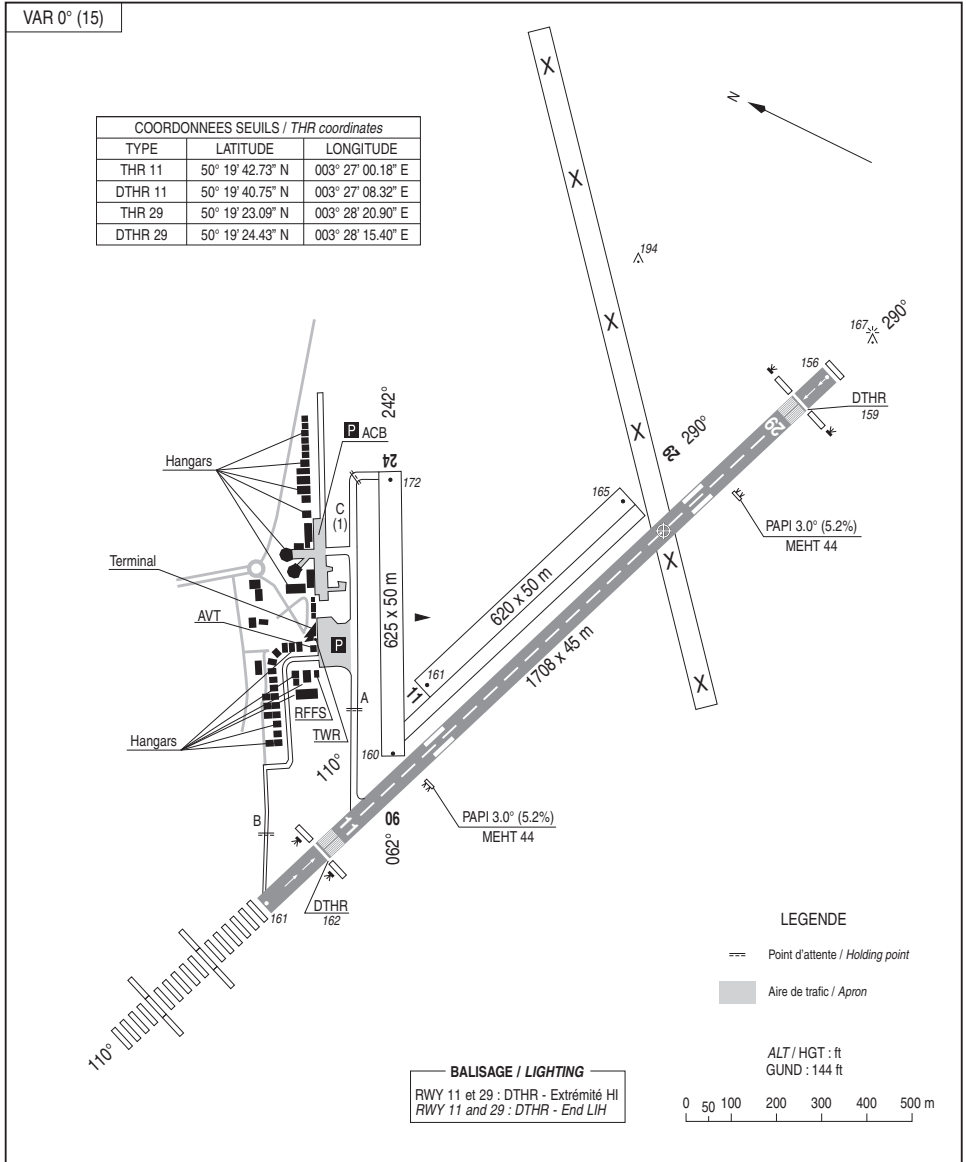


**CARTE D'AERODROME**  
Aerodrome chart

AFIS : VALENCIENNES Information 122.600

**VALENCIENNES DENAIN**  
50 19 29 N - 003 27 56 E  
ALT AD : 165 (6 hPa)



RWY	BALISAGE / Lighting		TORA (2)	TODA (2)	ASDA (2)	LDA (2)	NATURE Surface	RESIST. Strength	MINIMUM TKOF (RVR : m)			
	APCH	RWY							CAT A	CAT B	CAT C	CAT D
11	420 m LIH	LIH	1685	1685	1685	1513	Revêtement	11 R/D/W/T (3)	400	400	400	-
29	NIL	LIH	1618	1678	1708	1592	Paved		400	400	400	-

