

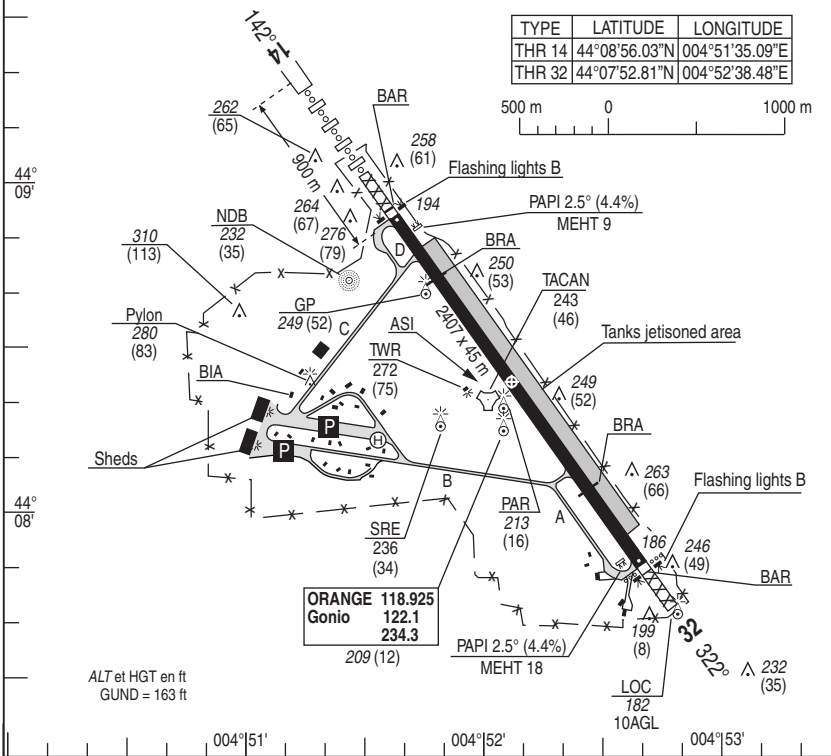
# NATIONAL FRA AERODROME CHART

25 FEB 2021

## 01 ORANGE CARITAT LFMO

ALT AD : 197 (7 hPa)

VAR : 2°E (20)



RWY	LIGHTING		DECLARED DISTANCES				Surface Strength	MINIMUMS TKOF (RVR in m)				
	APPROACH	RWY	TORA	TODA	ASDA	LDA		CAT A	B	C	D	E
14	HI OTAN 900m	LHI / LIL	2407	2407	2407	2407	Paved	550			550	
32	NIL	LHI / LIL	2407	2407	2407	2407	14 R/B/W/T	550			550	

### OMNIDIRECTIONAL DEPARTURES

**RWY 14** (Alt THR 194): Climb **MT 157°** until **3.9 ORG** then direct route up to enroute safety altitude.

**RWY 32** (Alt THR 186): Climb **(1) MT 322°** until **3.9 ORG** then direct route up to enroute safety altitude.

(1) Théorical climb gradient **10.6 %** (2) until 100 ft then 8.75 %.

(2) Determining obstacle : Vegetation of 73 ft at 142 m from DER and at 187m right of runway axis (Minimum climb gradient 8.75 %).

### MARKINGS - LIGHTINGS :

- Day lighting : HI APP line (NATO type, 900 m)RWY 14- BI RWY 32

- Flashing lights and PAPI RWY 14/32. TWY AST. PAPI 14 and 32 out of norm, use prohibited expect ACFT authorized by their command.

**DIRCAM**

**OTHER INFORMATIONS:**

- Presence of BRA and BAR at each end of RWY
- Slippery RWY.

**PARTICULAR INSTRUCTIONS:**

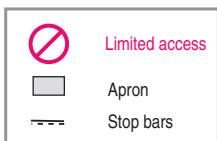
- Descent and climb for non based ACFT are submitted to TWR supervisor permission tel: 811 115 5611 or 04 90 11 56 11.
- When A/D is green and ceiling <1500 ft, low level departure only after instrument procedure final.
- LANDING : PPR mandatory, Number to filed in case 18 FPL : Tel OPO : 811 115 5700 or 04 90 11 57 00.

