FULL PROCEDURE STEP	L & Mistral SPECIFIC	M SPECIFIC STEP	APPLIES TO ALL MODELS

## **PILOT INTERIOR INSPECTION**

Roof & t Panel	1.	CABIN LIGHT Power, Brightness, Red filter	AS NEEDED
Star	2.	UV LIGHT	AS NEEDED
olic	1.	LANDING LIGHT SWITCH	ARRET
Ő	2.	LANDING LIGHT TOGGLE	RENTRE
	3.	FLARE DISPENSER	COVERED
ole	1.	ADF MODE SELECTOR	OFF
Cons	2.	UHF MODE SELECTOR	0
intre (	3.	WEAPONS COMMAND POWER SWITCH	Α
Oe	4.	L/R MASTER ARM SWITCHES	SAFE and COVERED
	5.	PR4G MODE SELECTOR	AR
	6.	MATRA SAPHIR B0 MODE SELECTOR	AR
	7.	VHF MODE SELECTOR	Α
	8.	NADIR MODE SELECTOR	ARRET
	9.	INTERCOM VOLUME SELECTORS VHF, UHF, FM1, FM2	AS NEEDED
ilot nel	1.	AUTOPILOT MAIN SWITCH	OFF (DOWN)
Autop Pa	2.	T/R/L CHANNEL SWITCHES	AMORT.
	3.	ALT-VI SWITCH	OFF (CENTRED)
nel .	1.	DEM. SWITCH	Α
art Pa	2.	POMPE SWITCH	Α
St	3.	CLOCK	RESET
	4.	TURBINE AND ROTOR RPM	CHECK 0
	5.	T4 GAUGE	CHECK 0
	6.	WARNING LIGHTS R.SUPP, R.CONV, FILT.AS	CHECK OFF
	7.	SYSTEM SWITCHES R.SUPP, R.CONV, FILT.AS, DEBR.EFF	Α
Panel	1.	POWER SWITCHES BATT, ALT, GENE	Α
Main	2.	ENGINE LIGHTS DEM., RLT, BLOC.	CHECK OFF
	3.	SYSTEM SWITCHES TRIM, ARMT., PITOT	Α
	4.	HYDRAULIC TEST SWITCH	NOR
	5.	PILOT/COPILOT WIPER (E.G.) SWITCHES	Α

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## **PILOT INTERIOR INSPECTION**

nt.)	6.	VOLTMETER (VOLT.)	CHECK 0
- از	7.	FUEL (Q.COMB) GAUGE	INDICATED FULL
Pane	8.	OIL TEMPERATURE (TH.M) GAUGE	CHECK -20
Main	9.	ARTIFICIAL HORIZON SOURCE SELECTOR	ART.
_	10.	NADIR/ADF INDICATOR Check correct heading; pX, BUT, and CAP flag showing.	CHECK
_	11.	TORQUE INDICATOR	CHECK 0
_	12.	IAS INDICATOR	CHECK 0
_	13.	ALARME LAMP	CHECK OFF
_	14.	MAIN ARTIFICIAL HORIZON Ball stowed; LOC, G/S, and Fault flags showing.	CHECK
_	15.	VVI GAUGE	CHECK 0
_	16.	BAROMETRIC ALTIMETER	ADJUST TO 0
_	17.	RADAR ALTIMETER Power off; Off flag showing; Needle at 0	CHECK
	18.	INSTRUMENT LIGHTS (S.G.A) SWITCH	Α
	19.	NAVIGATION (F.POS) LIGHTS SWITCH	OFF (CENTRED)
	20.	ANTI-COLLISION LIGHTS SWITCH	Α
_	21.	<b>SAI</b> Ball caged; Fault flag showing.	CHECK
	22.	WARNING LIGHTS	CHECK OFF
Panel	1.	ADVISORY LAMPS TRIM, BPP, Test	CHECK OFF
Gyro	2.	TEST SWITCH	A and COVERED
_	3.	<b>GYRO FLAGS</b> GYRO, AMPLI	CHECK BARBERPOLE
	4.	MODE KNOB	Α
RWR	1.	DRAX 33 MODE SWITCH	OFF
ole	1.	STANDBY MAGNETIC COMPASS	CHECK
Cons	2.	PILOT SIGHT	UP
Roof (	3.	EXTERNAL TEMPERATURE INDICATOR	CHECK
ц. _	4.	ROTOR BRAKE LEVEL	FULLY BACK
_	5.	FUEL FLOW LEVER	SOL (FULLY BACK)
	6.	FORMATION LIGHTS (F.FORM) SWITCH	Α
		END	

FULL PROCEDURE STEP	L & Mistral SPECIFIC	M SPECIFIC STEP	APPLIES TO ALL MODELS

## **CO-PILOT INTERIOR INSPECTION**

TV	1.	TV POWER SWITCH	OFF
ltrol 30X	1.	VCB POWER (TLM) KNOB	Α
Con	2.	IR POWER (CTH) KNOB	Α
Videc	3.	MODE KNOB	Α
-	4.	CENTERING TOGGLE SWITCH	OFF (BACK)
Panel	1.	ADVISORY LAMPS TRIM, BPP, Test	CHECK OFF
Gyro	2.	TEST SWITCH	A and COVERED
	3.	GYRO FLAGS GYRO, AMPLI	CHECK BARBERPOLE
	4.	MODE KNOB	Α
RWR	1.	DRAX 33 MODE SWITCH	OFF
lick ick	1.	LASING BUTTON	COVERED
20 S S S	2.	MISSILE LAUNCH BUTTON	COVERED
dio nel	1.	PR4G MODE SELECTOR	AR
Ra Pe	2.	INTERCOM VOLUME SELECTORS VHF, UHF, FM1, FM2	AS NEEDED
ssile anel	1.	HOT3 LAUNCH KEY	ARRET
Щ. Д	2.	MISSILE LIGHTS	CHECK OFF
ole	1.	STANDBY MAGNETIC COMPASS	CHECK
Dons	2.	ROTOR BRAKE LEVEL	FULLY BACK
Roof (	3.	FUEL FLOW LEVER	SOL (FULLY BACK)
ц.	4.	FORMATION LIGHTS (F.FORM) SWITCH	Α
		END	

