

**CARTE D'AERODROME**

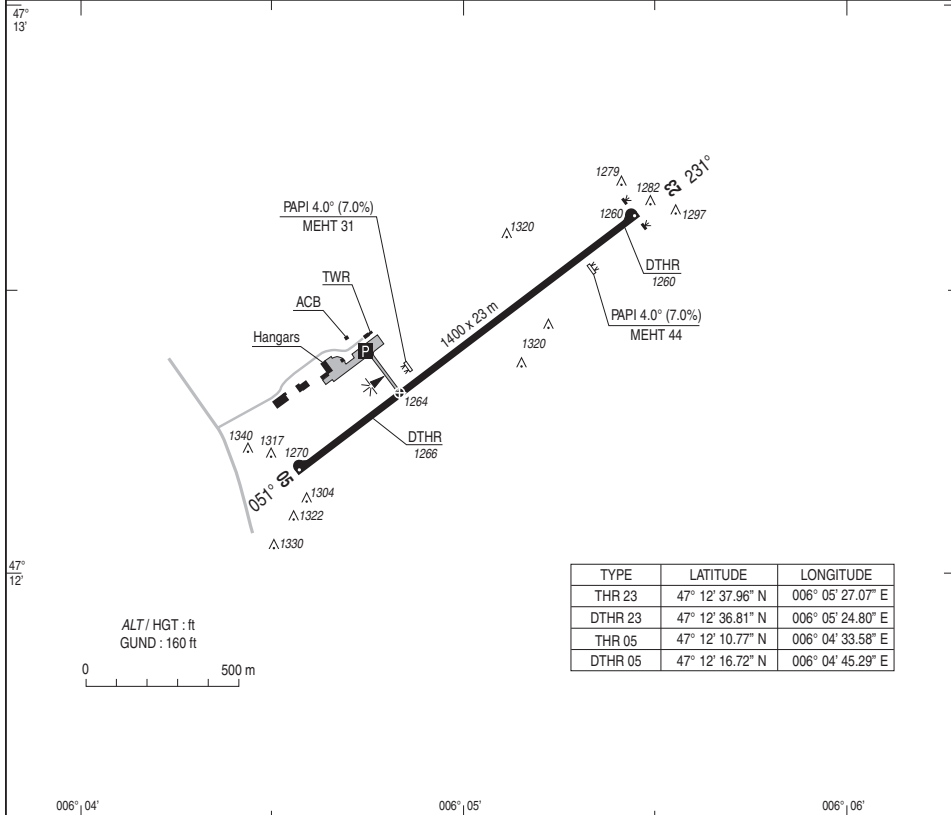
Ouvert à la CAP  
Public air traffic

**BESANCON LA VEZE**  
47 12 19 N - 006 04 50 E

*Aerodrome chart*  
ALT AD : 1270 (46 hPa)

ATS : AFIS : LUN-VEN, sauf JF : 0800-1130,1300-1700. En dehors de ces HOR : PPR AFIS PN 1 HR.  
MON-FRI, except HOL : 0800-1130, 1300-1700. Outside these SKED : PPR AFIS PN 1 HR.  
ETE/SUM - 1HR ☎ 03 81 83 15 32 FAX : 03 81 83 45 22 e-mail : afis@smabliv.fr  
BRIA : Le Bourget (voir/see GEN 3.1)  
AVT : 100LL, JET A1 (CIV-MIL)  
LUN-VEN sauf JF : 0800-1100, 1300-1630 (ETE - 1 HR). AVT possible en dehors de ces HOR et SAM, DIM, JF sur PPR agent AFIS.  
MON-FRI except HOL : 0800-1100, 1300-1630 (SUM - 1 HR). AVT possible outside these SKED and SAT, SUN, HOL on PPR from AFIS agent.  
Péril animalier / Wildlife strike hazard : NIL.

