

FLOW FOR FS2CREW PMDG MD-11 v1.0 by Patrick Zwarts (www.fs2crew.com)

	✓ FS2CREW Start Center: Set key & joystick assignment if you don't want to use the default assignments. Set keyboard assigns to those required by FS2Crew. ✓ Prepare flight (charts, Weather info, Weight and Balance, Fuel) ✓ Start flight in 2D cockpit and in PMDG Options: Disable FO Callouts ✓ PMDG menu: Disable FO Callouts and load panel "FS2CREW_WARM_EXT PWR" ✓ FS2CREW MAIN panel: RIGHT mouse click CENTER CRT and FS2CREW SECONDARY (SEC) panel: RIGHT mouse click RIGHT CRT. ✓ Open SEC panel and check panel state, power and model and START FS2CREW		
	Captain (PF)	First Officer (PNF)	
45min	✓ Set CRT brightness via SD panel ✓ Refuel Aircraft (PMDG menu or FMS FS Actions menu)	✓ BATTERY ON ✓ EMERGENCY PWR SEL OFF ✓ ECHNICAL LOG BOOK CHECK ✓ CHECK LISTS/BOOKLETS ABOARD ✓ DOCUMENTS, CHARTS CHECK ✓ EMERGENCY EQUIPMENT CHECK ✓ CIRCUIT BREAKERS CHECK ✓ WEATHER RADAR OFF ✓ FUEL SWITCH OFF ✓ PARK BRAKE OFF ✓ SPOILER, FLAP AND LANDING GEAR HANDLE CHECK ✓ FUEL DUMP AND DRAIN SWITCHES GUARDED ✓ WINDSHIELD WIPERS OFF ✓ ENGINE FIRE TEST TEST	
40min	✓ TECHNICAL LOGBOOK ✓ AUTOFLIGHT PANEL ✓ OXYGEN SYSTEM AND MASK MIC ✓ SOURCE INPUT SELECT PANEL (SISP) ✓ STATIC AIR SEL ✓ TOWING PWR ON LIGHT ✓ PVD SELECTOR ✓ DISPLAY UNITS	CHECK / SIGN CHECK / SET TEST / 100% CHECK NORM OFF AS REQUIRED CHECK	✓ ELECTRICAL PWR If EXT PWR is available push EXT PWR switch. For APU, push APU PWR on electrical panel. ✓ - APU AIR AS REQUIRED ✓ - ANNUNCIATOR LIGHTS TEST ✓ - IRS SELECTORS NAV
35min	✓ Flight Management System, MCDU programming: • A/C STATUS page (Check active database) • F-PLAN INIT page (CO ROUTE/ FROM/TO/ ALTN/ FLT NO/ CRZ LEVELS/ TEMP WIND/ CI) • INITIALIZE IRS • WEIGHT INIT page (BLOCK fuel/ ZFW/ ZFWCG/ TOCG) • FUEL INIT page (REFUEL QTY (=block fuel)) • F-PLN page (Enter SID/ Remove discontinuities) • TAKE OFF page (FLEX temp/ FLAP/ SLOPE WIND/ OAT/ V-speeds) • PERF page (climb- cruise- and descend speeds/ transition altitudes)	CHECK/SET	✓ VOICE RECORDER TEST ✓ GEN AND GALLEY BUS CHECK/ LTS OFF ✓ CARGO TEMP SEL ADJUST ✓ FADEC LTS OFF ✓ IGNITION CHECK ✓ HYD PANEL CHECK/ AUTO ✓ EMERG PWR SELECTOR ARM ✓ ELECTRIC PANEL CHECK / AUTO ✓ AIR PANEL CHECK / AUTO ✓ FUEL PANEL CHECK / AUTO