FULL PROCEDURE STEP	L & Mistral SPECIFIC	M SPECIFIC STEP	APPLIES TO ALL MODELS

## **BEFORE START CHECKS**

ockpit	1.	CABIN LIGHT Power, Brightness, Red filter	AS NEEDED
ŏ	2.	UV LIGHT	AS NEEDED
	3.	ARMAMENTS	CHECK
	4.	DOOR	CLOSED
Main Panel	1.	<b>BATT SWITCH</b> H.MOT, GENE, P A, B.P.HY, PITOT, H.BTP, ALTER, NAV, and H.RAL warning lights will illuminate. ALARME light will illuminate. Main artificial horizon, Engine oil temperature (TH.M), Fuel indicator (Q.COMB.) and Voltmeter (VOLT.) gauges will activate.	<b>M</b> Powers 28V DC Bus.
	2.	ALT SWITCH	М
	3.	GENE SWITCH	М
	4.	VOLTMETER (VOLT.)	CHECK 26V
	5.	<b>VOLTMETER TEST BUTTON</b> Voltmeter should register 18V; Engine lights (DEM., RLT, BLOC.),Fuel lights (R.SUPP, R.CONV), and Gyro Advisory Lamps (TRIM, BPP, TEST) should illuminate.	PRESS
	6.	<b>OIL TEMPERATURE (TH.M) GAUGE</b> Should match outside temperature or be >0°C	CHECK
	7.	PILOT/COPILOT WIPER (E.G.) SWITCHES	AS NEEDED
	8.	<b>TORQUE TEST BUTTON</b> Torque warning lamp should illuminate.	PRESS
	9.	INSTRUMENT LIGHTS (S.G.A) SWITCH	AS NEEDED
	10.	CONSOLE LIGHTING (PUP) and MAIN DASHBOARD LIGHTING (P.BO) DIALS	AS NEEDED
	11.	NAVIGATION (F.POS) LIGHTS SWITCH	CLI.
	12.	ANTI-COLLISION LIGHTS SWITCH	NOR
	13.	ANTI-COLLISION LIGHT DIAL	AS NEEDED
	14.	WARNING LIGHTS TEST BUTTON All warning lights should illuminate.	PRESS
ole .	1.	ROTOR BRAKE LEVEL	FULLY BACK
Consi	2.	FUEL FLOW LEVER	SOL (FULLY BACK)
- Joof	3.	FORMATION LIGHTS (F.FORM) SWITCH	М
<u> </u>	4.	FORMATION LIGHTS INTENSITY DIAL	AS NEEDED
Centre	5.	<b>RADIOS AND NAVIGATION EQUIPMENT</b> Most equipment requires the 115V AC bus to be powered.	AS NEEDED
Ö	6.	COLLECTIVE	FULLY DOWN
		END	

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APPLIES TO ALL MODELS

**ENGINE START** 

kpit	1.	COLLECTIVE FULLY DOWN	CHECK
Coc	2.	<b>START-UP</b> Only VHF can be used until 115V AC bus is powered.	REQUEST If required.
art Panel	1.	<b>POMPE SWITCH</b> Once fuel pump is turned on, wait 20 seconds before switching the Starter switch to start position.	Μ
Q	2.	<b>DEM. SWITCH</b> DEM. and RLT lights will illuminate.	Μ
	Mon • A s • As • Tur • On	itoring the following as the turbine goes through its start-up cycle: teady rise of Turbine RPM. RPM goes reaches 15,000, H.RAL warning light will go out. bine RPM should reach starter idle (25,000 RPM) within 40 seconds. ce starter idle RPM has been reached, the green DEM. light and the GENE warning light should	go out.
tart nel	1.	DEM. and GENE WARNING LIGHTS	CHECK OFF
a a	2.	TURBINE RPM	CHECK 25,000
	3.	VOLTMETER	CHECK 28V
nel	1.	ROTOR BRAKE LEVER	LIBRE/FULLY FORWARD
Roof Pa	2.	FUEL FLOW LEVER Move slowly forward until rotor begins to rotate.	-> <b>VOL</b> (~ <sup>1</sup> ⁄4 Forward)
	Mov and	© CAUTION ing the fuel flow lever forward too far past the rotation threshold will flood the engine and cause d extensive repairs. Once rotation has been confirmed, do not move the fuel flow lever until RPN	e damage that requires a mission abort A synchronisation has been reached.
	As ro • Tur • A s • As • Tur • Oil • As	otor starts to rotate, monitor the following: bine RPM increases to rotor clutch speed: 29,000 RPM. teady rise of Rotor RPM, T4 engine temperature, and rotor torque. Rotor RPM reaches 170 RPM, B.P.HY warning light will go out. bine and rotor synchronisation as Rotor RPM reaches 275. temperature (TH.H) will start to match ambient temperature before heating up. rotor oil pressure normalises at ~260 Rotor RPM, H.BTP warning light will go out.	
L	3.	FUEL FLOW LEVER Move slowly forward while maintaining RPM synchronization.	<b>VOL</b> (Fully forward)
	Ν	Noving the fuel flow lever forward too quickly will make the turbine and rotor clutch slip and floo requiring a mission abort and extensive repairs.	d the engine, causing damage and
	As the rotor picks up speed, monitor the following: • As turbine oil pressure normalises at ~30,000 Turbine RPM, H.MOT warning light will go out. • As Turbine RPM reaches 41,300, the alternator will switch on, indicated by the ALTER light going out. • With the alternator powering the 115V AC bus, the NAV warning light will go out. • As the Turbine RPM reaches 41,500 RPM, the RLT lamp will go out. • With the Fuel Flow Lever fully forward, Turbine RPM should reach its ready value of 43,500 RPM; Rotor RPM should reach its regulated value of 387 RPM.		out. Rotor RPM should reach its regulated
	On eng	Ce the turbine and rotor are up to speed, the Fuel Flow Lever should be kept fully forward at all ine to shut down, which may cause catastrophic departure from flight as the rotor loses power, the alternator no longer functions.	times. Failure to do so will cause the as well as loss of electrical system as
	•••••	END	