VAR  
2°E  
(20)



RWY	BALISAGE/Lighting		TORA	TODA	ASDA	LDA	NATURE Surface	RESIST. Strength	MINIMUM TKOF (RVR : m)				
	APCH	RWY							CAT A	CAT B	CAT C	CAT D	
05 23	NIL NIL	LIL LIL	1400 1400	1400 1400	1400 1400	1090 1340	Revêtue Paved	9 F/D/W/T	HJ : RVR ≥ 550 m HN : RVR > 800 m	-	-	-	-

CONSIGNES RECOMMANDEES POUR UN DEPART IFR / Recommended instructions for IFR departures : voir / see AD 2 LFQM.22

<b>BALISAGE / Lighting :</b>  RWY 05/23 : DTHR BI / LIL PCL	<b>OBSERVATIONS / Remarks :</b> voir / see AD 2 LFQM 20/21/22/23
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DATA

BESANÇON LA VEZE

## POINTS / REPERES ESSENTIELS DES PROCEDURES

*Waypoints / Procedures main fixes*

Identification	Coordonnées	Coordinates	RNAV	CONV
QM401	47°25 13.2 N	006°14 06.5 E	X	
IQM23	47°18 31.2 N	006°17 04.5 E	X	
QM403	47°14 40.5 N	006°25 39.8 E	X	
FM23Y	47°16 43.2 N	006°13 30.7 E	X	
FM23Z	47°16 38.7 N	006°13 21.8 E	X	
IM23H	47°17 30.0 N	006°15 03.4 E	X	
FM23H	47°15 42.7 N	006°11 31.2 E	X	
RW23	47°12 36.81 N	006°05 24.80 E	X	
QM501	47°11 32.2 N	006°03 17.9 E	X	
IAF BSV	Voir / See AD 2 LFQM.19			X

**APPROCHE AUX INSTRUMENTS**

**BESANCON LA VEZE**

Instrument approach

CAT A B

NDB RWY 23

ALT AD : 1270 (46 hPa), DTHR : 1260

APP : NIL

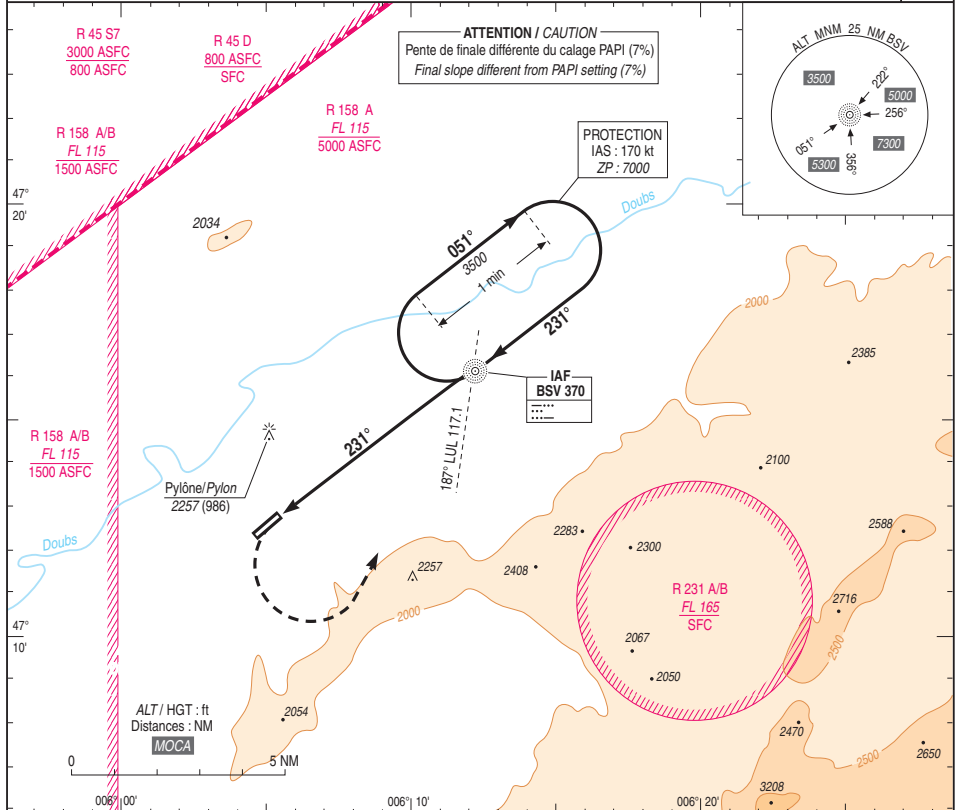
TWR : NIL (AD non contrôlé / not controlled)

AFIS : LA VEZE Information 122.200 (1)

(1) Absence ATIS : A/A FR seulement. Obtenir QNH auprès de ATIS BALE 127.880 ou BALE CTL 124.105 ou BALE Information 135.850.

