

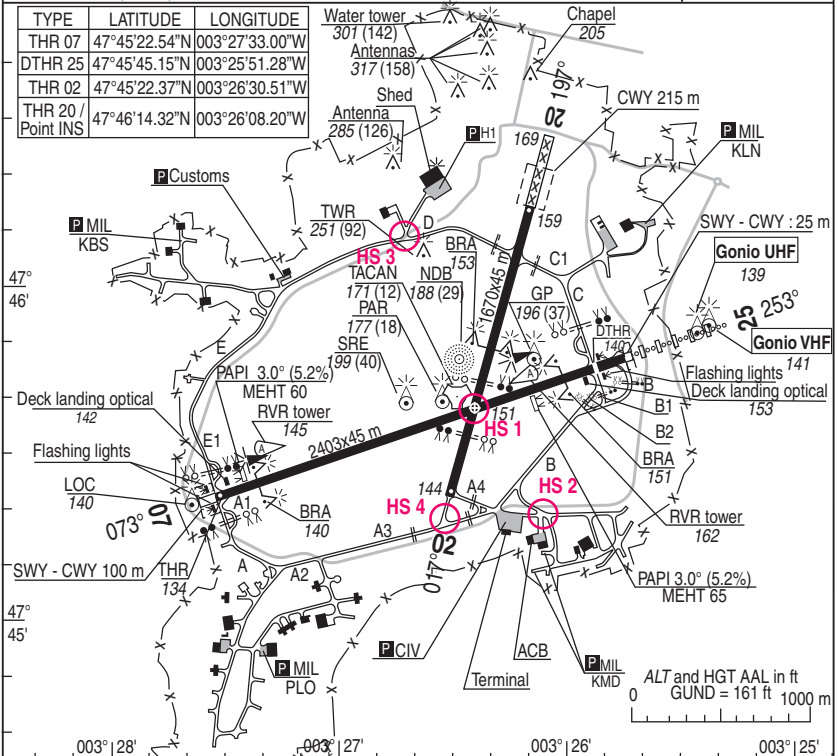
NATIONAL FRA AERODROME CHART

07 SEP 2023

01 LORIENT LANN BIHOUE LFRH

ALT AD : 159 (6 hPa)

VAR : 1°W (20)



RWY	LIGHTING		DECLARED DISTANCES				Surface	Strength	MINIMUMS TKOF (RVR in m)*			
	APPROACH	RWY	TORA	TODA	ASDA	LDA			CAT A	CAT B	CAT C	CAT D
07	NIL	LIH / LIL	2403	2428	2428	2403	Paved	400	400	400	400	
25	LIH 900m	LIH / LIL	2403	2503	2503	2230	59 R/B/W/T	400	400	400	400	
02	NIL	LIL	1670	1885	1670	1670	Paved	400	400	400	400	
20	NIL	LIL	1670	1670	1670	1670	17 R/C/W/T	400	400	400	400	

MARKINGS - LIGHTINGS

- Day : lighting: HI/BI line APP RWY25 - HI RWY07/25 - BI RWY02/20 - Flashing lights RWY07 AST.
- PAPI (3°) RWY07/25 370 m from THR.
- A - A1 - A2 - A3 - B - B1 - B2 centre line lighting marking and lateral back reflecting.
- C - C1 - D - E - E1 edge lighting marking only.

* OPERATIONAL MISSION

	ABC	D
07	250	300
25	250	300

DIRCAM

DV (Flight Director) : 02 97 12 90 25 - 862 772 90 25

OTHER INFORMATIONS

- BRA 07/25 & 02/20.
- Presence of "NO ENTRY" panels for vehicule on TWY.
- Textile brakes, height 9cm, 114m from THR 07 and 8m before DTHR 25.
- Deck landing opticals, 27.5m from left side of RWY in use (height : 10ft ASFC).

REFUELING

- F34 - Gas oxygen (LOX on request - PN 72H).