**REFUELING:**

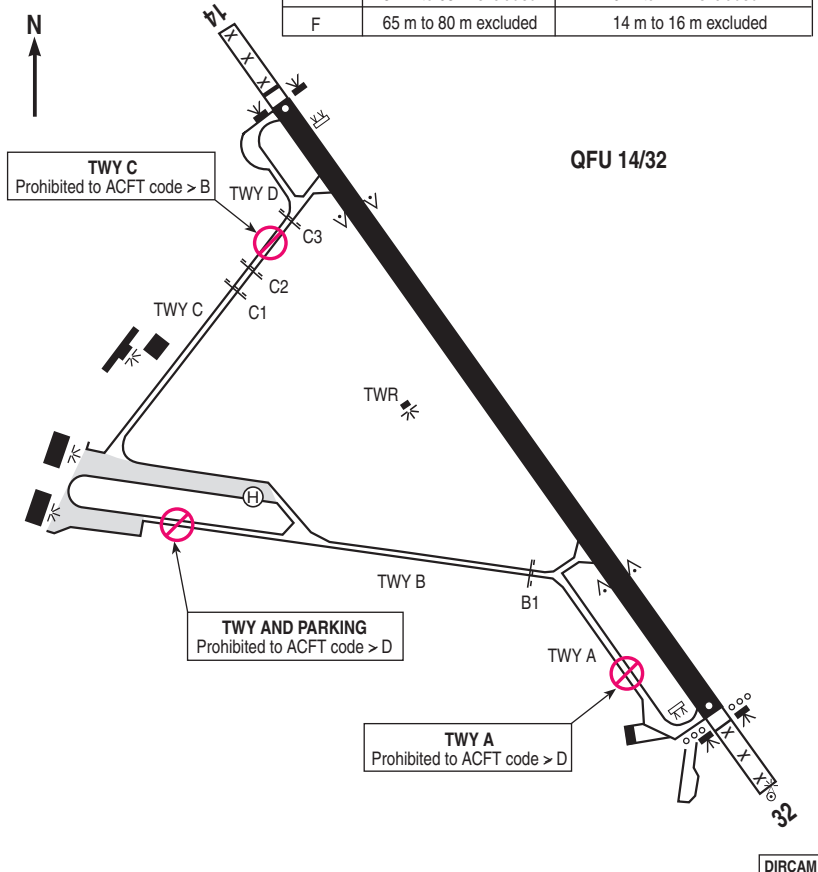
- F34 - Oxygen

**ATS HOR:**

- MON-THU : 0700-1600 - FRI : 0700-1400 - SAT, SUN, HOL : O/R before 1600 the last previous working day  
HN : O/R before 1600 (SUMMER -1 Hr).



Code letter	Wingspan	Overall width of main landing gear. Distance between exterior edge of main landing gear wheels.
A	<15 m	< 4,5 m
B	15 m to 24 m excluded	4,5 m to 6 m excluded
C	24 m to 36 m excluded	6 m to 9 m excluded
D	36 m to 52 m excluded	9 m to 14 m excluded
E	52 m to 65 m excluded	9 m to 14 m excluded
F	65 m to 80 m excluded	14 m to 16 m excluded



# VISUAL ARR & DEP

ALT AD : 197 (7 hPa)

25 FEB 2021

# 02 ORANGE CARITAT LFMO

JET RWY 14 & 32

APP : 118.925 - 299.775 (Recovery) - 248.625 (Climb)

TWR : 128.950 - 388.775

AD FAF non GAT

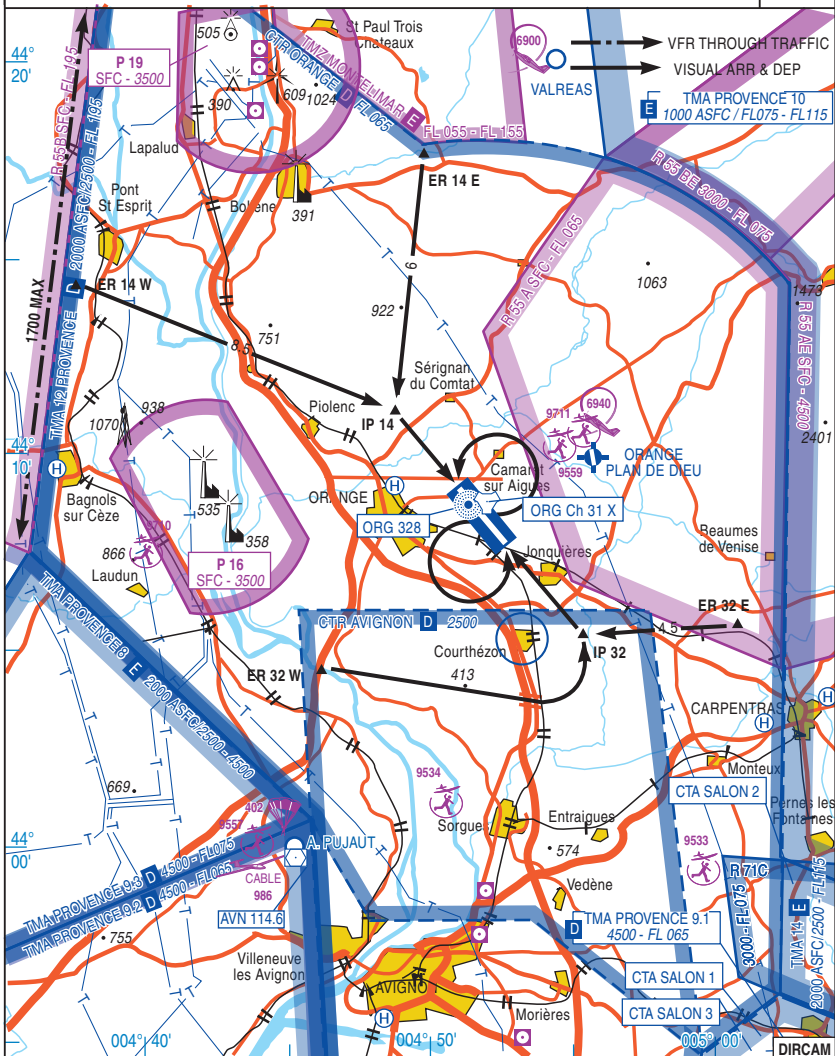
5 Km E from ORANGE

TEL : 04.13.97.03.00

VAR

2°E

(20)



JET RWY 14 & 32

CHG : VAR.

02 ORANGE CARITAT LFMO

**VISUAL ARR & DEP INSTRUCTIONS**

Airspace restriction :

Refer to AIP FRANCE or french defense 1/1.000.000 aeronautical chart instructions.

**ARRIVAL**

Contact APP 3 MIN before entering CTR.

QFU 32 ARRIVAL : avoid flying over COURTHEZON village.

**Radio contact mandatory on following points :****RWY 14** : Entry points

ER 14 E : 348° / 9 NM TACAN ORG.

ER 14 W : 296° / 11,6 NM TACAN ORG.

**RWY 32** : Entry points

ER 32 E : 114° / 7,7 NM TACAN ORG.

ER 32 W : 223° / 6 NM TACAN ORG.

**HEIGHTS AND SPEED**

Fighters : from entry point to IP 350 kt / 2000 ft QFE.

Others : from entry point to IP 1500 ft QFE.

BREAK left :           Fighters 1500 ft QFE.

Others : 1000 ft QFE.