30min	⚡ ⇨ PRS: Emergency equipment en EVAC test dialogue (PRS button MAIN panel) ⚡ ⇨ PA: Prepare EVAC test dialogue (PREPARE EVAC TEST button SEC panel) ⚡ ⇨ PA: Start EVAC test dialogue (when cabin ready) (START EVAC TEST button SEC panel) ✓ EVAC test (EVAC switch to EVAC, Pull 'HORN SHUT OFF', EMER LT switch ON) ✓ EMER LTS ⚡ ⇨ PRS: EVAC test complete and cabin ready for boarding dialogue (PRS button MAIN panel) ⚡ ⇨ ENG: Fuel quantity dialogue and signing logbook (ENG button MAIN panel) ⚡ ⇨ PRS: Start boarding dialogue (START BOARD button SEC panel)	TEST ARM (CPT)	
25min	✓ RADIO PANEL	CHECK / SET	✓ PASS SIGN ON / ON ✓ EXTERIOR LTS AS REQUIRED ✓ GPWS TEST ✓ FLAP LIMIT / ELEV FEEL CHECK / AUTO ✓ CABIN PRESS AUTO ✓ ANTI ICE CHECK ALL OFF ✓ FUEL USED RESET PUSH TO RESET ✓ AUTOFLIGHT PANEL CHECK / SET ✓ OXYGEN SYSTEM AND MASK MIC. TEST / 100% ✓ Set mask dilution ctrl to 100% ✓ SOURCE INPUT SELECT PANEL (SISP) 2 POSITION ✓ STATIC AIR SEL NORM ✓ PVD SELECTOR AS REQUIRED ✓ DISPLAY UNITS CHECK ✓ LDG GEAR CHECK ✓ STANDBY INSTRUMENTS CHECK / SET ✓ TAKE OFF WARNING SYSTEM CHECK ✓ SYS DISPLAY PAGES CHECK ✓ WEATHER RADAR TEST / OFF ✓ TRANSPONDER / TCAS TEST / TA-RA
15min	✓ Call ATC for clearance ✓ AUTOFLIGHT PANEL SET • Initial altitude • Heading departure runway • V3 ✓ FMS (change Departure data (SID, V-speeds) if required) ✓ TRANSPONDER CHECK / SET ✓ TO FLAP SETTING (DIAL-A-FLAP window) SET ✓ DEPARTURE BRIEFING (Dep Brief/ V-speeds/ Transition) (SEC-panel) SET ⚡ ⇨ FO: Play departure briefing (PLAY BRIEF button DEPARTUE BRIEF SEC panel)		
10min	⚡ ⇨ GA: Loadsheet dialogue (GA button MAIN-REC panel) ✓ PAX LOAD SELECT SET ✓ FMS (change weight data if required) CHECK / SET ✓ IRS (0 taxi on PFD speed tape) CHECK ⚡ ⇨ ENG: Hydraulic system test dialogue (ENG button MAIN-CALL panel) ✓ HYDRAILIC SYSTEM TEST TEST ✓ AUTO BRAKE SELECTION T.O. G CHECKLIST: FINAL COCKPIT PREPARATION ⚡ ⇨ PA: "WELCOME" dialogue (SEC-PUBLIC ADDRESS panel)		
5min	⚡ ⇨ PA: "CLOSE DOORS" dialogue (SEC-PURSER panel) ✓ START APU (if not running, ON ELEC panel) ✓ APU BLEED (Turn on) ✓ EXT PWR and BLEED (Disconnect via FMS FS Actions menu) ON OFF OBTAIN		