ATS HOR

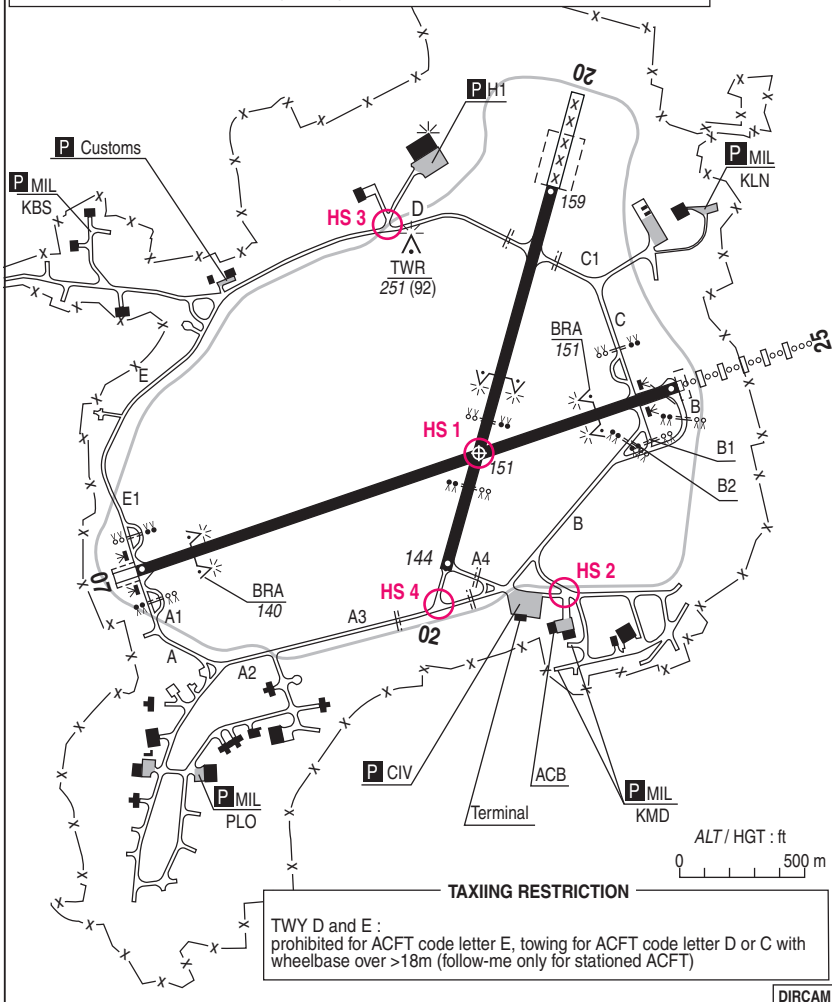
- Mon/Fri (outside HOL) : 0700/1600 on PPR (SUMMER -1H). Possible extension.
- ATIS : 129.125

DIRCAM

CAUTION

○ HS : Hot spot

- HS 1 : At RWY crossroads, maintaining holding points is mandatory.
- HS 2 : At the CIV ACB and MIL PRKG exit, road signs for vehicles only.
- HS 3 : Intersection between TWY and ring road. Be careful and request red crossroads traffic lights to stop any vehicles.
- HS 4 : To cross THR 02, maintaining holding points is mandatory.



TAXIING RESTRICTION

TWY D and E :
prohibited for ACFT code letter E, towing for ACFT code letter D or C with
wheelbase over >18m (follow-me only for stationed ACFT)

VISUAL ARR & DEP

ALT AD : 159 (6 hPa)

20 APR 2023

02 LORIENT LANN BIHOUE LFRH

JET RWY02 & 07 & 20 & 25

APP : 123.000 - 231.875 - 362.300

TWR : 122.700 - 281.550

GND : 119.700 - 387.600

ATIS : 129.125

AD FNF restricted use

5 Km WNW from LORIENT

TEL : 02.97.12.90.25

VAR

1°W

(20)



JET RWY02 & 07 & 20 & 22

CHG : R 1 F

02 LORIENT LANN BIHOUE LFRH

VISUAL ARR and DEP INSTRUCTIONS**ARRIVAL AND PATTERN CIRCUIT :**

Radio contact mandatory with LORIENT APP, 3 MIN before JET entry points (EP). Fly direct on (IP) on APP clearance.

Fly at 2000 ft QFE (2200 ft QNH) on following « EP » :

Ceiling < 2000 ft QFE : Fly « EP » at 1500 ft QFE on APP clearance.

Fly to « IP » of RWY in use at 2000 ft QFE - VI MAX : 300 kt

Landmarks	RDL/Distance « LOR » Ch 105X	Location
EP - W	296° / 08 NM LOR	MOELAN SUR MER
EP - N	026° / 10 NM LOR	PLOUAY
EP - E	116° / 12 NM LOR	ETEL
EP - S	196° / 07 NM LOR	PEN MEN
IP - 02	197° / 04 NM LOR	3,7 NM THR 02
IP - 07	253° / 04 NM LOR	3,2 NM THR 07
IP - 20	017° / 04 NM LOR	3,4 NM THR 20
IP - 25	073° / 04 NM LOR	3,6 NM THR 25

Descent to 1500 ft QFE, before IP on APP clearance.