IP 14 : 2,5 NM from threshold, on center line (3,2 NM TACAN).

IP 32 : 3 NM from threshold, on center line (3,7 NM TACAN).

**DEPARTURE****Whatever RWY in use :**

Do not overpass 800 ft QFE till end of RWY.

Shut down after burner as soon as possible.

Maintain 2000 ft QFE minimum till ORANGE CTR limits.

**RWY 14** :

After TKOF in order to avoid overfly JONQUIERES and to limit noise nuisances

Fly heading 158°

West departure : At 3,5 NM TACAN, turn and fly south east round COURTHEZON.East departure : Fly heading 088° turn and fly south round JONQUIERES.

# NATIONAL FRA

ALT AD : 197 (7 hPa)

25 FEB 2021

# 04 ORANGE CARITAT LFMO

HMG

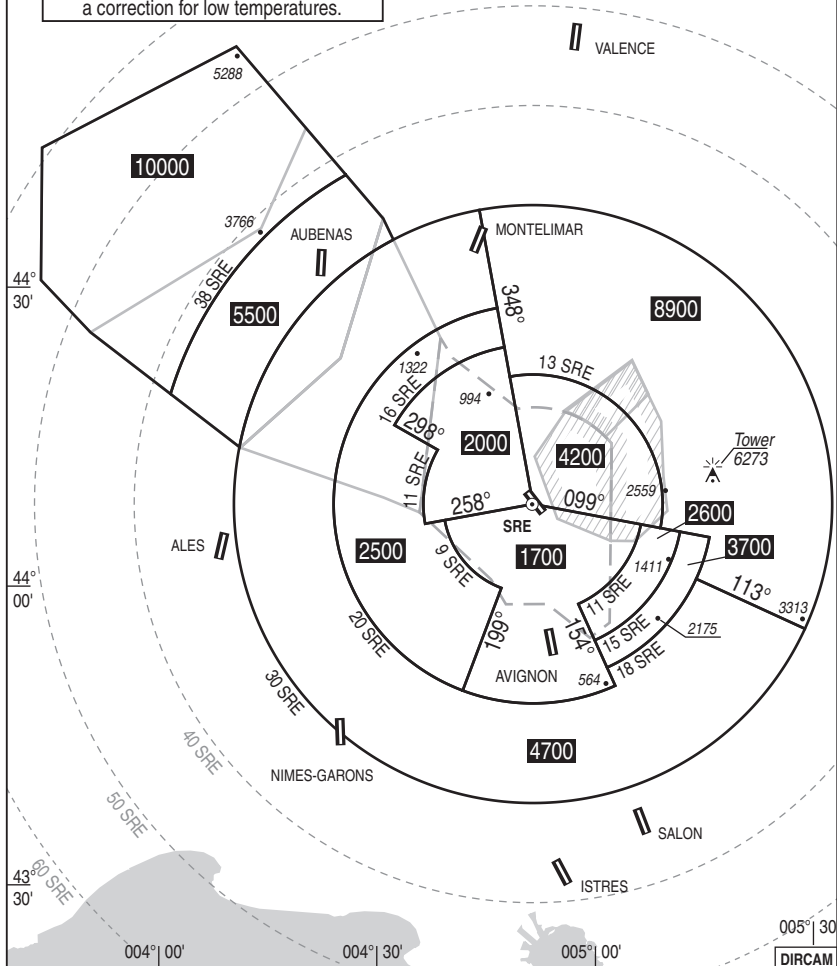
APP : 299.775 (Recovery) - 248.625 (Climb)

TWR : 128.950 - 388.775

VAR  
2°E  
(20)

COMMUNICATION FAILURE : Apply french national regulation.

The published minimum heights integrate a correction for low temperatures.



HMSR

CHG : VAR.

04 ORANGE CARITAT LFMO

DIRCAM

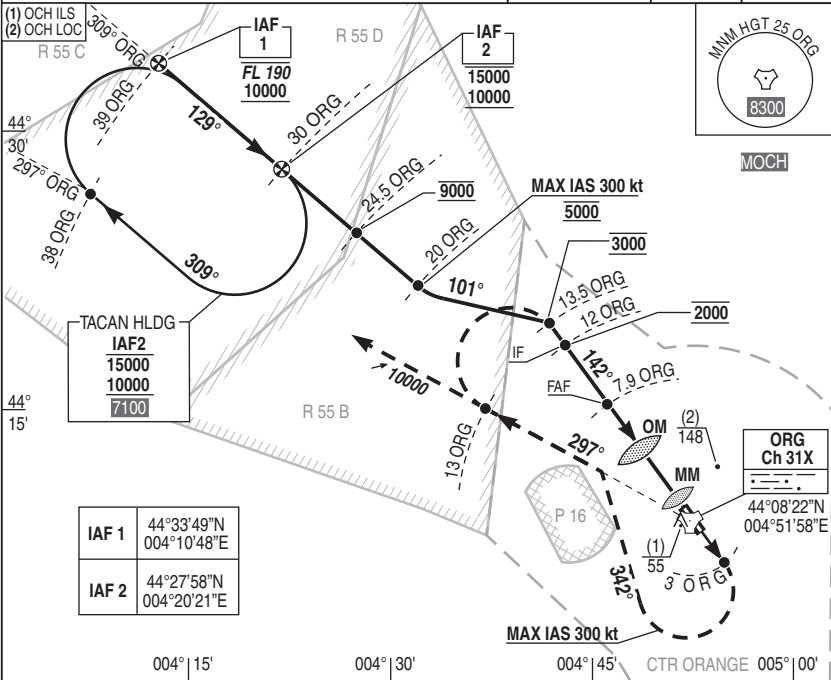
# NATIONAL FRA INSTRUMENT APPROACH

ALT AD : 197 THR : 194

25 FEB 2021

05 ORANGE CARITAT LFMO  
HPMA TACAN / ILS or LOC RWY 14

APP : 299.775 (Recovery) - 248.625 (Climb)	ILS : ORG 109.9	RDH : 57	VAR 2°E (20)
TWR : 128.950 - 388.775			