**OBSERVATIONS / Remarks :** (1) Voir/See AD 2 LFAV.8 - (2) Voir/See AD 2 LFAV.13 - (3) Voir/See AD 2 LFAV.12

DATA

VALENCIENNES DENAIN

## POINTS / REPERES ESSENTIELS DES PROCEDURES

*Way-points / Procedures main fixes*

Identification	Coordonnées <i>Coordinates</i>	RNAV	CONV	SID STAR	IAC
VS	REF AD 2 LFAV.19		X		X
BOBMA	REF ENR 4.4	X			X
ERLED	REF ENR 4.4	X			X
EXEKO	REF ENR 4.4	X			X
NAVAN	REF ENR 4.4	X			X
VADEP	REF ENR 4.4	X			X
VAMOP	REF ENR 4.4	X			X
FAV11	50°21'40.0" N 003°18'56.3" E	X			X
RW11	50°19'40.75" N 003°27'08.32" E	X			X
AV510	50°18'36.8" N 003°31'30.8" E	X			X
FAV29	50°16'16.9" N 003°41'02.0" E	X			X
RW29	50°19'24.43" N 003°28'15.40" E	X			X
AV410	50°20'38.9" N 003°23'09.0" E	X			X
AV412	50°24'06.4" N 003°25'12.1" E	X			X
AV414	50°25'36.2" N 003°32'32.8" E	X			X
AV416	50°23'04.2" N 003°35'03.0" E	X			X

**Données complémentaires à la page DATA 01**

IDENTIFICATION	COORDONNEES	RNAV	CONV
IAF NDB VS	50°21'07.7"N 003°21'14.1"E		X
IAF NAVAN	50°28'06.2"N 003°14'23.0"E	X	
IAF BOBMA	50°18'45.1"N 003°08'53.1"E	X	
IAF VAMOP	50°23'25.7"N 003°11'37.8"E	X	
IF VAMOP	50°23'25.7"N 003°11'37.8"E	X	
MAHF BOBMA	50°18'45.1"N 003°08'53.1"E	X	
IAF ERLED	50°17'49.6"N 003°52'49.7"E	X	
IAF EXEKO	50°09'42.6"N 003°48'09.1"E	X	
IAF VADEP	50°14'29.6"N 003°48'17.5"E	X	
IF VADEP	50°14'29.6"N 003°48'17.5"E	X	
MAHF EXEKO	50°09'42.6"N 003°48'09.1"E	X	