Any presentation against QFU in use for RWY 07/25 are to be fly north of AD, and must not interfere with low level holding procedures, height must be coordinated with APP.

FLY RESTRICTIONS :

Flying over LORIENT is forbidden below 5000 ft QNH. Presence of M 46 area and buildings with special markings.

Do not overfly poultry farming located 106° LOR, dead end of CTR, close to a pool, (47°42'51"N – 003°10'24"W)

R13 (SFC-UNL) and R14 (SFC-3000 ft AMSL) located South-East of AD : Pass round is mandatory when active.

Hand over with LORIENT TWR on APP instructions.

For all presentations: call back TWR over « IP ».

Break presentation: 1500 ft QFE. Speed 300 kts. Left hand break.

DEPARTURE**NOISE ABATEMENT:****Controlled OAT:**

QFU 25 : After TKOF, Maintain RWY heading, maximum rate of climb, crossing 5000 ft, resume own navigation.

QFU 07 : After TKOF, turn left heading 068°, maximum rate of climb, crossing 5000 ft, resume own navigation.

VICTOR OAT :

QFU 25 : After TKOF, maintain RWY heading till coast line then own navigation.

East departure, fly south of LORIENT.

North departure, fly north of GUIDEL then north PONT-SCORFF.

QFU 07 : After TKOF, fly heading 067°, Do not turn before 5,5 NM.

South departure, turn RIGHT avoiding flying over LORIENT if R13 not active.

West and south departure, after left turn, transit north PONT-SCORFF then north GUIDEL then own navigation.

In 15 NM radius AD vicinity: MNM height 1000ft / ASFC, speed limit 300 kt, avoid flying over built-up areas.

NATIONAL FRA INSTRUMENT APPROACH

ALT AD : 159 THR : 134

05 LORIENT LANN BIHOUE LFRH
RADAR PAR RWY07

30 NOV 2023

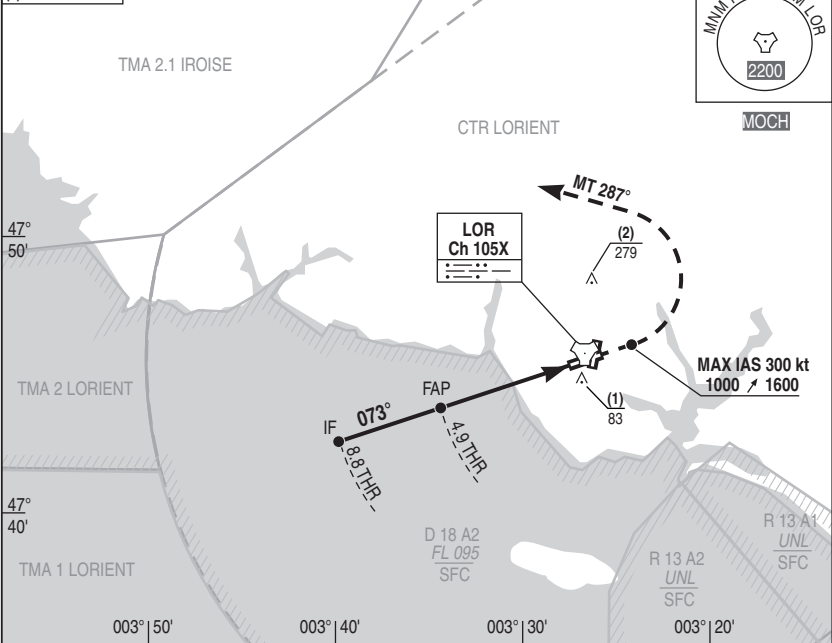
APP : 118.175 123.000 231.875 362.300
TWR : 122.700 281.550

ATIS : 129.125

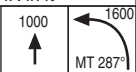
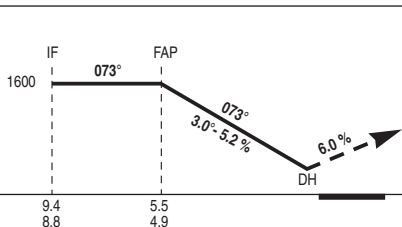
RDH : 49

VAR
1°W (20)

- (1) OCH PAR
- (2) OCH CIRCLING



REF HGT : ALT THR in ft



Missed APCH : Climb to 1600 ft, continue present heading. At 1000 ft, turn left MT 287° and follow ATC instructions.
MAX IAS 300 kt.