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## **AFTER START CHECKS**

nel	1.	PITOT SWITCH	Μ
in Pa	2.	TRIM SWITCH	Μ
ž	3.	RADAR ALTIMETER KNOB	M (RIGHT)
_	4.	RADAR DANGER ALTITUDE	SET
_	5.	MAIN ARTIFICIAL HORIZON	RESET
	6.	SAI	RESET
nel	1.	GYRO KNOB	GM
Gyro Pa	2.	AUTOPILOT TEST SWITCH TRIM, BPP, and TEST advisory lamps will illuminate.	UNCOVERED and ON
	3.	AUTOPILOT TEST SWITCH	OFF and COVERED
	4.	<b>GYRO FLAGS</b> GYRO, AMPLI, After 1 minute of 115V AC bus power.	ON
RWR	1.	DRAX 33 MODE SWITCH	ON
nel	1.	DEM. SWITCH	Α
പ്പ	2.	DEBR. EFF SWITCH	Μ
ilot	1.	AUTOPILOT MAIN SWITCH	ON (UP)
Autop Pa	2.	T/R/L CHANNEL SWITCHES	P.A. (UP)
	3.	ALT-VI MODE SWITCH	OFF (CENTRED)
are ser	1.	MATRA SAPHIR B0 MODE SELECTOR	LE
spen	2.	SEQUENCE SWITCH	C/C
ā	3.	SIDE SELECTOR	G+D
Pilot ectv.	1.	LANDING LIGHT MODE SWITCH	AS NEEDED
Coll	2.	LANDING LIGHT DEPLOYMENT SWITCH	AS NEEDED
		END	

FULL PROCEDURE STEP         L & Mistral SPECIFIC         M SPECIFIC STEP         APPLIES TO ALL MODELS
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## NADIR AND NAVIGATION SYSTEMS SET-UP

NADIR	NA	<b>NOTE</b> DIR and ADF systems require the 115V AC bus to be powered and therefore cannot be set up b frequencies can be preset without AC bus power to save on fuel and engine	efore engine start. However, the ADF running time.
	1.	MODE SELECTOR	VEILLE
	AIR, • Afte • Afte	ERR NAV and PANNE advisory lights illuminate. er 40 seconds, AIR light goes out. er 70 seconds, ERR NAV and PANNE lights go out.	
	2.	MODE SELECTOR	TEST SOL
	AIR, • Afte • The • The	ERR NAV and PANNE advisory lights illuminate. er 10 seconds, PANNE light goes out. e double needle on the NADIR/ADF indicator points to 45°. e NADIR/ADF distance counter displays 50,0.	
-	3.	MODE SELECTOR	TERRE
	4.	AUXILIARIES	TEST
	In TE [AU> [AU> [AU> [AU> [AU> [AU>	RRE mode, enter the following: $(1)$ Damage analysis $\Rightarrow 0 \ 1 \ 2 \ 3 \ 4$ is displayed. $(2)$ Vx, Vy test $\Rightarrow 217 \pm 13; 47 \pm 9$ are displayed. $(3)$ Own ground speed $\Rightarrow 0$ is displayed $(4)$ Pitch & Roll $\Rightarrow$ Pitch at upper line; roll at lower line, per current condition $(5)$ Visual test $\Rightarrow$ Every displayabale digit is illuminated. $(7)$ VxVy integration $\Rightarrow 0; 0$ is displayed. Press (7) to disengage.         iaries 0 (Maintenance), 8 (Zeroing damage) and 9 (F5 residual A) are not simulated.	n.
	5.	NAVIGATION DATA	ENTER
	Para • Pre • Pre • A s Cop From From From	meter selector to 𝔅 BUT. ss [GEO / UTM] to select Lat/Long or UTM coordinates. ss the number corresponding to the waypoint. ss [ENT] to enter edit mode. Insert the correct coordinates, using the ↓ to move between lines. hort [EFF] key press erases the last digit; a long press exits the edit mode. ving from current position to a point: 𝔅 PP [GEL] 𝔅 BUT ( n ) [ENT] a a stored position to a point: [POS FIX] 𝔅 PP [GEL] 𝔅 BUT ( n ) [ENT] a point to another point: 𝔅 BUT ( n ) [GEL] ( n ) [ENT] a a point to another point: 𝔅 BUT ( n ) [GEL] ( n ) [CNT] a point to another point (polar): 𝔅 BUT [POL] ( n 1 ) ( n2 ) [CNT]	
	6.	FIRST WAYPOINT Mode selector to TERRE; Parameter selector ூ BUT. NADIR/ADF gauge double needle points to waypoint; gauge distance drum displays calculated distance.	SELECTED Press (1).
ler	1.	ADF1 and ADF2	TUNE
ADF Pai	• Tur • Use swite • Sw • Tur	n Mode switch to ANT, turn TONE switch on, and switch TFR selector switch to ADF1. er frequency rotators to select the frequency of the desired beacon, and listen for the correct tor sh to make sure the tone is clearly audible. tch the TFR selector switch to ADF2 and repeat the process for a second NDB if desired. In TFR switch back to ADF1, turn TONE switch off, and turn the mode switch to ADF.	ne to be repeated. Use the gain
Main Panel	1.	NADIR/ADF GAUGE Double needle should point to the selected waypoint. Thin needle should point to the selected NDB. pX, BUT, and CAP flags should be stowed. Ensure that the Steady Bug at the top matches the heading of the standby magnetic compass.	CHECK
	2.	ARTIFICIAL HORIZON SOURCE SELECTOR	AS NEEDED
		END	

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## **COMMUNICATIONS SET-UP**