**APPROCHE AUX INSTRUMENTS**

**VALENCIENNES DENAIN**

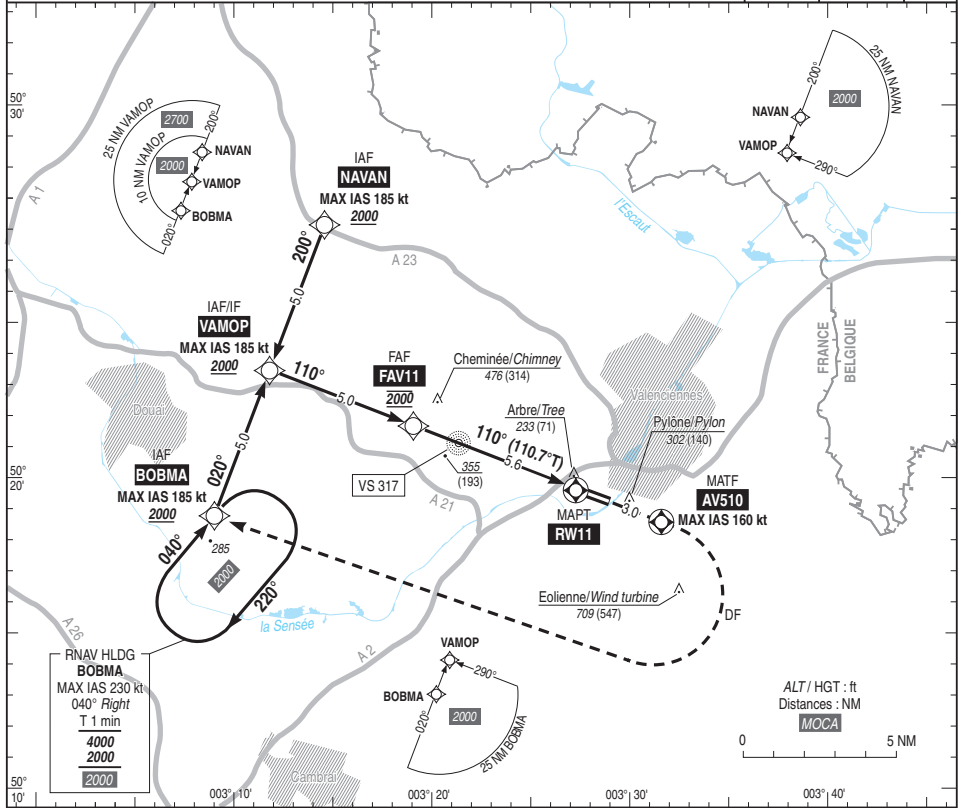
Instrument approach  
CAT A B C

**RNP RWY 11**

ALT AD : 165, DTHR : 162 (6 hPa)

**APP** : LILLE Approche/Approach 126.475 (dans les limites TMA LILLE / within the limits of LILLE TMA)  
**TWR** : NIL (AD non contrôlé/AD not controlled)  
**AFIS** : VALENCIENNES Information 122.600  
 Absence ATS : AJA FR seulement. Obtenir le QNH de LILLE sur ATIS LILLE 119.330 ou auprès de LILLE Approche 126.475  
**AJA FR only. Obtain LILLE QNH from LILLE ATIS 119.330 or from LILLE Approach 126.475**

RNP APCH	EGNOS 95683 E11A RDH : 49	VAR 0° (15)
-------------	------------------------------------	-------------------



API : Monter direct vers AV510 (MAX IAS 160 kt), puis tourner à droite direct vers BOBMA en montée vers 2000 (1838) pour intégrer l'attente. Ou suivre les instructions du contrôle.  
 Monter à 1300 (1138) avant d'accélérer en palier.

Missed APCH : Climb direct to AV510 (MAX IAS 160 kt), then turn right direct to BOBMA climbing up to 2000 (1838) to enter holding. Or proceed according to ATC instructions. Climb up to 1300 (1138) prior to level acceleration.

→ DTHR (NM) 10.6 5.6 0

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

CAT	LPV			LNAV			MVL / Circling (1)		MVL / Circling absence ATS (1)		DIST RWY11					
	DA (H)	RVR	OCH	MDA (H)	RVR	OCH	MDA (H)	VIS	MDA (H)	VIS	NM	5	4	3	2	1
A	420 (250)	800	218	650 (490)	1500	488	790 (630)	1500	890 (730)	1500	1800	1480	1170	850	530	
B			230		1500		790 (630)	1600	890 (730)	1600	(1638)	(1318)	(1008)	(688)	(368)	
C			238		1800		1120(960)	2400	1220 (1060)	2400						

Observations / Remarks : (1) MVL CAT C interdite au Nord de la piste / Circling CAT C prohibited North of RWY.  
 Panne de guidage GNSS lors de l'approche / Loss of GNSS guidance during approach : voir / see AIP ENR 1.5.

FAF - DTHR	5.6 NM	70 kt	85 kt	100 kt	115 kt	130 kt	160 kt
VSP (ft/min)		4 min 49	3 min 58	3 min 22	2 min 56	2 min 36	2 min 06
		370	450	530	610	690	850

RNP RWY 11												
RMK	Leg sequence	Path Terminator	Waypoint Identification	Fly Over	Direction MAG (°)	Direction True (°)	Distance (NM)	Turn direction	MAG VAR 2015 0.4°E		REF NAVAID : -	
									MINM Altitude (FL or AMSL ft)	MAX Altitude (FL or AMSL ft)	MAX IAS (kt)	Vertical angle (°) / TCH (m)
	HLDG	-	BOBMA	-	-	-	-	-	-	-	-	-
	INA BOBMA	IF	BOBMA	-	-	-	-	-	2000	-	185	-
		TF	VAMOP	-	020	020.6	5.0	-	2000	-	185	-
	INA NAVAN	IF	NAVAN	-	-	-	-	-	2000	-	185	-
		TF	VAMOP	-	200	200.6	5.0	-	2000	-	185	-
	INA VAMOP	IF	VAMOP	-	-	-	-	-	2000	-	185	-
		IF	VAMOP	-	-	-	-	-	2000	-	185	-
		TF	FAV11	-	110	110.6	5.0	-	2000	2000	-	-
	APCH	TF	RW11	Y	110	110.7	5.6	-	-	-	-	-3.0° / 15.0
		TF	AV510	Y	110	110.8	3.0	-	-	-	160	-
		DF	BOBMA	-	-	-	-	R	-	-	185	-