→ SRE (NM)
→ THR (NM)

CAT	PAR			CIRCLING	
	DH	RVR	OCH	MDH	VIS
A	200	1200	182	580	1600
B				580	1600
C				630	2400
D				730	3600

Remarks :

DIRCAM

NATIONAL FRA
INSTRUMENT APPROACH
ALT AD : 159 THR : 134

06 LORIENT LANN BIHOUE LFRH
TACAN RWY07

30 NOV 2023

APP : 123.000 231.875
TWR : 122.700 281.550

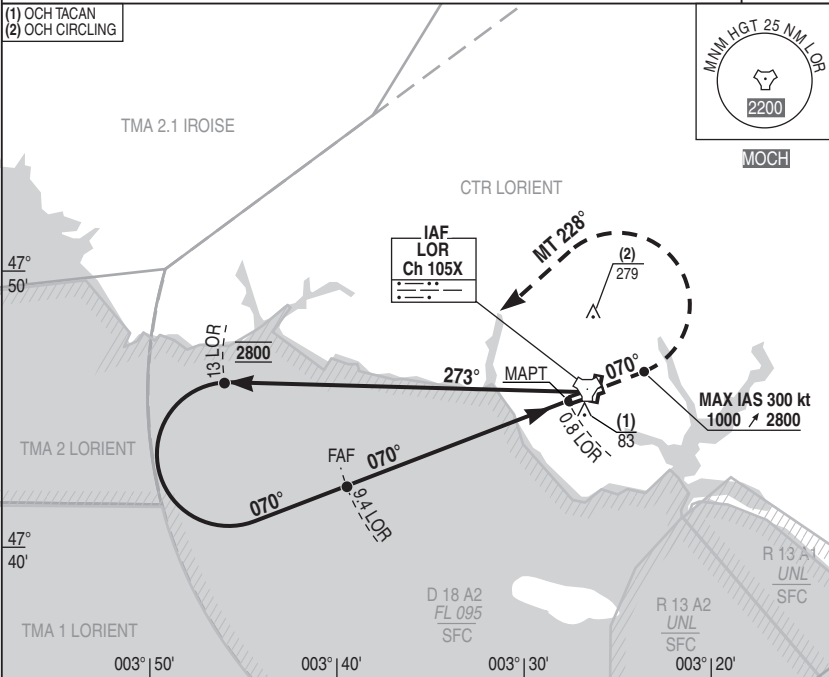
ATIS : 129.125

VAR
1°W (20)

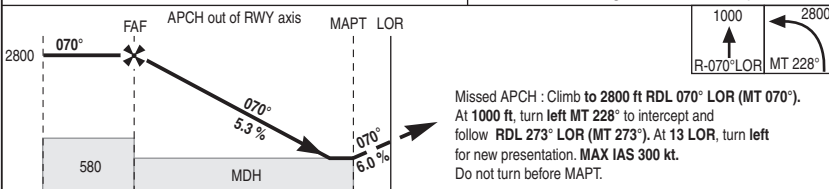
- (1) OCH TACAN
- (2) OCH CIRCLING



MOCH



REF HGT : ALT THR in ft



13	9.4	0.8	
12.2	8.6	0	

CAT	TACAN			CIRCLING		DIST LOR NM 9 8 7 6 5 4 3 2 HGT 2670 2350 2030 1710 1390 1080 760 440
	MDH	RVR	OCH	MDH	VIS	
A				580	1600	
B	330	1500	329	580	1600	
C				630	2400	
D				730	3600	