A/A FR only. Obtain QNH from ATIS BALE 127.880 or BALE CTL 124.105 or BALE Information 135.850.

VAR  
2°E  
(20)



API : Dès l'appareil établi en montée, tourner à gauche vers BSV en montée vers 3500 (2230).

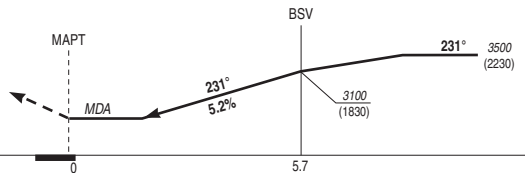
**Ne pas tourner avant le MAPT.**

Monter à 3000 (1730) avant d'accélérer en palier.

Missed APCH: As soon as climb is established, turn left to BSV climbing up to 3500 (2230).

**Do not turn before MAPT.**

Climb up to 3000 (1730) prior to level acceleration.



DTHR ← (NM)

MNM AD : distances verticales en pieds, RVR et VIS en mètres / vertical distances in feet, RVR and VIS in metres.

REF HGT : ALT AD

CAT	NDB			MVL / Circling (1)		MVL / Circling (1)	
	MDA (H)	RVR	OCH	MDA (H)	VIS	MDA (H)	VIS
A	2360 (1090)	1500	1084	2560 (1290)	1500	2850 (1580)	1500
B					1600		1600

Observations / Remarks : (1) Circuit AD RWY 05 : droite / RWY 05 circuit : right hand.

NDB - MAPT	5.7 NM	70 kt 4 min 53	80 kt 4 min 16	90 kt 3 min 48	100 kt 3 min 25	110 kt 3 min 07	120 kt 2 min 51	130 kt 2 min 38
VSP (ft/min)		367	420	471	524	575	628	680



**APPROCHE AUX INSTRUMENTS**

**BESANCON LA VEZE**

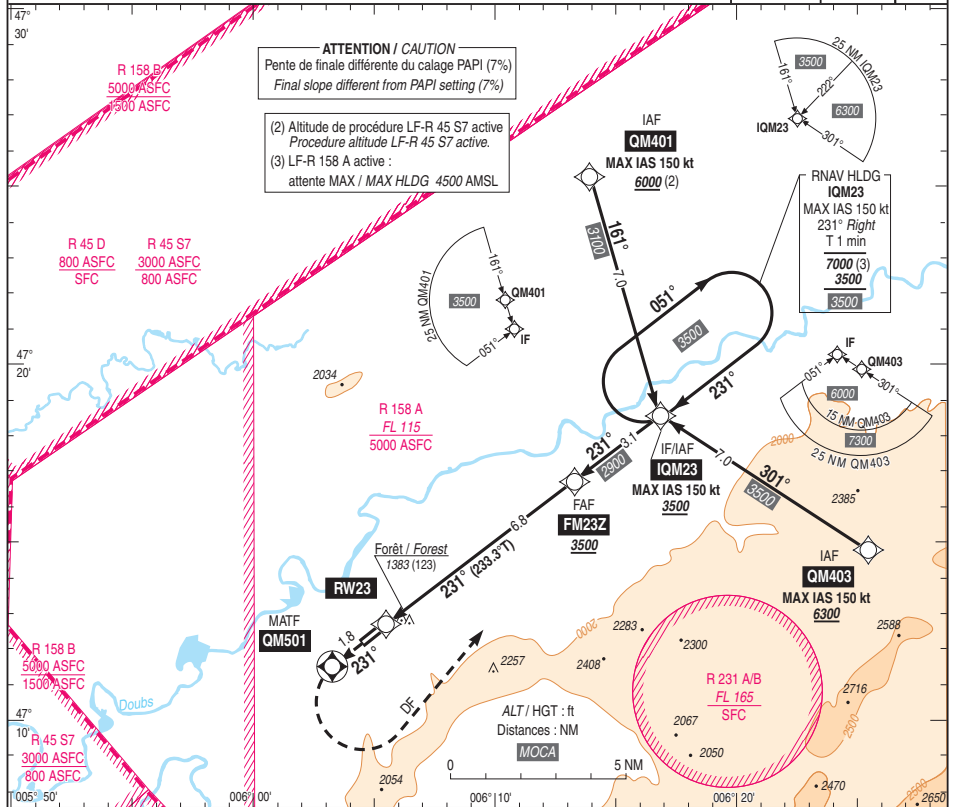
Instrument approach

CAT A B

ALT AD : 1270 , DTHR : 1260 (45 hPa)