Intercom Panel	While	e the radios will turn on a	nd ca	n be operated as soon a radio will be lir	as the nited (	NOTE 28V DC bus is powered until the alternator is rur	l, trans ining.	missi	ion capability	on anything but the VHF
	1.	VHF, UHF, FM1	vo	LUME KNOBS					A	S NEEDED
Radio	1.	MAIN SELECT Squelch; check op	<b>OR</b> erati	on by listening for I	noise	·.				EN
HHU .	2.	MAIN SELECT	OR							FF
_	3.	FREQUENCY Enter six numbers,	follo	wed by VLD XFR b	outto	n.			E	INTERED
	4.	COMMS								CHECK
Radio	1.	MODE SELECT Check operation b	<b>FOR</b> y list	ening for 1kHz tone	э.					TST
μ	2.	MODE SELECT	ΓOR	2					-	TRAFFIC
PR4G	3.	CHANNEL SEL	EC.	TOR					A	S NEEDED
	Defa	ult channel fequencies as	s follo	ws:						
	1	30 MHz FM	2	31 MHz FM	3	32 MHz FM	4	33	MHz FM	
	5	34 MHz FM	6	40 MHz FM	0	41 MHz FM	RG	42	MHz FM	
	4.	COMMS								CHECK
Radio	1.	MODE SELECT Squelch; check op	<b>FOR</b> erati	l on by listening for ı	noise	·.				SIL
HH-	2.	MODE SELEC Check operation b	<b>FOR</b> y list	ening for 1kHz tone	ə.					TEST
	3.	MODE SELECT	ΓOR	ł						М
-	4.	FREQUENCY								SET
	5.	COMMS								CHECK
					E١	1D				
• • • • • • •	• • • • • •		• • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •				

## "VIVIANE" / "ATHOS" SYSTEM SET-UP

TV	1.	TV POWER SWITCH	ON
30X	1.	VCB POWER (TLM) KNOB	М
Itrol E	2.	IR POWER (CTH) KNOB	Μ
so Cor	The mod	thermal vision needs 3 minutes to cool down at start. Until this time, you can use the VDO mod e is not available at full quality.	e and control the camera, but the VTH
Vide	3.	MODE KNOB	ASS
	4.	CENTERING TOGGLE SWITCH	OFF (BACK)
ick ick	1.	LASING BUTTON	COVERED
St	2.	MISSILE LAUNCH BUTTON	COVERED
		END	

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APPLIES TO ALL MODELS

# **HOVER CHECK**

1. TRI	Μ											RESET
2. RU Be p	<b>DDER</b> prepare	d to co	ounter	unwai	nted ya	aw mo	otion.					~1⁄4 RIGHT
3. CO Slov lift.	LLEC <sup>.</sup> /ly pull	<b>TIVE</b> back ι	until aiı	rcraft l	ifts off	. Be p	repare	d to c	ounter	unwa	nted	UP SLOWLY
4. ES1	<b>FABLI</b>	SH H	OVE	R								1.5 m
Use cyclic a create addit	and collectional lift.	ctive to reauirin	stabilise a the co	e craft. A llective t	As stabil to be lov	lity is rea	ached, a mainta	autopilo in altitud	t SAS w de as sta	ill help 1 ability in	o damp c creases.	but movement, but ground effect will
5. TRI	M		<u> </u>									SET
6. HO	VER T	ORG	UE									CHECK
m \ °C -500 0 1,000 2,000 3,000 4,000 5,000 6,700	Maximur           -50           100           100           100           100           100           100           100           100           100           100           100           100           100           100           100           92           81           74	n Allow -40 100 100 100 100 100 98 88 77 71	able To           -30           100           100           100           100           100           100           94           84           74           68	rque (% -20 100 100 100 100 100 90 80 70 65	6) per a -10 100 100 100 100 95 85 76 67	Ittitude 0 100 100 100 100 90 80 71	and am 10 100 100 94 84 95	bient to 20 100 100 98 87 77	empera 30 100 90 80	ture 40 95 90 80	45 91 85	
7. CO Gen	LLEC tly settl	<b>TIVE</b> e aircr	aft bad	ck on t	the gro	ound.						FORWARD
8. TO	RQUE	BUG	à									SET
							EN	D				

## TAKE OFF

1. TAKE-OFF	REQUEST
2. ESTABLISH HOVER	1.5 m
3. CYCLIC	SLIGHT FORWARD
If stable hover has been established, no collective movement should be needed to gain forward sp speed increases, translational lift builds up, lifting the aircraft into a natural climb. Try to maintain 12 As you move out of translational lift, collective input will be needed to maintain climb at a constant increased forward speed against maintaining altitude.	eed and maintain hover altitude. As 20 km/h while climbing. 120 km/h forward speed, or to balance
4. RUDDER	<b>RETURN TO CENTRE</b>
As forward speed increases, aerodynamic forces will work to counter the torque-induced yaw of th to the centre position (and/or reset trim) to compensate and maintain forward flight.	e aircraft. Slowly return rudder pedals
END	

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## **ALTITUDE HOLD MODE**

1. AUTOPILOT MAIN SWITCH	ON (UP)
2. T/R/L CHANNEL SWITCHES	P.A. (UP)
3. AIRSPEED	>120 km/h
4. VERTICAL VELOCITY	<±60 m/min
5. AUTOPILOT ALT-VI MODE SWITCH	ALT
6. CYCLIC AUTOPILOT BUTTON	PRESS
NOTE	

The altitude hold mode engaging can be established by indicated by the Torque Gauge quickly changing to a new stable level. The mode can also be monitored using the Pitch (T) correction indicator on the autopilot panel and the Gyro Sync monitor on the gyro panel.

#### COLLECTIVE 7.

S CAUTION If airspeed drops below 120 km/h, the altitude hold mode will disengage, which is indicated by the PA warning light illuminating.

#### **END**

#### SPEED HOLD MODE

1. AUTOPILOT MAIN SWITCH	ON (UP)
2. T/R/L CHANNEL SWITCHES	P.A. (UP)
3. VERTICAL VELOCITY	<±60 m/min
4. AUTOPILOT ALT-VI MODE SWITCH	VI
5. CYCLIC AUTOPILOT BUTTON	PRESS

#### NOTE

The speed hold mode engaging can be established by indicated by the Torque Gauge quickly changing to a new stable level, and by the aircraft no longer responding to cyclic Pitch input. The mode can also be monitored using the Pitch (T) correction indicator on the autopilot panel and the Gyro Sync monitor on the gyro panel.