0min	✓ PUSH BACK clearance by ATC G BEFORE START FLOW ✓ HYD AUX PUMP 1 on ON ✓ ENG IGNITION A A or B ✓ SET PARRKING BRAKE SET G CHECKLIST: BEFORE START ⚡ ⇨ Start crew: Request for pushback dialogue (CONTACT button SEC panel) G "START ENGINE 3" ✓ ENG START SWITCH PULL ✓ FUEL SELECTOR ON (at 15% N2) ON G "START ENGINE 1" G "START ENGINE 2" G AFTER START FLOW ⚡ ⇨ Start crew : Disconnect dialogue after push (DISCONNECT button SEC panel)		✓ BEACON ON ⚡ "READY" ⚡ "15%" "45%" ⚡ "PARAMETERS STABILIZED" ✓ ENG ANTI ICE AS REQUIRED ✓ APU AIR OFF ✓ APU CHECK OFF ✓ COCKPIT WINDOWS CLOSED/LOCKED ✓ T.O. PITCH TRIM SET ✓ FLAPS SET T.O. SETTING
	G CHECKLIST: AFTER START		

	Captain (PF)		First Officer (PNF)
TAXI	TAXI CLEARANCE	OBTAIN	
	G "CLEAR LEFT"	ON OFF	
TAKE OFF	✓ EXTERIOR LIGHTS (Taxi and runway turnoff lights)		✓ HI INTENSITY & EXTERNAL LIGHTS ON ✓ ESSENTIAL ITEMS CK LIST CK GREEN BOX CHECK
	✓ PARKING BRAKE	ARM AS REQUIRED AS REQUIRED	✚ ⇨PA: "Cabin crew prepare for takeoff"
	G CONTROLS CHECK		
	G "RUDDER LEFT, TWO GREEN"		
	G "RUDDER RIGHT, TWO GREEN"		
	✚ ⇨ PRS: Cabin ready dialogue (PRS button MAIN-REC panel)		
	G CHECKLIST: TAXI		
	G BEFORE TAKEOFF FLOW		
	✓ SPOILERS		
	✓ CLOSE PACKS (only manual ops)		
	✓ TURN ON HYD REV MP 1 + 2 (only manual ops)		
	G CHECKLIST: BEFORE TAKEOFF		
	✓ THROTTLE 70% (N1 to 70% and wait stabilized)	SET 70%	
	G "TAKE OFF THRUST, AUTO THRUST"	<div> <div>Rejected Take Off:</div> <ul style="list-style-type: none"> ✓ Throttle idle ✓ Reverse thrust ✓ Brake ✓ Spoilers deployed ✓ Disengage autothrust (speed < 80 knots) ✓ Set Parking Brake ✓ Evacuate if required </div>	✓ AUTOFLIGHT (engages autothrottle) ✚ "AUTO THRUST ENGAGED"..."T/O THRUST SET" "80 knots CLAMP"..."V1"..."ROTATE" "POSITIVE CLIMB"..."GEAR UP" ✓ EXTERIOR LIGHTS (after lift off) OFF ✚ "GEAR UP, LIGHTS OUT"
CLIMB	R "ENGAGE AUTOFLIGHT" (100ft above)		✚ "ENGAGE AUTOFLIGHT"
	G "ENGAGE PROFILE and NAVIGATION"		✚ "PROFILE AND NAVIGATION ENGAGED"
	G "FLAPS ZERO"		✚ "FLAPS ZERO"..."FLAPS RETRACTED"
	G "SLATS RETRACT"		✚ "SLATS RETRACT"..."SLATS RETRACTED"
	G CHECKLIST: AFTER TAKEOFF		
	✓ ALTIMETER STANDARD	SET	✚ "TRANSITION"
	R TRANSITION ALTITUDE (TA)		✓ ALTIMETER STANDARD SET
	R TOP (cross check altitude)		
	✓ MONITOR FUEL TRANSFER (Auto Xfer of 6000kg fuel to AFT tank)		
	✓ CYCLE NO SMOKING TWICE (cabin ready for service > 10000ft)		
100nm TOD	✓ SEATBELT SIGN	OFF	
	✚ ⇨ PRS+PA: Cruise message (CRZ buttons SEC panel)		
T/D	✓ Monitor primary flight systems, fuel burn, reprogram MCDU, change optimum flight level.		