RNP Z RWY 23 (LPV only)

APP : NIL TWR : NIL (AD non contrôlé / not controlled) AFIS : LA VEZE Information 122.200 (1) (1) Absence ATIS : A/A FR seulement. Obtenir QNH auprès de ATIS BALE 127.880 ou BALE CTL 124.105 ou BALE Information 135.850. A/A FR only. Obtain QNH from ATIS BALE 127.880 or BALE CTL 124.105 or BALE Information 135.850.	RNP APCH LPV seulement LPV only	EGNOS Ch 41016 E23A RDH : 49	VAR 2°E (20)
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API : Monter vers QM501, puis tourner à gauche directement vers IQM23 (4), en montée vers 3500 (2240).  
Monter à 2600 (1340) avant d'accélérer en palier.

(4) ACFT CAT B : virage à 20° d'inclinaison préconisé pour éviter la zone LF-R 158 B en cas d'activation.

Missed APCH : Climb to QM501, then turn left direct to IQM23 (4), climbing to 3500 (2240).  
Climb to 2600 (1340) prior to level acceleration.

(4) ACFT CAT B : turn with 20° angle bank recommended to avoid LF-R 158 B area when active.

DTHR ← (NM) 1.8 0.0 6.8 9.9

MNM AD : distances verticales en pieds, RVR et VIS en mètres / vertical distances in feet, RVR and VIS in metres. REF HGT : ALT DTHR

CAT	LPV API : 2.5%			LPV API : 3.6%			MVL / Circling		(5) MVL / Circling Absence ATIS Sans QNH local Without local QNH		DIST RW23					
	DA (H)	RVR	OCH	DA (H)	RVR	OCH	MDA (H)	VIS	MDA (H)	VIS	NM	2	3	4	5	6
A	1850 (590)	1500	588	1680 (420)	1500	414	2560 (1300)	1500	2850 (1590)	1500	ALT	1950 (690)	2270 (1010)	2600 (1340)	2920 (1660)	3250 (1990)
B	1860 (600)	1500	598	1690 (430)	1500	424	2560 (1300)	1600	2850 (1590)	1600	(HGT)					

Observations / Remarks : (5) Circuit AD RWY 05 : droite / AD circuit RWY : right hand.

FAP - RW23	6.8 NM	70 kt 5 min 50	80 kt 5 min 06	90 kt 4 min 32	100 kt 4 min 05	110 kt 3 min 43	120 kt 3 min 24	130 kt 3 min 09
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Identification Procedure		RNP Z RWY 23						MAG VAR 2020 2,1°E				Nav Spec
Leg sequence	P/T	ID	Fly Over	Direction MAG °	Direction True °	Distance (NM or min)	Turn	MNM level (FL or AMSL ft)	MAX level (FL or AMSL ft)	MAX IAS (kt)	vertical angle (°) / TCH (m)	
HLDG	-	IQM23	-	-	-	-	-	-	-	-	-	-
INA QM401	IF	QM401						6000		150		RNP APCH
	TF	QM403		161	163.3	7.0		3500		150		RNP APCH
INA QM403	IF	QM403						6300		150		RNP APCH
	TF	QM23		301	303.3	7.0		3500		150		RNP APCH
INA IQM23	IF	IQM23						3500		150		RNP APCH
	IF	IQM23						3500		150		RNP APCH
	TF	FM23Z		231	233.3	3.1		3500				RNP APCH
APCH	TF	RW23		231	233.3	6.8					-3,0° / 15	RNP APCH
	TF	QM501	Yes	231	233.3	1.8						RNP APCH
	DF	IQM23					L	3500				RNP APCH



## Input Data

Parameters	Values
Operation Type	0
SBAS Provider	1
Airport Identifier	LFQM
Runway	23
Runway Direction	0
Approach Performance Designator	0
Route Indicator	Z
Reference Path Data Selector	0
Reference Path Identifier	E23A
LTP/FTP Latitude	471236.8055N
LTP/FTP Longitude	0060524.7955E
LTP/FTP Ellipsoidal Height (metres)	433.3
FPAP Latitude	471203.9840N
Delta FPAP Latitude (seconds)	-32.8215
FPAP Longitude	0060420.2440E
Delta FPAP Longitude (seconds)	-64.5515
Threshold Crossing Height	15.00
TCH Units Selector	1
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	352
HAL (metres)	40.0
VAL (metres)	50.0