IAF 1	44°33'49"N 004°10'48"E
IAF 2	44°27'58"N 004°20'21"E

004° 15'

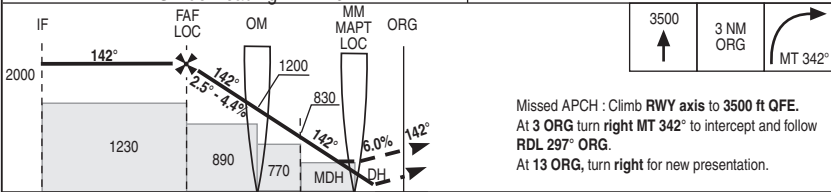
004° 30'

004° 45'

CTR ORANGE 005° 00'

ILS True Heading : 144.16

REF HGT : ALT THR in ft



Missed APCH : Climb RWY axis to 3500 ft QFE.  
At 3 ORG turn right MT 342° to intercept and follow RDL 297° ORG.  
At 13 ORG, turn right for new presentation.

12	7.9	4.9	3.5	1.1					
11.4	7.3	4.3	2.9	0.5					

CAT	ILS (1)			LOC			TACAN	On clearance: Missed APCH : Climb RWY axis to 3500 ft QFE. At 3 ORG turn right MT 342° to intercept and follow RDL 297° ORG. At 13 ORG, continue climb to 10000 ft QFE.						
	DH	RVR	OCH	MDH	RVR	OCH		NM	7	6	5	4	3	2
A B C D/E	250	1000	154	400	1100	394	HPMA	1760	1490	1230	960	690	420	

Remarks : (1) Increased minimums. VSS checked.

DIRCAM

# NATIONAL FRA INSTRUMENT APPROACH

ALT AD : 197 THR : 195

25 FEB 2021

06 ORANGE CARITAT LFMO  
RADAR / ILS RWY14

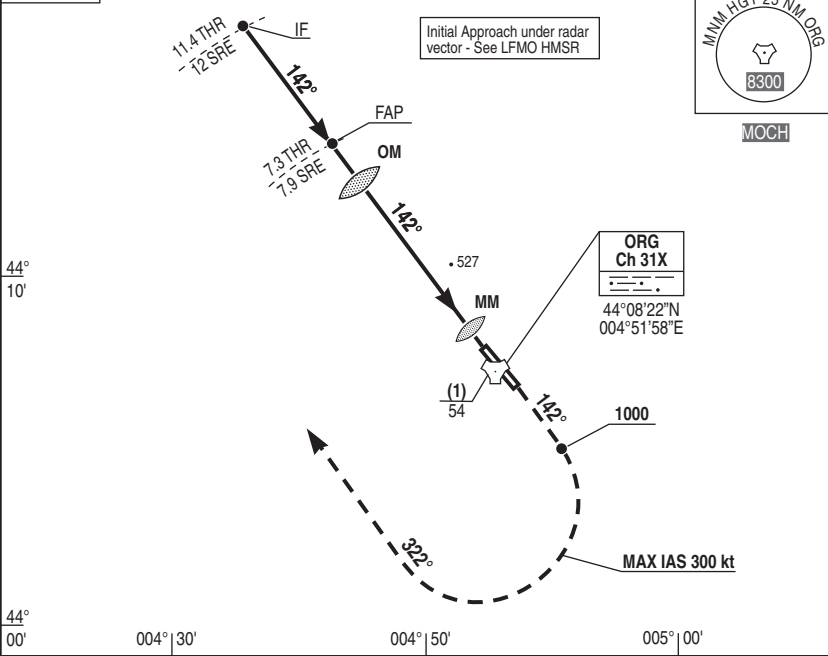
APP : 299.775 (Recovery) - 248.625 (Climb)  
TWR : 128.950 - 388.775

ILS : ORG 109.9  
- - - - -  
- - - - -

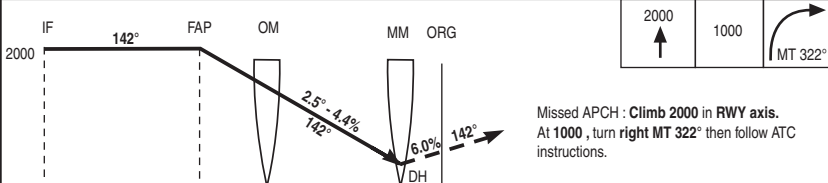
RDH : 57

VAR 2°E (20)

(1) OCH ILS



REF HGT : ALT THR in ft



IF	FAP	OM	MM	ORG
12	7.9	4.9	1.1	
11.4	7.3	4.3	0.5	

CAT	ILS (1)			CIRCLING		
	DH	RVR	OCH	MDH	VIS	OCH
A	250	1000	153	830	1600	822
B					1600	
C					2400	
D/E					3600	

Remarks : (1) Increased minimums. DIRCAM



NATIONAL FRA  
 INSTRUMENT APPROACH  
 ALT AD : 197 THR : 194

25 FEB 2021

07 ORANGE CARITAT LFMO  
 HPMA RADAR / PAR RWY14

APP : 299.775 (Recovery) - 248.625 (Climb)  
 TWR : 128.950 - 388.775

RDH : 58

VAR  
 2°E (20)

(1) OCH PAR

Initial Approach under radar  
 vector - See LFMO HMSR

OAT ONLY



MOCH

44°  
10'

44°  
00'

004° 30'

004° 50'

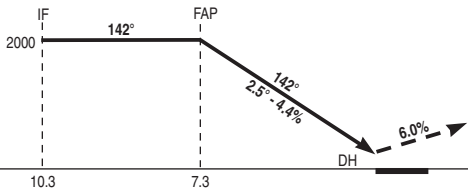
005° 00'

ORG  
 Ch 31X  
 44°08'22"N  
 004°51'58"E

(1)  
82

2000

REF HGT : ALT THR in ft



Missed APCH : Climb RWY axis.  
 At 2000 ft QFE, turn right MT 322° then follow  
 ATC instructions.