Remarks : DIRCAM

NATIONAL FRA
INSTRUMENT APPROACH
ALT AD : 159 THR : 134

07 LORIENT LANN BIHOUE LFRH
INS GNSS RWY07

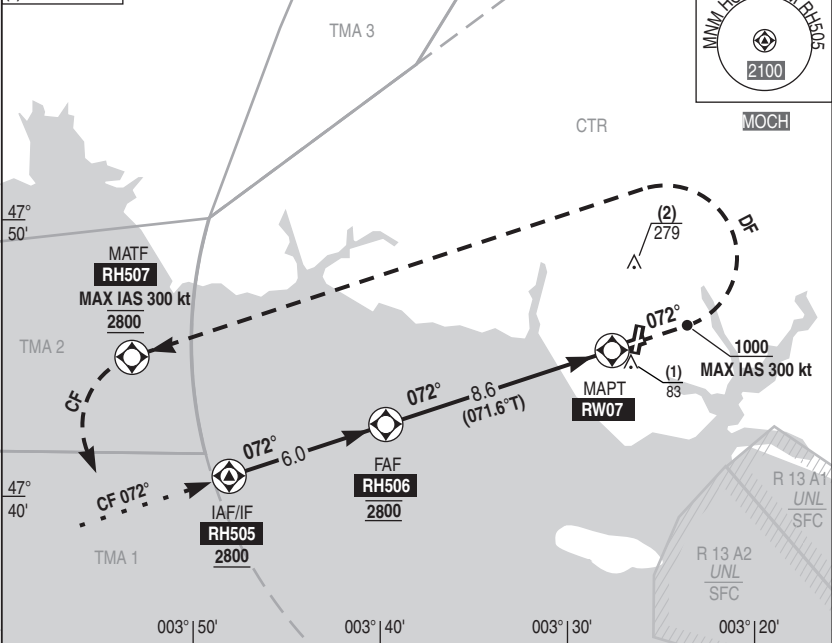
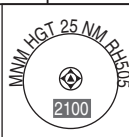
30 NOV 2023

APP : 123.000 231.875
TWR : 122.700 281.550

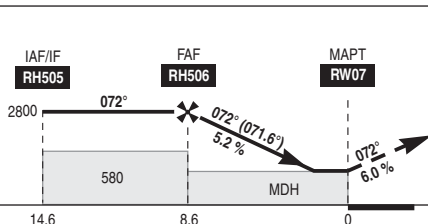
ATIS : 129.125

VAR
1°W (20)

- (1) OCH INS GNSS
- (2) OCH CIRCLING



REF HGT : ALT THR in ft



Missed APCH : Climb to 2800 MT 072°.
At 1000 ft, turn left direct to RH507.
Then turn left to intercept and follow CF 072° to RH505.
MAX IAS 300 kt.
Do not turn before MAPT.

CAT	INS GNSS			CIRCLING		DIST RW07	NM	8	7	6	5	4	3	2	1	
	MDH	RVR	OCH	MDH	VIS											
A	350	1500	329	580	1600	HGT	2600	2280	1960	1650	1330	1010	690	370		
B		1500		580	1600											
C		1600		630	2400											
D		1600		730	3600											

Remarks :

DIRCAM

TABLE FOR DATA INDICATOR			LFRH INS GNSS RWY07 - MAG VAR 0,7°W (20)								
N° SEQ	CODING	IDENT	COORDINATES		TYPE	DIST (NM)	MAG TRACK (TRUE TRACK) (°)	TURN	MIN HGT or LEVEL (FT)	MAX HGT or LEVEL (FT)	MAX IAS (KT)
10	IF	RH505	47°40'45.7»N	003°48'07.5»W	FO		072 (071.5)		2800		
20	TF	RH506	47°42'39.6»N	003°39'42.0»W	FO	6.0	072 (071.5)		2800	2800	
30	TF	RW07	47°45'22.54»N	003°27'33.00»W	FO	8.6	072 (071.6)				
40	CH						072 (071.7)		1000	1000	300
50	DF	RH507	47°45'03.4»N	003°53'21.9»W	FO			L	2800	2800	300
60	CF	RH505	47°40'45.7»N	003°48'07.5»W	FO		072 (071.5)	L	2800	2800	300

LEGEND : TF : Track to a Fix **DF** : Direct to a Fix **CF** : Course to a Fix **CH** : Course to a height **FO** : Course to a height **FO** : Fly Over **FB** : Fly By