#### 6. COLLECTIVE

#### **CONTROLS ALTITUDE**

**CONTROLS SPEED** 

### **⊘** CAUTION

With the cyclic pitch controlled by the autopilot, you can no longer use the cyclic to counteract nose drop and altitude loss, or to increase turn rate, while doing high-roll turns. Be ready to use yaw and collective inputs to compensate, and to disengage the autopilot if loss of control is imminent.

#### END

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M SPECIFIC STEP

APPLIES TO ALL MODELS

## **AUTO-HOVER MODE**

2. T/R/L CHANNEL SWITCHES	P.A. (UP)
3. AIRSPEED	<18 km/h
NOTE The IAS gauge only measures forward speed, whereas the auto-hover mode requires total grou additonal indication, set NADIR parameter selector to ৩ VS DER (Ground Speed—Deviation), and and the nose-mounted Slip String to determing the direction of r	nd speed to be less than 18 km/h. For also monitor the Main Horizon Slip Ball notion.
4. VERTICAL VELOCITY	<±60 m/min
5. ROLL and PITCH	<30°
6. CYCLIC HOVER MODE BUTTON	PRESS
aircraft no longer responding to cyclic input. The mode can also be monitored using the Pitch indicators on the autopilot panel and the Gyro Sync monitor on the g	(T), Bank (R) and Yaw (L) correction lyro panel.
indicators on the autopilot panel and the Gyro Sync monitor on the g	
7. COLLECTIVE	CONTROLS ALITIODE
CAUTION The simulation offers an auto-collective in conjunction with the auto-hover mode. Monitor the ver and that the aircraft is not lifting or decending uncontrollable. Uncontrolled descent may cause to resulting in a substantial loss of lift that may not be recoverable by collective power alone. In su mode and push the cyclic forward to gain forward speed and exit the vo	rtical velocity to ensure that it is active he aircraft to enter a vortex ring state, ch an instance, disengage auto-hover rtex ring state.
<b>NOTE</b> While in auto-hover, with the "Viviane" or "Athos" camera deployed, and with the VCB Mode swite slaved to the camera by pressing the cyclic Slave button.	h set to PIL, the aircraft heading can be
END	