→ THR (NM)

CAT	(1)		
	DH	RVR	OCH
A	250	1000	181
B			
C			
D/E			

Remarks : (1) Increased due to operational reason.

DIRCAM

# NATIONAL FRA INSTRUMENT APPROACH

ALT AD : 197 THR : 194

25 FEB 2021

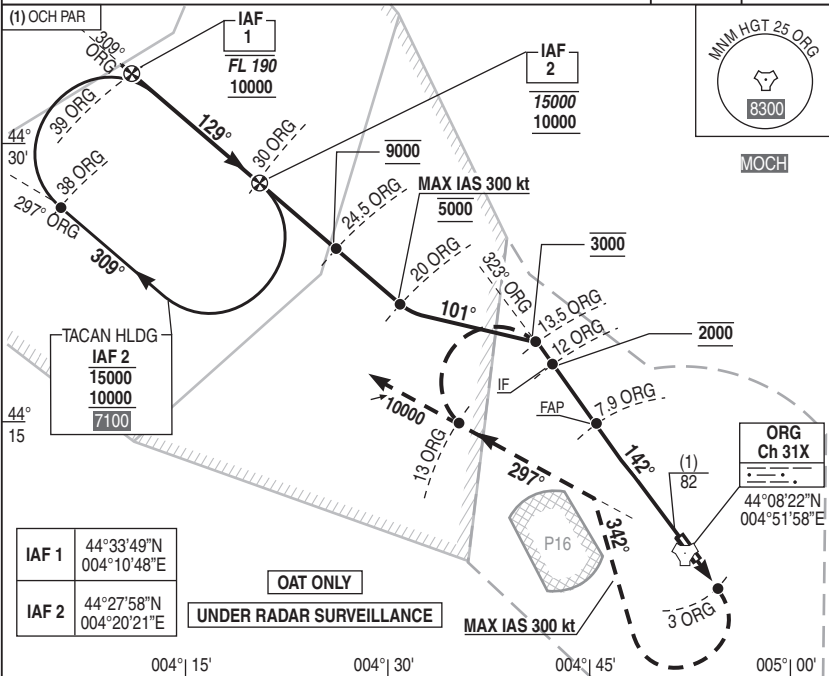
08 ORANGE CARITAT LFMO  
HPMA TACAN / PAR RWY14

APP : 299.775 (Recovery) - 248.625 (Climb)

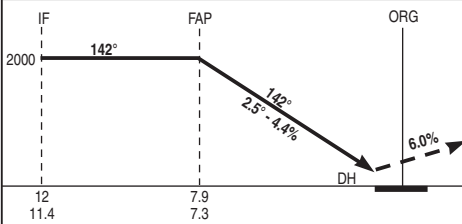
RDH : 58

VAR  
2°E (20)

TWR : 128.950 - 388.775



REF HGT : ALT THR in ft



Missed APCH : Climb RWY axis to 3500 ft QFE.  
At 3 ORG turn right MT 342° to intercept and follow RDL 297° ORG (MT 297°).  
At 13 ORG, turn right for new presentation.

→ TAC (NM)  
→ THR (NM)

CAT	PAR (1)		
	DH	RVR	OCH
A	250	1000	181
B			
C			
D/E			

On clearance:  
Missed APCH : Climb RWY axis to 3500 ft QFE.  
At 3 ORG turn right MT 342° to intercept and follow RDL 297° ORG (MT 298°).  
At 13 ORG, continue climb to 10000 ft QFE.

Remarks : (1) Increased minimums.

DIRCAM

# NATIONAL FRA INSTRUMENT APPROACH

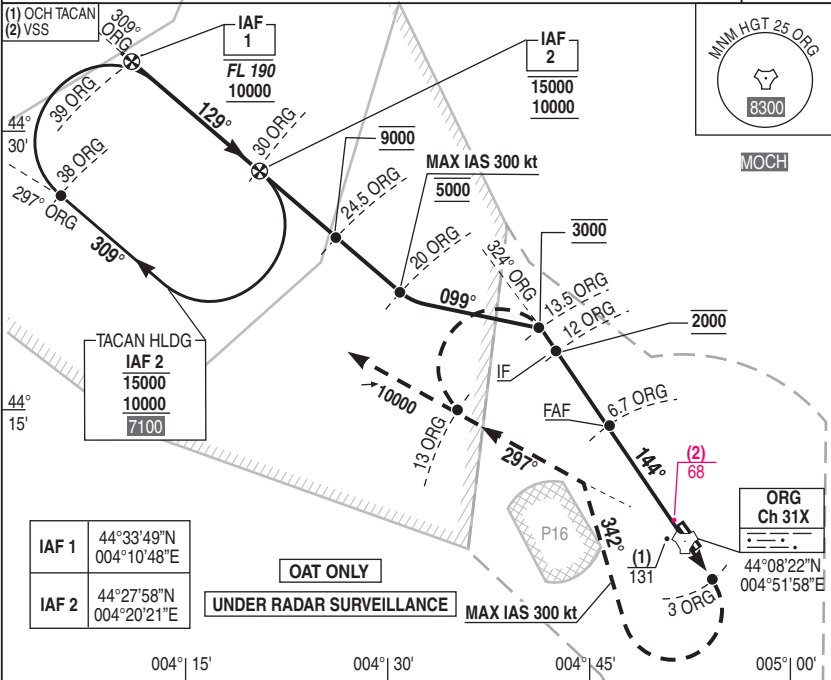
ALT AD : 197 THR : 194

25 FEB 2021

09 ORANGE CARITAT LFMO  
HPMA TACAN / TACAN RWY14

APP : 299.775 (Recovery) - 248.625 (Climb)  
TWR : 128.950 - 388.775

VAR  
2°E (20)