## Output Data

Data Block	10 0D 11 06 0C 17 D0 00 01 33 32 05 8B AB 42 14 77 17 9D 02 ED 24 95 FF FE B1 07 FE 2C 81 2C 01 64 2C C8 FA B6 83 33 B5
Calculated CRC Value	B68333B5

## Required Additional Data (not CRC wrapped)

These additional data are not required for CRC calculation, but they need to be provided to datahouses for procedure coding in ARINC 424 records.

Parameters	Values
ICAO Code	QM
LTP/FTP Orthometric Height (metres)	384.1
FPAP Orthometric Height (metres)	384.1





**APPROCHE AUX INSTRUMENTS**

**BESANCON LA VEZE**

Instrument approach  
CAT A B

RNP Y RWY 23

ALT AD : 1270 (46 hPa), DTHR : 1260

APP : NIL

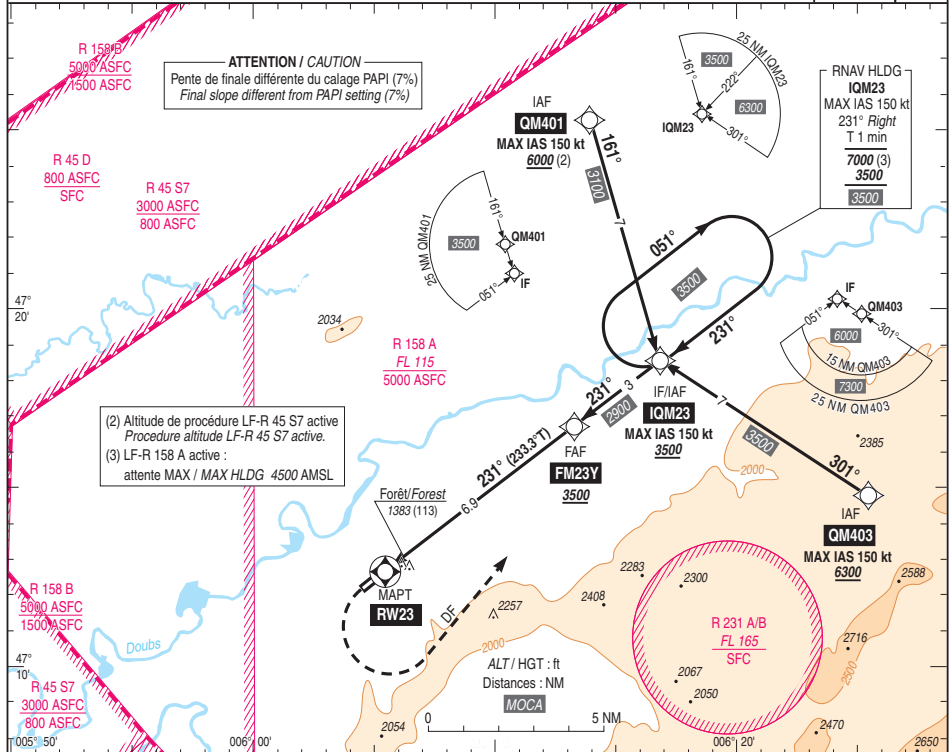
TWR : NIL (AD non contrôlé / not controlled)

AFIS : LA VEZE Information 122.200 (1)

(1) Absence ATIS : AIA FR seulement. Obtenir QNH auprès de ATIS BALE 127.880 ou BALE CTL 124.105 ou BALE Information 135.850.  
AIA FR only. Obtain QNH from ATIS BALE 127.880 or BALE CTL 124.105 or BALE Information 135.850.

RNP APCH

VAR  
2°E  
(20)



(2) Altitude de procédure LF-R 45 S7 active  
Procedure altitude LF-R 45 S7 active.  
(3) LF-R 158 A active :  
attente MAX / MAX HLDG 4500 AMSL

API : Au MAPT, tourner à gauche directement vers IQM23, en montée vers 3500 (2230).