NATIONAL FRA

INSTRUMENT APPROACH

ALT AD : 159 DTHR : 140

09 LORIENT LANN BIHOUE LFRH

TACAN ILS or LOC RWY25

30 NOV 2023

APP : 123.000 231.875
TWR : 122.700 281.550

ATIS : 129.125

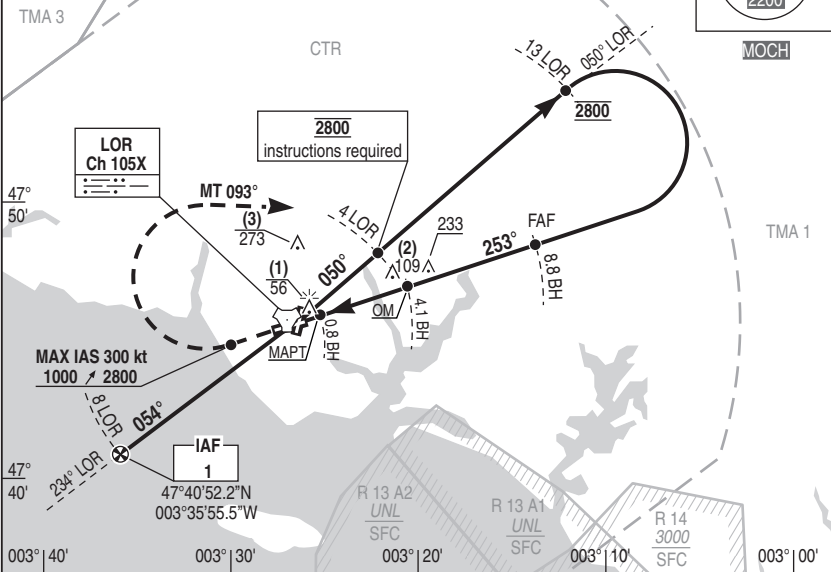
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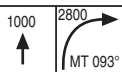
RDH : 57

VAR 1°W (20)

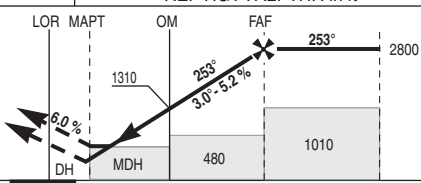
- (1) OCH ILS
- (2) OCH LOC
- (3) OCH CIRCLING



REF HGT : ALT THR in ft



Missed APCH : Climb to 2800 ft, continue present heading.
At 1000 ft, turn right MT 093° to intercept and follow RDL 050° LOR (MT 050°).
At 13 LOR, turn right for new presentation.
Do not turn before MAPT. MAX IAS 300 kt.



DTHR ← (NM)
DME BH ← (NM)
LOR ← (NM)

LOR	MAPT	OM	FAF	
0.6	3.9	8.6	12.6	
0.8	4.1	8.8	12.7	13.0

CAT	ILS			LOC			CIRCLING		DIST DME BH NM	2	3	4	5	6	7	8
	DH	RVR	OCH	MDH	RVR	OCH	MDH	VIS								
A	200	550	155	360	900	355	570	1600	640	960	1280	1600	1920	2230	2550	
B							570	1600								
C							620	2400								
D							720	3600								

Remarks :

DIRCAM

TACAN ILS or LOC RWY25

CHG : Revision, obstacle file.

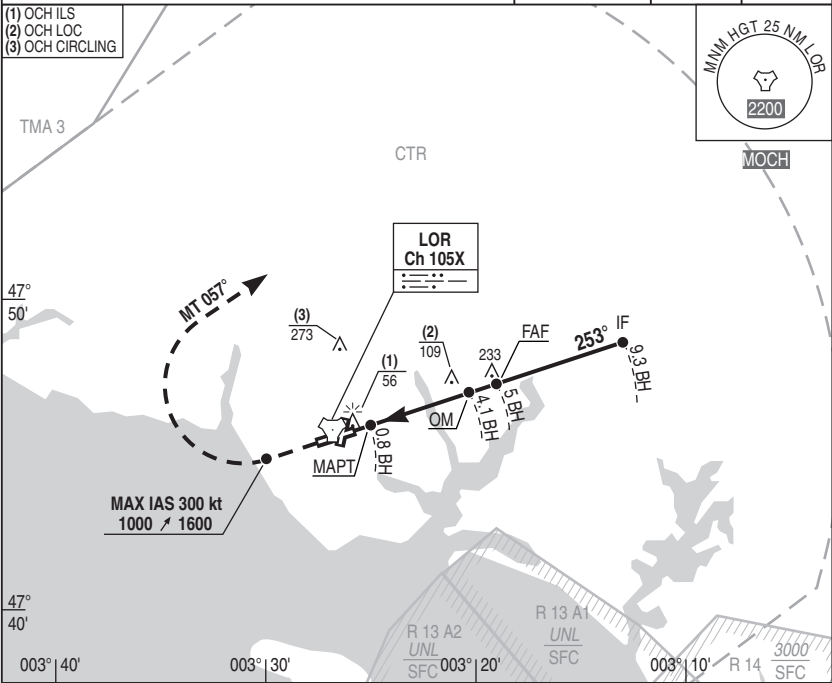
09 LORIENT LANN BIHOUE LFRH

NATIONAL FRA
INSTRUMENT APPROACH
ALT AD : 159 DTHR : 140

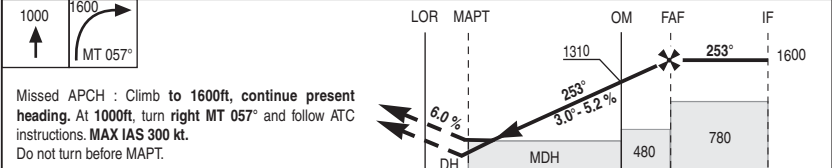
10 LORIENT LANN BIHOUE LFRH
RADAR ILS or LOC RWY25