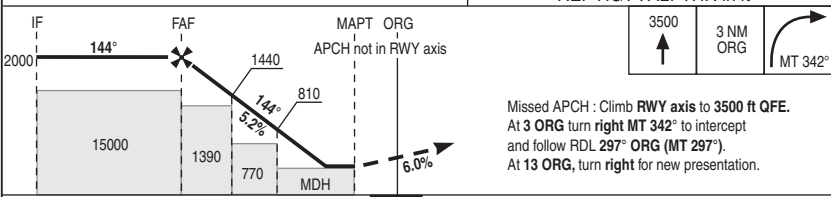


IAF 1	44°33'49"N 004°10'48"E
IAF 2	44°27'58"N 004°20'21"E

OAT ONLY

UNDER RADAR SURVEILLANCE

REF HGT : ALT THR in ft



Missed APCH : Climb RWY axis to 3500 ft QFE.  
 At 3 ORG turn right MT 342° to intercept and follow RDL 297° ORG (MT 297°).  
 At 13 ORG, turn right for new presentation.

12	6.7	5	3	1	
11.4	6.1	4.4	2.4	0.4	

→ TAC (NM)  
→ THR (NM)

CAT	TACAN			TACAN					
	MDH	RVR	OCH	NM	6	5	4	3	2
A	380	1000	377	HGT	1750	1440	1120	810	490
B									
C									
D/E									

On clearance:  
 Missed APCH : Climb RWY axis to 3500 ft QFE.  
 At 3 ORG turn right MT 342° to intercept and follow RDL 297° ORG (MT 297°).  
 At 13 ORG, continue climb to 10000 ft QFE.

Remarks : (2) VSS crossed. DIRCAM

NATIONAL FRA  
INSTRUMENT APPROACH

ALT AD : 197 THR : 186

25 FEB 2021

10 ORANGE CARITAT LFMO  
HPMA RADAR / PAR RWY32

APP : 299.775 (Recovery) - 248.625 (Climb)

RDH : 50

VAR  
2°E (20)

TWR : 128.950 - 388.775

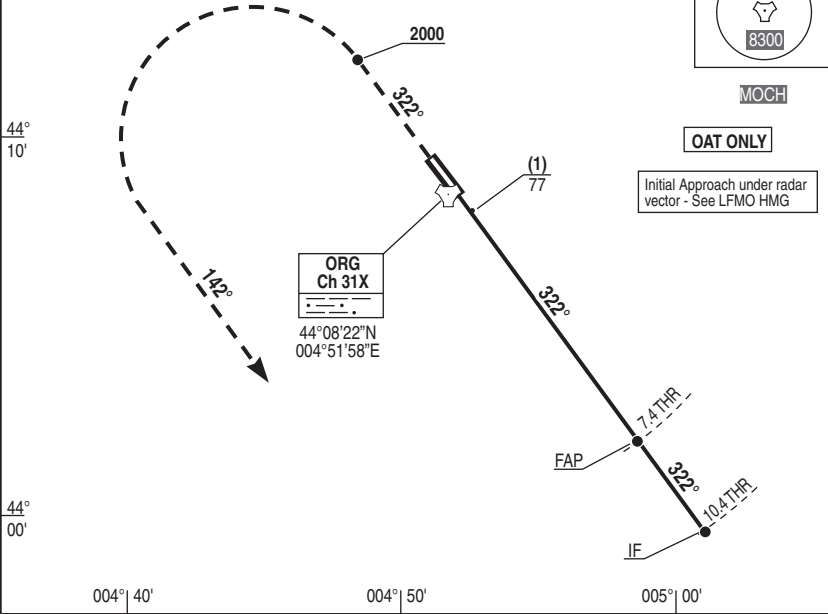
(1) OCH PAR



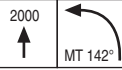
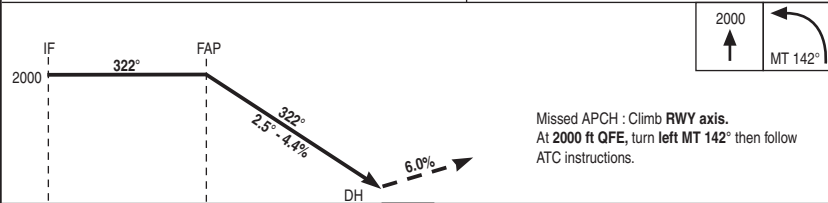
MOCH

OAT ONLY

Initial Approach under radar  
vector - See LFMO HMG



REF HGT : ALT THR in ft



Missed APCH : Climb RWY axis.  
At 2000 ft QFE, turn left MT 142° then follow  
ATC instructions.

10.4 7.4 → THR (NM)

CAT	(1)		
	DH	RVR	OCH
A	250	1300	171
B			
C			
D/E			

Remarks : (1) Increased minimum.

DIRCAM

HPMA RADAR / PAR RWY32

CHG : VAR.