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APPLIES TO ALL MODELS

## **APPROACH CHECK**

utopilot Panel	1.	AIRCRAFT LEVEL FLIGHT	ESTABLISHED and TRIMMED
A.	2.	AUTOPILOT MAIN SWITCH	ON (UP)
	3.	T/R/L CHANNEL SWITCHES	P.A. (UP)
ADIR and )F panels	1.	<b>NADIR LANDING WAYPOINT</b> Refer to Navigation Setup checklist on how to set a waypoint; refer to the map or kneeboard for coordinate of the desired aerodrome or FARP.	SET and SELECTED
Ϋ́	2.	ADF1 and ADF2	SET TO OUTER AND INNER BEACON
adio Inels	1.	VHF, UHF, FM1 VOLUME KNOBS	AS NEEDED
Чġ	2.	UHF, VHF, and PR4G FM RADIOS	TUNED AS NEEDED
nel	1.	ARTIFICIAL HORIZON SOURCE SELECTOR	AS NEEDED
ain Pa	2.	NADIR/ADF GAUGE	CHECK
۳ ۳	3.	AIRSPEED AND VERTICAL VELOCITY	CHECK
	4.	FUEL AVAILABILITY	CHECK
	Со	nsider an average fuel consumption of 4L/min, and consult NADIR/ADF gauge to and NADIR S	VS Parameter display to estimate a
		fuel consumption required to reach the intended landing aerodro If fuel situation is critical, examine availability of divert aerodromes or prepare for off-f	ield emergency landing.
	5.	If fuel situation is critical, examine availability of divert aerodromes or prepare for off-f	ield emergency landing.
	5. 6.	ARMT. SWITCH PILOT/COPILOT WIPER (E.G.) SWITCHES	A AS NEEDED
	5. 6. 7.	ARMT. SWITCH PILOT/COPILOT WIPER (E.G.) SWITCHES INSTRUMENT LIGHTS (S.G.A) SWITCH	A AS NEEDED AS NEEDED AS NEEDED
	5. 6. 7. 8.	ARMT. SWITCH PILOT/COPILOT WIPER (E.G.) SWITCHES INSTRUMENT LIGHTS (S.G.A) SWITCH CONSOLE LIGHTING (PUP) and MAIN DASHBOARD LIGHTING (P.BO) DIALS	A AS NEEDED AS NEEDED AS NEEDED AS NEEDED
	5. 6. 7. 8. 9.	ARMT. SWITCH PILOT/COPILOT WIPER (E.G.) SWITCHES INSTRUMENT LIGHTS (S.G.A) SWITCH CONSOLE LIGHTING (PUP) and MAIN DASHBOARD LIGHTING (P.BO) DIALS NAVIGATION (F.POS) LIGHTS SWITCH	A AS NEEDED AS NEEDED AS NEEDED AS NEEDED CLI.
	5. 6. 7. 8. 9.	ARMT. SWITCH PILOT/COPILOT WIPER (E.G.) SWITCHES INSTRUMENT LIGHTS (S.G.A) SWITCH CONSOLE LIGHTING (PUP) and MAIN DASHBOARD LIGHTING (P.BO) DIALS NAVIGATION (F.POS) LIGHTS SWITCH ANTI-COLLISION LIGHTS SWITCH	A AS NEEDED AS NEEDED AS NEEDED AS NEEDED CLI. NOR
	5. 6. 7. 8. 9. 10. 11.	ARMT. SWITCH PILOT/COPILOT WIPER (E.G.) SWITCHES INSTRUMENT LIGHTS (S.G.A) SWITCH CONSOLE LIGHTING (PUP) and MAIN DASHBOARD LIGHTING (P.BO) DIALS NAVIGATION (F.POS) LIGHTS SWITCH ANTI-COLLISION LIGHT DIAL	A AS NEEDED AS NEEDED AS NEEDED AS NEEDED CLI. NOR AS NEEDED
anel	5. 6. 7. 8. 9. 10. 11. 1.	ARMT. SWITCH PILOT/COPILOT WIPER (E.G.) SWITCHES INSTRUMENT LIGHTS (S.G.A) SWITCH CONSOLE LIGHTING (PUP) and MAIN DASHBOARD LIGHTING (P.BO) DIALS NAVIGATION (F.POS) LIGHTS SWITCH ANTI-COLLISION LIGHTS SWITCH ANTI-COLLISION LIGHT DIAL FORMATION LIGHTS (F.FORM) SWITCH	A AS NEEDED AS NEEDED AS NEEDED AS NEEDED CLI. NOR AS NEEDED M
Roof Panel	5. 6. 7. 8. 9. 10. 11. 1. 2.	ARMT. SWITCH PILOT/COPILOT WIPER (E.G.) SWITCHES INSTRUMENT LIGHTS (S.G.A) SWITCH CONSOLE LIGHTING (PUP) and MAIN DASHBOARD LIGHTING (P.BO) DIALS NAVIGATION (F.POS) LIGHTS SWITCH ANTI-COLLISION LIGHTS SWITCH ANTI-COLLISION LIGHT DIAL FORMATION LIGHTS (F.FORM) SWITCH FORMATION LIGHTS INTENSITY DIAL	A AS NEEDED AS NEEDED AS NEEDED AS NEEDED CLI. NOR AS NEEDED M AS NEEDED
Roof Panel	5. 6. 7. 8. 9. 10. 11. 1. 2. 3.	ARMT. SWITCH PILOT/COPILOT WIPER (E.G.) SWITCHES INSTRUMENT LIGHTS (S.G.A) SWITCH CONSOLE LIGHTING (PUP) and MAIN DASHBOARD LIGHTING (P.BO) DIALS NAVIGATION (F.POS) LIGHTS SWITCH ANTI-COLLISION LIGHTS SWITCH ANTI-COLLISION LIGHT DIAL FORMATION LIGHTS (F.FORM) SWITCH FORMATION LIGHTS INTENSITY DIAL PILOT SIGHT	A AS NEEDED AS NEEDED AS NEEDED AS NEEDED CLI. NOR AS NEEDED M AS NEEDED M AS NEEDED STOWED
WCB Roof Panel Panel	5. 6. 7. 8. 9. 10. 11. 1. 2. 3. 1.	ARMT. SWITCH PILOT/COPILOT WIPER (E.G.) SWITCHES INSTRUMENT LIGHTS (S.G.A) SWITCH CONSOLE LIGHTING (PUP) and MAIN DASHBOARD LIGHTING (P.BO) DIALS NAVIGATION (F.POS) LIGHTS SWITCH ANTI-COLLISION LIGHTS SWITCH ANTI-COLLISION LIGHTS INTENSITY DIAL FORMATION LIGHTS (F.FORM) SWITCH FORMATION LIGHTS INTENSITY DIAL PILOT SIGHT WEAPONS POWER SWITCH	A AS NEEDED AS NEEDED AS NEEDED AS NEEDED CLI. NOR AS NEEDED M AS NEEDED M AS NEEDED STOWED A
WCB Roof Panel Panel	5. 6. 7. 8. 9. 10. 11. 1. 2. 3. 1. 2.	ARMT. SWITCH PILOT/COPILOT WIPER (E.G.) SWITCHES INSTRUMENT LIGHTS (S.G.A) SWITCH CONSOLE LIGHTING (PUP) and MAIN DASHBOARD LIGHTING (P.BO) DIALS NAVIGATION (F.POS) LIGHTS SWITCH ANTI-COLLISION LIGHTS SWITCH ANTI-COLLISION LIGHT DIAL FORMATION LIGHTS (F.FORM) SWITCH FORMATION LIGHTS INTENSITY DIAL PILOT SIGHT WEAPONS POWER SWITCH LEFT and RIGHT PYLON SWITCHES	A AS NEEDED AS NEEDED AS NEEDED AS NEEDED CLI. NOR CLI. NOR AS NEEDED M AS NEEDED M AS NEEDED STOWED A SAFE and COVERED
bilot WCB Roof tion Panel Panel	5. 6. 7. 8. 9. 10. 11. 1. 2. 3. 1. 2. 1.	ARMT. SWITCH PILOT/COPILOT WIPER (E.G.) SWITCHES INSTRUMENT LIGHTS (S.G.A) SWITCH CONSOLE LIGHTING (PUP) and MAIN DASHBOARD LIGHTING (P.BO) DIALS NAVIGATION (F.POS) LIGHTS SWITCH ANTI-COLLISION LIGHTS SWITCH ANTI-COLLISION LIGHT DIAL FORMATION LIGHTS (F.FORM) SWITCH FORMATION LIGHTS INTENSITY DIAL PILOT SIGHT WEAPONS POWER SWITCH LEFT and RIGHT PYLON SWITCHES MISSILE KEY	A AS NEEDED AS NEEDED AS NEEDED AS NEEDED CLI. NOR CLI. NOR AS NEEDED M AS NEEDED M AS NEEDED STOWED A SAFE and COVERED ARRET
Co-pilot WCB Roof position Panel Panel	5. 6. 7. 8. 9. 10. 11. 1. 2. 3. 1. 2. 1. 2.	ARMT. SWITCH PILOT/COPILOT WIPER (E.G.) SWITCHES INSTRUMENT LIGHTS (S.G.A) SWITCH CONSOLE LIGHTING (PUP) and MAIN DASHBOARD LIGHTING (P.BO) DIALS NAVIGATION (F.POS) LIGHTS SWITCH ANTI-COLLISION LIGHTS SWITCH ANTI-COLLISION LIGHT DIAL FORMATION LIGHTS (F.FORM) SWITCH FORMATION LIGHTS INTENSITY DIAL PILOT SIGHT WEAPONS POWER SWITCH LEFT and RIGHT PYLON SWITCHES MISSILE KEY LASE BUTTON	A         AS NEEDED         AS NEEDED         AS NEEDED         AS NEEDED         AS NEEDED         CLI.         NOR         AS NEEDED         M         AS NEEDED         STOWED         AS         SAFE and COVERED         ARRET         COVERED