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LFAV
Runway	11
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E11A
LTP/FTP Latitude	501940.7500N
LTP/FTP Longitude	0032708.3200E
LTP/FTP Ellipsoidal Height (metres)	93.2
FPAP Latitude	501921.2610N
Delta FPAP Latitude (seconds)	-19.4890
FPAP Longitude	0032828.4190E
Delta FPAP Longitude (seconds)	80.0990
Threshold Crossing Height	15.0
TCH Units Selector	1 (meters)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	160
HAL (metres)	40.0
VAL (metres)	35.0

Output data

Data Block	10 16 01 06 0C 0B 00 00 01 31 31 05 9C 32 99 15 40 48 7B 01 A4 17 BE 67 FF C6 71 02 2C 81 2C 01 64 14 C8 AF ED 6F 81 EC
Calculated CRC Value	ED6F81EC

Required Additional Data

ICAO Code	L F
LTP/FTP Orthometric Height (metres)	49.2





**APPROCHE AUX INSTRUMENTS**

**VALENCIENNES DENAIN**

*Instrument approach*

CAT A B C

NDB RWY 11

**ALT AD : 165 (6 hPa), DTHR : 162**

APP : LILLE Approche/Approach 126.475 (dans les limites TMA LILLE/within TMA LILLE limits)

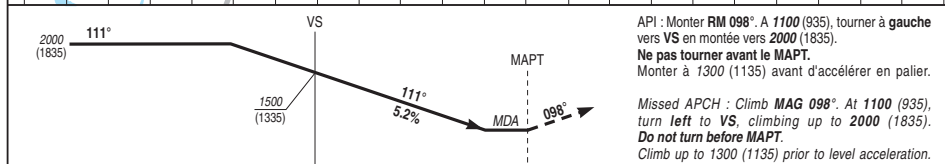
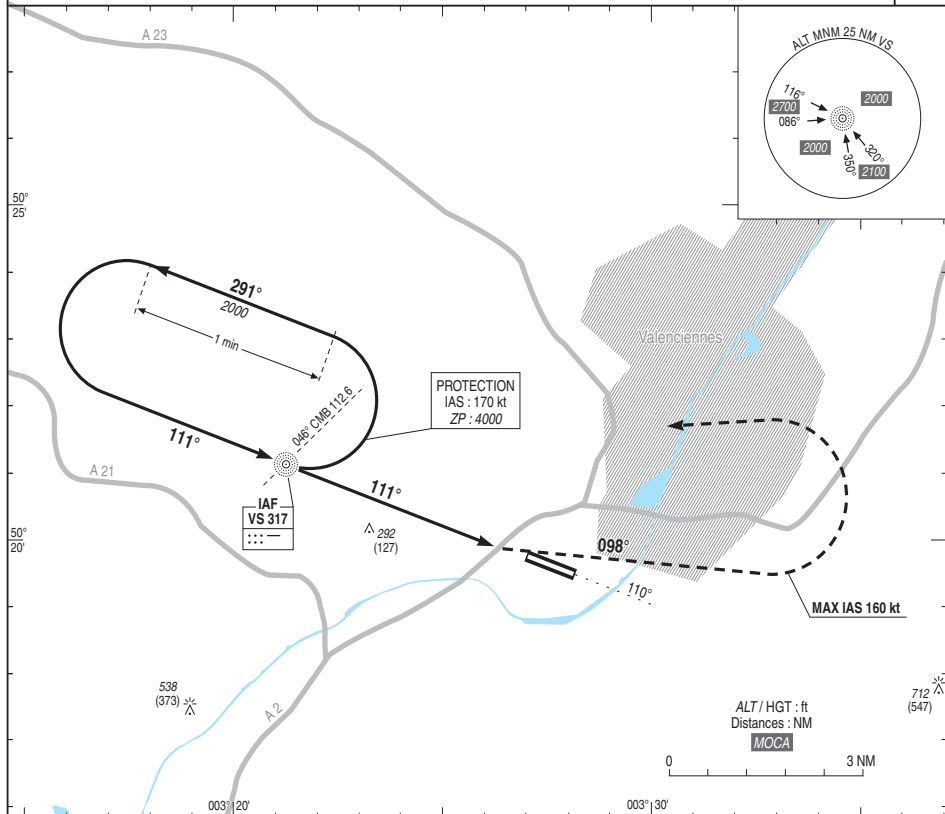
TWR : NIL (AD non contrôlé/AD not controlled)

AFIS : VALENCIENNES Information 122.600

Absence ATS : A/A FR seulement. Obtenir le QNH de LILLE sur ATIS LILLE 119.330 ou auprès de LILLE Approche 126.475

A/A FR only. Obtain LILLE QNH from LILLE ATIS 119.330 or from LILLE Approach 126.475

VAR  
0°  
(15)



API : Monter RM 098° : A 1100 (935), tourner à gauche vers VS en montée vers 2000 (1835).