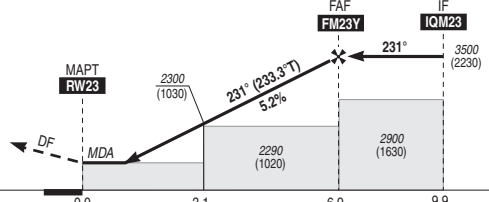
Ne pas tourner avant le MAPT.

Monter à 2600 (1330) avant d'accélérer en palier.

Missed APCH : At MAPT, turn left direct to IQM23, climbing to 3500 (2230).

Do not turn before MAPT.

Climb to 2600 (1330) prior to level acceleration.



DTHR ← (NM)

MNM AD : distances verticales en pieds, RVR et VIS en mètres / vertical distances in feet, RVR and VIS in metres.

REF HGT : ALT AD

CAT	LNAV Y API : 2.5%			LNAV Y API : 4.5%			(4) MVL / Circling		(4) MVL / Circling Absence ATIS Sans QNH local Without local QNH		DIST RW23						
	MDA (H)	RVR	OCH	MDA (H)	RVR	OCH	MDA (H)	VIS	MDA (H)	VIS	NM	ALT	2	3	4	5	6
											(HGT)						
A	2080 (810)	1500		1820 (550)	1500		2560 (1290)	1500	2850 (1580)	1500		1960	2270	2590	2910	3230	
B	2080 (810)	1500	807	1820 (550)	1500	545	2560 (1290)	1600	2850 (1580)	1600		(690)	(1000)	(1320)	(1640)	(1960)	

Observations / Remarks : (4) Circuit AD RWY 05 : droite / RWY 05 circuit : right hand.

FAF - RW23	6.9 NM	70 kt 5 min 55	80 kt 5 min 11	90 kt 4 min 36	100 kt 4 min 09	110 kt 3 min 46	120 kt 3 min 27	130 kt 3 min 12
VSP (ft/min)		370	420	480	530	580	640	690

Identification Procedure		RNP Y RWY 23					MAG VAR 2020 2,1°E					
Leg sequence	P/T	ID	Fly Over	Direction MAG °	Direction True °	Distanc e (NM or min)	Turn	MMI level (FL or AMSL ft)	MAX level (FL or AMSL ft)	MAX IAS (kt)	vertical angle (°) / TCH (m)	Nav Spec
HLDG	-	ICM23	-	-	-	-	-	-	-	-	-	-
INA QM401	IF	QM401						6000		150		RNP APCH
	TF	ICM23		161	163.3	7.0		3500		150		RNP APCH
INA QM403	IF	QM403						6300		150		RNP APCH
	TF	ICM23		301	303.3	7.0		3500		150		RNP APCH
INA ICM23	IF	ICM23						3500		150		RNP APCH
	IF	ICM23						3500		150		RNP APCH
APCH	TF	FM23Y		231	233.3	3		3500				RNP APCH
	TF	RM23	Yes	231	233.3	6.9					-3,0° / 15	RNP APCH
	DF	ICM23					L	3500				RNP APCH



### APPROCHE AUX INSTRUMENTS

BESANCON LA VEZE

Instrument approach

CAT H

RNP H RWY 23

ALT AD : 1270 (46 hPa), DTHR : 1260

APP : NIL

TWR : NIL (AD non contrôlé / not controlled)