L & Mistral SPECIFIC

**M SPECIFIC STEP** 

APPLIES TO ALL MODELS

<ul> <li>1. LANDING LIGHT MODE SWITCH</li> <li>2. LANDING LIGHT DEPLOYMENT SWITCH</li> <li>3. INBOUND</li> <li>1. BAROMETRIC ALTIMETER FIELD PRESSURE</li> <li>2. NADIR/ADF GAUGE HEADING</li> <li>3. DESCENT POINT</li> <li>Use NADIR, ADF, ATC and/or visual reference points to navigate to an approach starting point. Set the correct heading, at 120km/h, and at an altitude of 150m.</li> </ul>	AS NEEDED         AS NEEDED         REPORT         SET         CHECK         ESTABLISH         : up the approach by travelling along
<ul> <li>2. LANDING LIGHT DEPLOYMENT SWITCH</li> <li>3. INBOUND</li> <li>1. BAROMETRIC ALTIMETER FIELD PRESSURE</li> <li>2. NADIR/ADF GAUGE HEADING</li> <li>3. DESCENT POINT</li> <li>Use NADIR, ADF, ATC and/or visual reference points to navigate to an approach starting point. Set the correct heading, at 120km/h, and at an altitude of 150m.</li> </ul>	AS NEEDED REPORT SET CHECK ESTABLISH
<ul> <li>3. INBOUND</li> <li>1. BAROMETRIC ALTIMETER FIELD PRESSURE</li> <li>2. NADIR/ADF GAUGE HEADING</li> <li>3. DESCENT POINT</li> <li>Use NADIR, ADF, ATC and/or visual reference points to navigate to an approach starting point. Set the correct heading, at 120km/h, and at an altitude of 150m.</li> </ul>	REPORT         SET         CHECK         ESTABLISH         : up the approach by travelling along
<ul> <li><b>1. BAROMETRIC ALTIMETER FIELD PRESSURE</b></li> <li><b>2. NADIR/ADF GAUGE HEADING</b></li> <li><b>3. DESCENT POINT</b></li> <li>Use NADIR, ADF, ATC and/or visual reference points to navigate to an approach starting point. Set the correct heading, at 120km/h, and at an altitude of 150m.</li> </ul>	SET CHECK ESTABLISH : up the approach by travelling along
2. NADIR/ADF GAUGE HEADING     3. DESCENT POINT     Use NADIR, ADF, ATC and/or visual reference points to navigate to an approach starting point. Set the correct heading, at 120km/h, and at an altitude of 150m.     FND	CHECK ESTABLISH : up the approach by travelling along
3. DESCENT POINT Use NADIR, ADF, ATC and/or visual reference points to navigate to an approach starting point. Set the correct heading, at 120km/h, and at an altitude of 150m.	ESTABLISH
Use NADIR, ADF, ATC and/or visual reference points to navigate to an approach starting point. Set the correct heading, at 120km/h, and at an altitude of 150m.	up the approach by travelling along
VISUAL CONSTANT-ANGLE APPROACH	
1. LANDING	REQUESTED
2. DESCENT STARTING PARAMETERS - ALTITUDE - SPEED - HEADING	150 m 120 km/h AS REQUIRED
3. PARAMETERS, 150–50m ALTITUDE - SPEED - DESCENT RATE	120 km/h <100 m/min
Use cyclic and collective to keep both speed and descent rate constant for a smooth, linear desce autopilot mode may be used to maintain velocity, allowing the pilot to concentrate on controlling the	ent. For initial descent, the Speed Ho ne collective.
4. PARAMETERS, 50–1.5m ALTITUDE - SPEED - DESCENT RATE	70 km/h <100 m/min
<ul> <li>4. PARAMETERS, 50–1.5m ALTITUDE <ul> <li>SPEED</li> <li>DESCENT RATE</li> </ul> </li> </ul> <li>Pull back on cyclic to reduce speed, and compensate with lowered collective to maintain constant des start generating extra lift, requiring additional lowering of the collective. At 80–90 km/h, the SAS stabilis prepare to compensate with rudder pedal input to counteract the yaw.</li>	70 km/h <100 m/min

L & Mistral SPECIFIC

M SPECIFIC STEP

APPLIES TO ALL MODELS

## **ENGINE SHUT-DOWN**

	001/5555		
2. FLARE DISPENSE BUILTON	COVERED		
3. TURN OFF SYSTEMS ON THE 115V AC BUS			
- TV	Off		
- VCB Power, IR, and Mode Knobs	A		
- Missile Key	Arret		
- DRAX 33 RWR	Off		
- Gyro mode knob	A		
- NADIR Mode Knob	Arret		
- VHF Mode knob	A		
- PR4G FM Mode Knob	Ar		
- UHF Mode knob	0		
- Weapons Power Switch	A		
- Matra Saphir BU Mode Switch			
- Autopliot Master Switch	Off (Down)		
- T/R/L Channel Switches	Amort.		
- Debi. Ell Switch - Trim Armt, and Pitot Switches			
- Badar Altimeter Mode knob			
The 115V AC bus systems will shut down automatically as the engine winds down and the alternate To avoid power spikes and fluctuations, and to ensure systems integrity, they should be shut dow essential, this step can be skipped as long as proper pre-start procedures Some systems, like the Main Artificial Horizon can only be shut off through loss of power ar	or cuts out below 41,300 Turbine RPM. In manually first. However, if speed is are observed.		
4. FUEL FLOW LEVER	SOL (FULLY BACK)		
5. TUBN OFF SYSTEMS ON THE 28V DC BUS			
- Pompe switch	А		
- Gene and Alt switches	A		
- Navigation Lights (F.Pos) switch	Off (Centred)		
- Anti-collision and Instrument (S.G.A.) light switches	A		
- Formation (F.Form) Lights switch	A		
- Landing Lights Mode switch	Arret		
- Landing Lights Deployment switch	Rentre		
© CAUTION The 28V DC bus systems will shut down automatically as the battery is turned off. To avoid power spikes and fluctuations, and to ensure			

procedures are observed.

