Flaps on Schedule Flaps___		(On Flaps 1) PA: Cabin Crew Take your Seats
				Select RNP Progress Page if RNAV/RNP App
				Engine Start to Cont and Runway Turnoff On
				If Flap 15 set for landing -> Inhibit GPWS
GS Alive		Gear Down ------> Flaps 15		
		Call Landing Checklist		Challenge> First Officer / Response> Captain
		Continuous/Auto	<-------->	Engine Start Switches
		Armed	<-------->	Speed Brake
		Down	<-------->	Landing Gear
		___, Green Light	<-------->	Flaps
		Missed Approach Altitude	SET	
500ft		When Cleared for Landing Cleared		
Minimums		Landing or Going Around		
		Going Around		
		Flaps 15		
		Pitch Nose up 15		

		Gear Up	<--------->	Positive Rate
		Select Heading Select/Select LNAV		
		Flaps ___ (Retract on schedule)		
		Call After Take-Off Checklist		Challenge> First Officer / Response> First Officer
				Engine Bleeds <---> On
				Packs <---> Auto
				Landing Gear <---> Up and Off
				Flaps <---> Up, No Lights
		Activate Landing Mode prior to Calling Flaps for Landing		
Ground		SB lever down or Okay to Clean Up		Start APU (If preselected on Config Panel)
				Flaps Up (Or Flaps 15 - Cold weather)
				Probe heat Off
				Landing Lights Off
				Engine Start Switches Off (If EAI/WAI not On)
				Autobrake off
				Transponder stanby
Gate/Ramp		Set Parking Brake		PA: Cabin Crew Disarm Slides
				Confirm APU GEN on voltmeter (If using APU)
				APU Generator On and Taxi light Off
				Ready for Shutdown
		External PWR Source		
		Shutdown Engine 2		
		Cockpit to Ground		
		Please connect the GPU and External Air now		
		Shutdown Engine 1		**
		Engine Start Levers Cutoff		Seatbelt Signs Off
				Beacon Off
				Fuel Pumps Off (Except Left AFT and Left CTR for APU)
				Wing and ENG Anti-Ice off (if left on during Taxi in)
				ELEC HYD pumps off
				Isolation Valve Open
				APU Bleed on
				Reset Packs
				Flight Director Off
		Yes		Chime (Flight Atendant)
		PA: Cabin Crew Doors May be opened		
		Go Ahead		Engineer Dialogue
		Call Shutdown Checklist		Challenge> First Officer / Response> Captain
		Off	<--------->	Fuel Pumps
		Off	<--------->	Probe Heat
		Set	<--------->	Hydraulic Panel
		Up	<--------->	Flaps
		Released / Set to Park	<--------->	Parking Brake
		Cutoff	<--------->	Engine Start Levers
		Off	<--------->	Weather Radar
		Secure the aircraft please		IRSs
				Emergency Exit Lights
				Window Heat
				Packs

		Secure Checklist		Challenge> First Officer / Response> Captain	
		Off	<--------->	IRS's	
		Off	<--------->	Emergency Exit Lights	
		Off	<--------->	Window Heat	
		Off	<--------->	Packs	
	SET APU/Ground Power	Off			
	After 2 mins --> Battery switch	Off			

Julio Cesar / April 2011
PID VATSIM 814330
Send me feedback or ask for the excel file if you want to edit it - juliocesar77@hotmail.com
I will appreciate your suggestions!
Have fun!