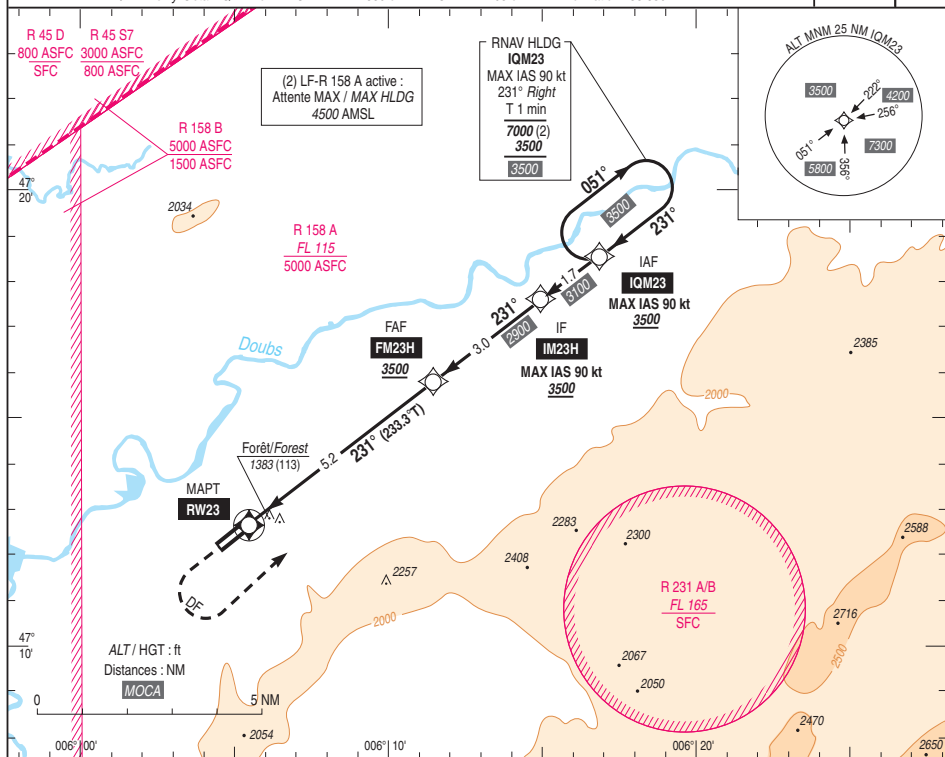
AFIS : LA VEZE Information 122.200 (1)

(1) Absence ATS : AJA FR seulement. Obtenir QNH auprès de ATIS BALE 127.880 ou BALE CTL 124.105 ou BALE Information 135.850.

AJA FR only. Obtain QNH from ATIS BALE 127.880 or BALE CTL 124.105 or BALE Information 135.850.

RNP APCH

VAR  
2°E  
(20)



API : Au MAPT, tourner à gauche directement vers IQM23, en montée vers 3500 (2230).

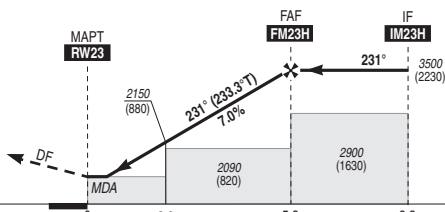
**Ne pas tourner avant le MAPT.**

Monter à 2500 (1230) avant d'accélérer en palier.

*Missed APCH : At MAPT, turn left direct to IQM23, climbing to 3500 (2230).*

**Do not turn before MAPT.**

*Climb to 2500 (1230) prior to level acceleration.*



DTHR ← (NM)

MNM AD : distances verticales en pieds, RVR et VIS en mètres / vertical distances in feet, RVR and VIS in metres.

REF HGT : ALT AD

CAT	LNAV H API : 2.5%			LNAV H API : 3.2%			MVL / Circling <sup>(3)</sup>		MVL / Circling <sup>(3)</sup> Absence ATS Sans QNH local Without local QNH		DIST RW23				
	MDA (H)	RVR	OCH	MDA (H)	RVR	OCH	MDA (H)	VIS	MDA (H)	VIS	NM	2	3	4	5
	ALT (HGT)			ALT (HGT)			ALT (HGT)		ALT (HGT)						
H	1880 (610)	1500	607	1810 (540)	1500	532	2560 (1290)	1500	2850 (1580)	1500		2150 (880)	2580 (1310)	3000 (1730)	3430 (2160)

Observations / Remarks : (3) Circuit AD RWY 05 : droite / AD circuit RWY 05 : right hand.

FAF - RW23 5.2 NM 70 kt 4 min 27 80 kt 3 min 54 90 kt 3 min 28

VSP (ft/min) 496 567 638

Identification Procedure		RNP H RWY 23					MAG VAR 2020 2,1'E			vertical angle (°) / TCH (m)	Nav Spec	
Leg sequence	P/T	ID	Fly Over	Direction MAG °	Direction True °	Distance (NM or min)	Turn	MMI level (FL or AMSL ft)	MAX level (FL or AMSL ft)			MAX IAS (kt)
HLDG	-	ICM23	-	-	-	-	-	-	-	-	-	-
APCH	IF	ICM23								90		RNP APCH
	TF	IM23H		231	233.3	1.7		3500		90		RNP APCH
	IF	IM23H						3500		90		RNP APCH
	TF	FM23H		231	233.3	3		3500				RNP APCH
	TF	RW23	Yes	231	233.3	5.2						-4,0° / 10.7
DF		ICM23					L	3500				RNP APCH