30 NOV 2023

APP : 123.000 231.875 TWR : 122.700 281.550	ATIS : 129.125	ILS : BH 108.15	RDH : 57	VAR 1°W (20)
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REF HGTT : ALT THR in ft



DTHR ← (NM)	← 0.6	← 3.9	← 4.8	← 9.1
DME BH ← (NM)	← 0.8	← 4.1	← 5	← 9.3
SRE ← (NM)				← 9.7

CAT	ILS			LOC			CIRCLING		DIST DME BH
	DH	RVR	OCH	MDH	RVR	OCH	MDH	VIS	
A							570	1600	NM 2 3 4 HGT 640 960 1280
B							570	1600	
C	200	550	155	360	900	355	620	2400	
D							720	3600	

Remarks :

RADAR ILS or LOC RWY 25 CHG : Revision, obstacle file. 10 LORIENT LANN BIHOUE LFRH

NATIONAL FRA

INSTRUMENT APPROACH

ALT AD : 159 DTHR : 140

11 LORIENT LANN BIHOUE LFRH
RADAR PAR RWY25

30 NOV 2023

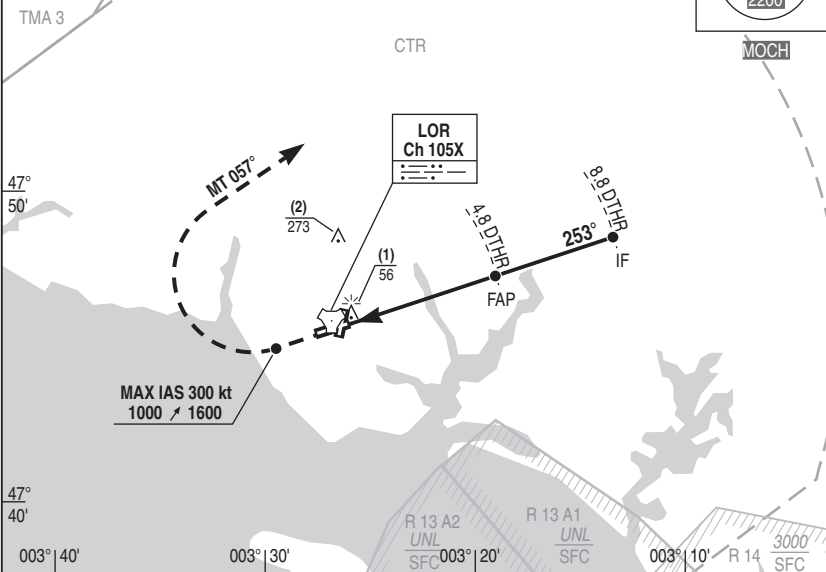
APP : 118.175 123.000 231.875 362.300
TWR : 122.700 281.550

ATIS : 129.125

RDH : 57

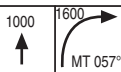
VAR
1°W (20)

(1) OCH PAR
(2) OCH CIRCLING

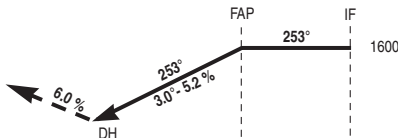


MAX IAS 300 kt
1000 ↗ 1600

REF HGT : ALT THR in ft



Missed APCH : Climb to 1600 ft, continue present heading.
At 1000 ft, turn right MT 057° and follow ATC instructions.
MAX IAS 300 kt.