	✓ ATIS information		
	✓ FMS arrival procedures (STAR, arrival wind and runway condition)	CHECK/SET CHECK	
	✓ AIRPORT/ARRIVAL INFORMATION (STAR/IAP charts)		
	✓ APPROACH BRIEFING (APP Brief/ TRANS LEVEL / ARPT ELEV) (SEC panel)		
	✚ ⇨ FO: Play approach briefing (PLAY BRIEF button APPROACH BRIEF SEC panel)		
	✚ ⇨ PRS+PA: Top Of Descend message (TOD buttons SEC panel)		
	✓ WINDSHIELD ANTI ICE		ON – NORMAL
DESCENT	G CHECKLIST: DESCENT		
	✓ RA/BARO (decision height/ decision altitude)	SET AS REQUIRED	
	✓ AUDIO MARKER	REVIEW ON / ON	
	✓ LANDING DATA	AS REQUIRED	
	✓ SEATBELT / NO SMOKE SIGNS	SET QNH	✚ ⇨ PA: "Cabin crew, prepare for landing"
	✓ EXTERIOR LIGHTS (10000ft, Runway Turnoff Lights ON)		
APPROACH	✓ ALTIMETERS (Transition Level)		
	R TL		
	R Top (cross check altitude)		
	✚ ⇨ PRS: Cabin ready dialogue		
	G CHECKLIST: APPROACH		
	✓ INITIAL APPROACH CONFIGURATION	ACHIEVE	
	G "SLAT EXTEND" (speed < 280 knots)		
	G "FLAPS 15" (speed < 255 knots)		
FINAL	Intercept localizer		✚ "LOC ALIVE"
	Intercept Glide Slope		✚ "GLIDE ALIVE"
	G "FLAPS 28"	SET	✚ "FLAPS 28"..."FLAPS 28 EXTENDED"
	✓ FCP GO AROUND ALTITUDE		
	G "GEAR DOWN" (At 2500 ft RA) - Set Nose Light to LAND		✚ "GEAR DOWN"..."GEAR DOWN 4 GREEN"
	G "FLAPS 35 AND FINAL CHECKLIST"		✚ "FLAPS 35"..."FLAPS 35 EXTENDED"
	✓ SPEEDBRAKE LEVER	ARMED CK GREEN BOX	
	✓ ESSENTIAL ITEMS CHECK LIST	AS REQUIRED	
	✓ AUTOBRAKE		
	G CHECKLIST: FINAL		
LAND	G "LAND" (at decision height)		
	<div> <div>GO AROUND:</div> <ul style="list-style-type: none"> R GA (At Decision height) ✚ "GO AROUND – FLAPS 28" ✚ "GEAR UP"..."CHECK G/A ALTITUDE" → Go to CLIMB section page 1 </div>		
	✓ REVERSE THRUST	SET AS REQUIRED	✚ "READY FOR REVERSE"
	✓ BRAKE (if no autobrake)	SET	✚ "80 KNOTS"..."60 KNOTS"
TAXI	✓ REVERSE IDLE		✚ "REVERSE LIGHTS OUT"
	G AFTER LANDING FLOW		
	✓ SPOILER	DISARM	✓ EXTERIOR LIGHTS (HI-INT and LAND lights) AS REQUIRED ✓ FLAPS / SLAT RETRACT OFF ✓ AUTO BRAKE SEL 3° UP AS REQUIRED ✓ APU OFF ✓ WEATHER RADAR OFF ✓ XPDR / TCAS XPDR
	G CHECKLIST: AFTER LANDING		
PARKING	✓ PARKING BRAKE	SET OFF	✓ APU POWER/BLEED ON/ON ✓ ELECTRICAL PWR ESTABLISH ✓ BEACON LIGHT OFF ✓ SEAT BELT SIGNS OFF ✓ EMER PWR SELECTOR OFF ✓ INERTIAL REF SYS. CHECK / OFF ✓ GROUND COMMUNICATION ESTABLISH
	✓ FUEL SELECTORS (check APU running!)		
	✚ ⇨ ENG: Aircraft status dialogue		
	G CHECKLIST: PARKING		
	✚ PRS: Disarm the slides dialogue (DISARM SLIDES button SEC panel)		
	✓ CHECK DOOR STATUS (Doors open)	CHECK	
	Prepare for second leg		
	✓ CONNECT EXTERNAL POWER		
	✓ TURN OFF APU		
	or Prepare for second leg		
	✓ EMER LIGHTS SWITCH	OFF OFF DIM	
	✓ COCKPIT LIGHTS		
	✓ DISPLAY UNITS / MCDU	AS REQUIRED	
	✓ APU	AS REQUIRED	
	✓ BATT (ON when APU running; OFF when EXT PWR)	AS REQUIRED	