10 ORANGE CARITAT LFMO

# NATIONAL FRA INSTRUMENT APPROACH

ALT AD : 197 THR : 186

25 FEB 2021

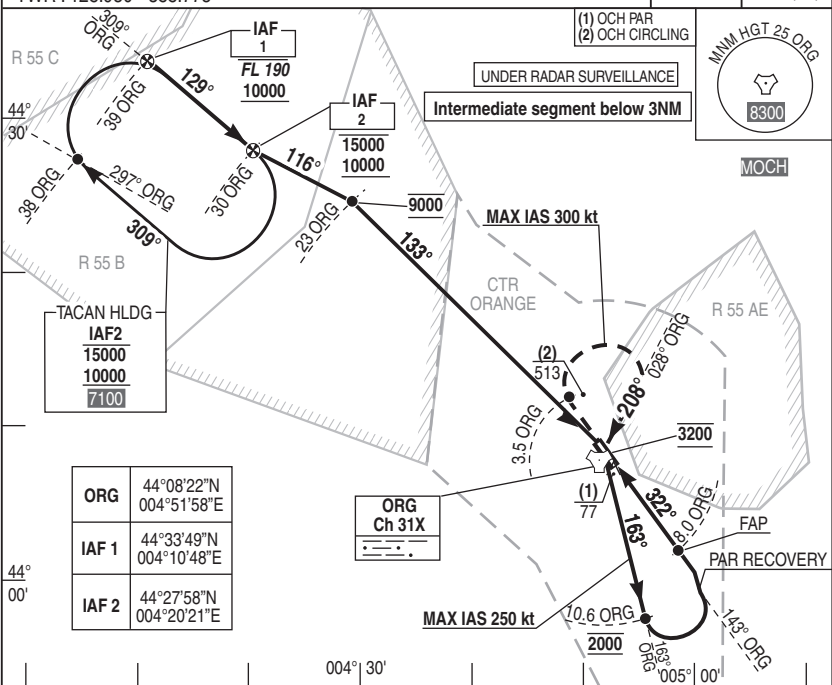
11 ORANGE CARITAT LFMO  
HPMA TACAN / PAR RWY32

APP : 299.775 (Recovery) - 248.625 (Climb)

TWR : 128.950 - 388.775

RDH : 50

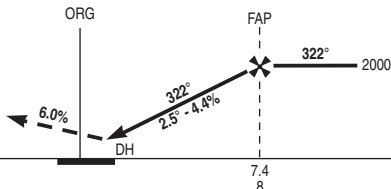
VAR  
2°E (20)



REF HGT : ALT THR in ft



Missed APCH : Climb straight ahead to 2000 QFE.  
At 3.5 ORG, turn right to intercept RDL 028° ORG  
for a new presentation.



THR (NM) ←  
TAC ORG (NM) ←

CAT	PAR (1)			CIRCLING		
	DH	RVR	OCH	MDH	VIS	OCH
A	250	1300	171	810	1600	808
B					1600	
C					2400	
D/E					3600	

Remarks : (1) Increased minima.

DIRCAM

NATIONAL FRA  
 INSTRUMENT APPROACH  
 ALT AD : 197 THR : 186

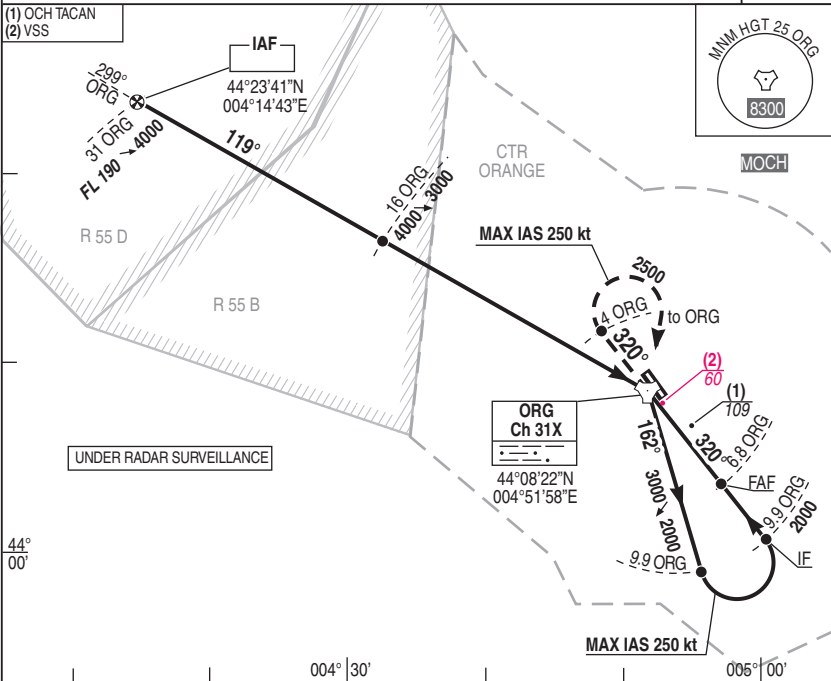
25 FEB 2021

12 ORANGE CARITAT LFMO  
 HPMa TACAN / TACAN RWY32

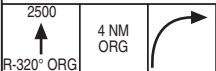
APP : 299.775 (Recovery) - 248.625 (Climb)  
 TWR : 128.950 - 388.775

VAR  
 2°E (20)

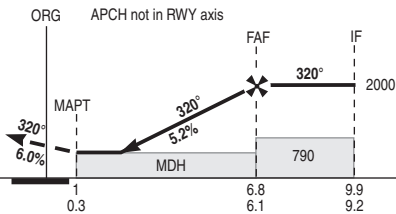
(1) OCH TACAN  
 (2) VSS



REF HGT : ALT THR in ft



Missed APCH:  
 Climb RDL 320° ORG to 2500 ft QFE  
 At 4 ORG turn right to ORG.



TAC ← (NM)  
 THR ← (NM)

CAT	TACAN		
	MDH	RVR	OCH
A	360	1500	356
B		1500	
C		1600	
D		1600	

TACAN	6	5	4	3	2
NM	6	5	4	3	2
HGT	1730	1410	1100	780	470

Remarks : (2) VSS crossed.