6.	<b>ROTOR BRAKE</b> Once Rotor RPM <170, as indicated by the B.P.HY warning light illuminating.	FULLY BACK
7.	BATT SWITCH	Α
8.	PILOT SIGHT	STOWED
9.	DOOR	OPEN
10.	UV and CABIN LIGHTS	OFF
END		

APPLIES TO ALL MODELS

## INGRESS

ain Jel	1.	ARMT. SWITCH	Μ	
ΡĞ	2.	NAVIGATION (F.POS) LIGHTS SWITCH	OFF (CENTRED)	
	3.	ANTI-COLLISION LIGHTS SWITCH	Α	
ilot ive	1.	LANDING LIGHT SWITCH	ARRET	
ollect	2.	LANDING LIGHT TOGGLE	RENTRE	
0	3.	FLARE DISPENSE BUTTON	UNCOVERED	
are ser	1.	MATRA SAPHIR B0 MODE SELECTOR	VE	
Spena	2.	SEQUENCE SWITCH	SEQ	
Ö	3.	SIDE SELECTOR	G+D	
END				

## GIAT M621 GUN EMPLOYMENT (SA342L)

B	1.	WEAPONS POWER SWITCH	Μ
$\geq$	2.	LEFT PYLON SWITCH	SAFE and COVERED
	3.	RIGHT PYLON SWITCH	ARM and UNCOVERED
_	4.	PILOT SIGHT	DOWN
	Wea • Ra • Ra • An	pon employment characteristics: nge: 1,200m. te of Fire: 740 Rpm. munition capacity: 240x 20mm rounds.	
⊃ilot ∕clic	1.	TARGET	CENTRED
-0-	2.	PILOT CYCLIC TRIGGER	PRESS
END			

## SNEB68 EAP ROCKET EMPLOYMENT (SA342L)

H O	1. WEAPONS POWER SWITCH	м
Š	2. LEFT PYLON SWITCH	ARM and UNCOVERED
	3. RIGHT PYLON SWITCH	SAFE and COVERED
	4. PILOT SIGHT	DOWN
	Weapon employment characteristics: • Range: 4,000m. • Ammunition capacity: 8x 68mm rockets.	
⊃ilot ∕clic	1. TARGET	CENTRED
-0	2. PILOT CYCLIC TRIGGER	PRESS
END		

FULL PROCEDURE STEP	L & Mistral SPECIFIC	M SPECIFIC STEP	APPLIES TO ALL MODELS

# HOT3 MISSILE EMPLOYMENT (SA342M)

ol Box (BCV)	1.	"VIVIANNE" AIMING SYSTEM	CHECK READY
	2.	MODE KNOB	PIL
	3.	ZOOM KNOB	± AS NEEDED
Cont	4.	VDO/VTH TOGGLE	AS NEEDED
Video	5.	MINISTICK	SLEW CAMERA ONTO TARGET
	Wi <sup>;</sup> slav	<b>NOTE</b> In the "Vivianne" set to PIL mode, and the aircraft in auto-hover autopilot mode, the pilot can pr e aircraft headingto the camera. This allows the co-pilot to control aircraft yaw and ensure optir missile.	ess the Slave button on the cyclic to num launch parameters for the HOT3
Panel	1.	MISSILE KEY	JOUR/NUIT As needed
ssile	2.	ROTARY KNOB	ACTIVE PYLON
	Selecting a different missile station while a missile is already in the air will cut the wire to the missile in flight, making it lose control and most likely miss its target or self-destruct.		e in flight, making it lose control and CHECK
	0.	BON, ALIMENTATION, MISSIL PRET, and TIR AUTOR. lights must be illuminated.	
	<b>NOTE</b> To be granted fire permission, the following conditions must be fulfilled: • A missile is selected. • The relative angle between the camera and the aircraft nose must be between G003 and D003. • ARMT. switch must be set to M. • Weapon Key must be on one of the two "MARCHE" positions.		
<u>io</u>	1.	CAMERA GAIN, BRIGHTNESS and SYMBOLOGY	AS NEEDED
Video St	2.	LASE BUTTON	UNCOVERED AND PRESSED
opilot.	3.	RANGE TO TARGET	CHECK <4,300m
ŏ	4.	<b>MISSILE LAUNCH BUTTON</b> Maintain aircraft and missile within launch and guidance parameters until detonation.	UNCOVERED AND PRESSED
	5.	EFFECT ON TARGET	REPORT
		END	

FULL PROCEDURE STEP	L & Mistral SPECIFIC	M SPECIFIC STEP	APPLIES TO ALL MODELS
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## MBDA MISTRAL MISSILE EMPLOYMENT (SA342MISTRAL)

B	1.	WEAPONS POWER SWITCH	Μ
8	2.	LEFT PYLON SWITCH	ARM and UNCOVERED
	3.	RIGHT PYLON SWITCH	ARM and UNCOVERED
-	4.	PILOT SIGHT	DOWN
	Wea • Rai • See	pon employment characteristics: nge: 5,000m. eker: Passive infra-red.	
/olic	1.	TARGET	CENTRED
ot O	2.	TONE	STEADY
ā	3.	PILOT CYCLIC TRIGGER	PRESS
END			

## EGRESS

ain Del	1.	ARMT. SWITCH	Α
Σď	2.	NAVIGATION (F.POS) LIGHTS SWITCH	CLI.
	3.	ANTI-COLLISION LIGHTS SWITCH	NOR
B	4.	WEAPONS POWER SWITCH	S
	5.	LEFT and RIGHT PYLON SWITCHES	SAFE and COVERED
CoP.	6.	MISSILE KEY	ARRET
are ser	1.	MATRA SAPHIR B0 MODE SELECTOR	LE
Spena	2.	SEQUENCE SWITCH	C/C
	3.	SIDE SELECTOR	G+D
		END	