SRE ← (NM)
DTHR ← (NM)

FAP 5.4 9.4
DTHR 4.8 8.8

CAT	PAR			CIRCLING	
	DH	RVR	OCH	MDH	VIS
A	200	550	155	570	1600
B				570	1600
C				620	2400
D				720	3600

Remarks :

DIRCAM

NATIONAL FRA
 INSTRUMENT APPROACH
 ALT AD : 159 DTHR : 140

12 LORIENT LANN BIHOUE LFRH
 INS GNSS RWY25

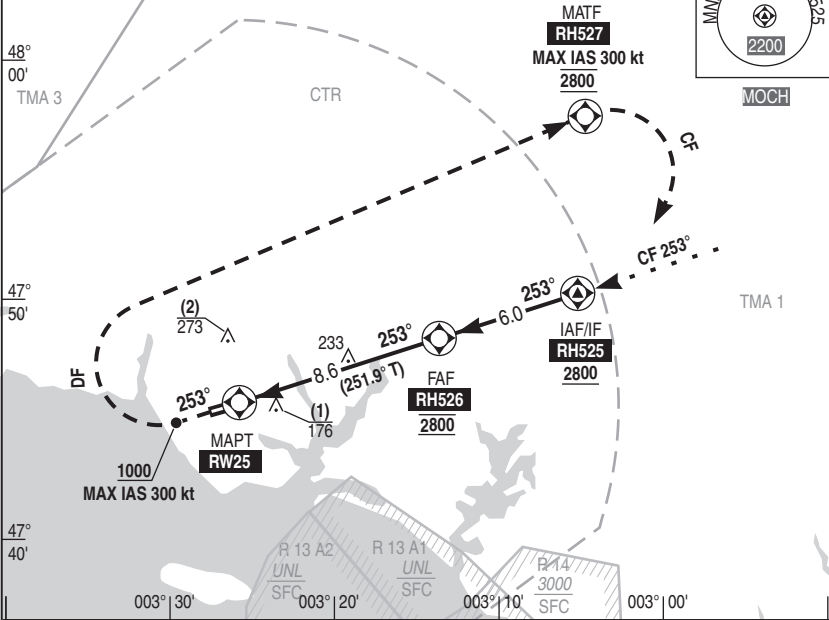
30 NOV 2023

APP : 123.00 231.875
 TWR : 122.700 281.550

ATIS : 129.125

VAR
 1°W (20)

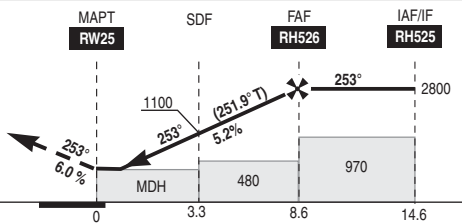
- (1) OCH INS GNSS
- (2) OCH CIRCLING



REF HGT : ALT THR in ft



Missed APCH : Climb to 2800 MT 253°.
 At 1000 ft, turn right direct to RH527.
 Then turn right to intercept and follow CF 253° to RH525.
 MAX IAS 300 kt.
 Do not turn before MAPT.



DTHR ← (NM)

CAT	INS GNSS			CIRCLING	
	MDH	RVR	OCH	MDH	VIS
A				570	1600
B	400	1100	393	570	1600
C				620	2400
D				720	3600

DIST RW25								
NM	2	3	4	5	6	7	8	
HGT	690	1000	1320	1640	1960	2280	2600	

Remarks :

DIRCAM

INS GNSS RWY25

CHG : Revision, obstacle file.

12 LORIENT LANN BIHOUE LFRH

13 LORIENT LANN-BIHOUE LFRH

DATA INS GNSS RWY25

30 NOV 2023

TABLE FOR DATA INDICATOR			LFRH INS GNSS RWY25 - MAG VAR 0,7°W (20)								
N° SEQ	CODING	IDENT	COORDINATES		TYPE	DIST (NM)	MAG TRACK (TRUE TRACK) (°)	TURN	MIN HGT or LEVEL (FT)	MAX HGT or LEVEL (FT)	MAX IAS (KT)
10	IF	RH525	47°50'18.0»N	003°05'13.0»W	FO		253 (252.0)		2800		
20	TF	RH526	47°48'26.6»N	003°13'41.0»W	FO	6.0	253 (252.0)		2800	2800	
30	TF	RW25	47°45'45.15»N	003°25'51.28»W	FO	8.6	253 (251.9)				
40	CH						253 (251.8)		1000	1000	300
50	DF	RH527	47°57'45.9»N	003°04'46.8»W	FO			R	2800	2800	300
60	CF	RH525	47°50'18.0»N	003°05'13.0»W	FO		253 (252.0)	R	2800	2800	300

LEGEND : TF : Track to a Fix **DF** : Direct to a Fix **CF** : Course to a Height **FO** : Course to a Height **FO** : Fly Over **FB** : Fly By