DIRCAM

NATIONAL FRA  
 INSTRUMENT APPROACH  
 ALT AD : 197 THR : 194

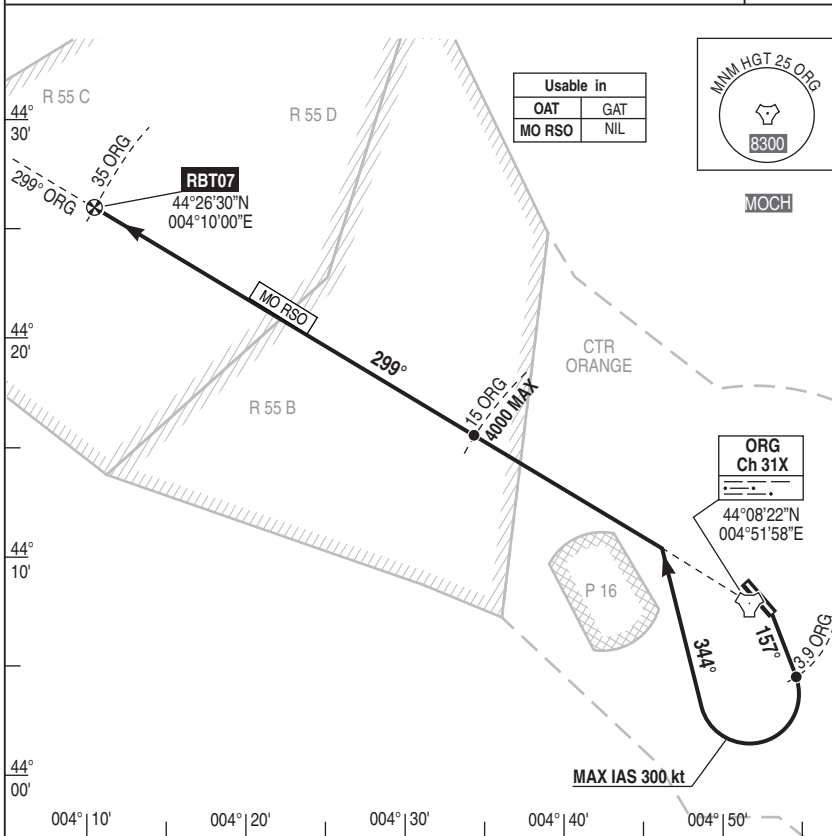
SID 01 ORANGE CARITAT LFMO  
 DEPARTURE RWY14

25 FEB 2021

APP : 299.775 (Recovery) - 248.625 (Climb)

VAR  
 2°E (20)

TWR : 128.950 - 388.775



DEPARTURE MO RSO RWY14 : Climb MT 157° up to 4000 MAX. At 3.9 ORG turn RIGHT MT 344° to intercept and follow RDL 299° ORG (MT 299°) to RBT07.

At 15 ORG, climb up to cleared level.

Radio failure : squawk 7600 and apply french national regulation.

DIRCAM

DEPARTURE RWY14

CHG : VAR.

SID 01 ORANGE CARITAT LFMO

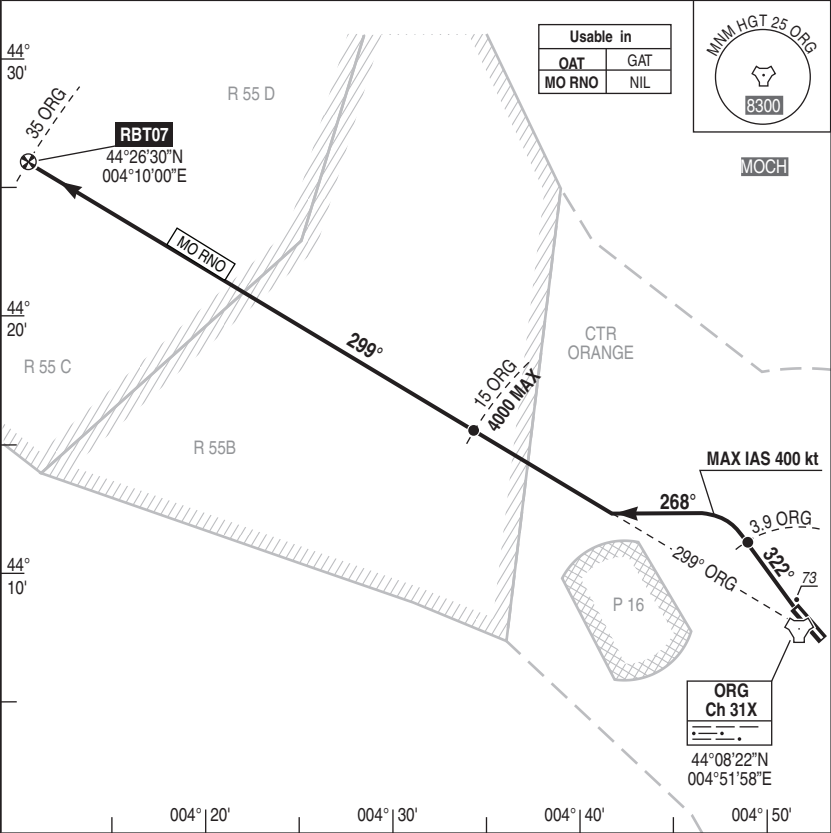
NATIONAL FRA  
 INSTRUMENT APPROACH  
 ALT AD : 197 THR : 186

25 FEB 2021

SID 02 ORANGE CARITAT LFMO  
 DEPARTURE RWY32

APP : 299.775 (Recovery) - 248.625 (Climb)  
 TWR : 128.950 - 388.775

VAR  
 2°E (20)



DEPARTURE MO RNO RWY 32 : Climb (1) straight ahead MT 322° up to 4000 MAX. At 3.9 ORG turn LEFT MT 268° to intercept and follow RDL 299° ORG (MT 299°) to RBT07. At 15 ORG, climb up to cleared level.

(1) Théorical climb gradient 10.6 % (2) until 100 ft then 8.75 %.

(2) Determining obstacle : Vegetation of 73 ft at 142 m from DER and at 187 m right of runway axis.

Radio failure : squawk 7600 and apply french national regulation.

DIRCAM