**Ne pas tourner avant le MAPT.**

Monter à 1300 (1135) avant d'accélérer en palier.

Missed APCH : Climb MAG 098°. At 1100 (935), turn left to VS, climbing up to 2000 (1835). **Do not turn before MAPT.**

Climb up to 1300 (1135) prior to level acceleration.

→ DTHR (NM) 4 0.7  
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 absence ATS (1)	
	MDA (H)	RVR	OCH	MDA (H)	VIS	MDA (H)	VIS
A				790 (630)	1500	890 (730)	1500
B	650 (490)	1400	485	790 (630)	1600	890 (730)	1600
C				1120 (960)	2400	1220 (1060)	2400

Observations/Remarks : (1) MVL CAT C interdite au nord de la piste / Circling CAT C prohibited North of RWY.

NDB - MAPT	3.3 NM	70 kt 2 min 50	90 kt 2 min 12	110 kt 1 min 48	130 kt 1 min 32	150 kt 1 min 20	160 kt 1 min 14
VSP (ft/min)		380	485	590	700	805	860



**APPROCHE AUX INSTRUMENTS**

**VALENCIENNES DENAIN**

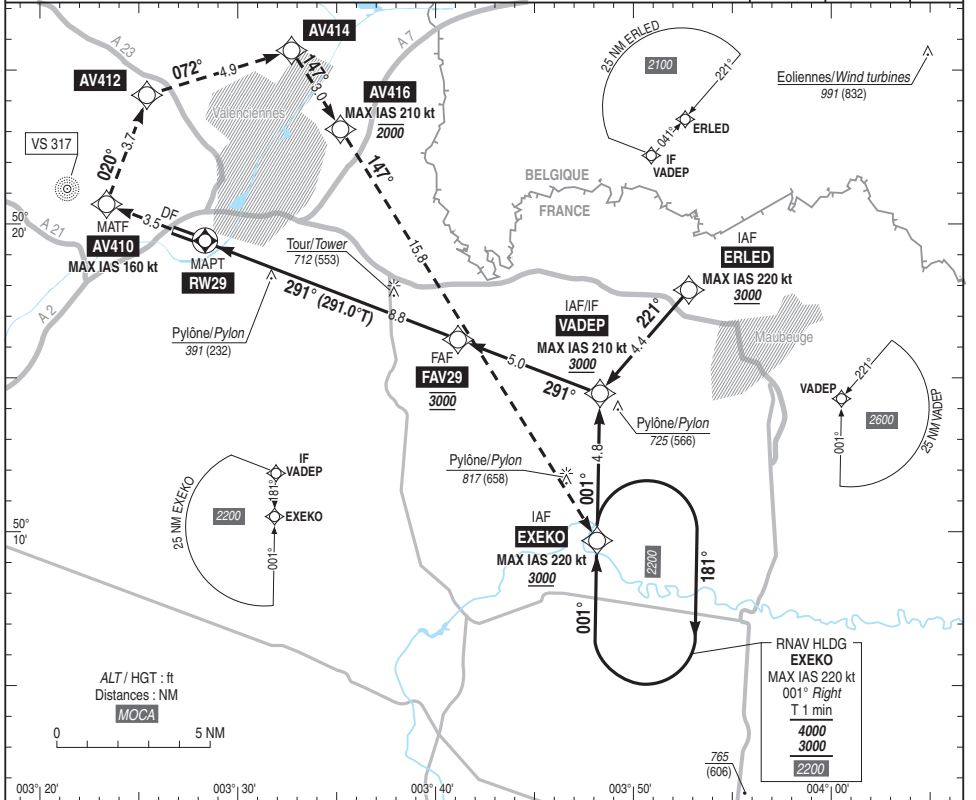
Instrument approach  
CAT A B C

**RNP RWY 29**

ALT AD : 165, DTHR : 159 (6 hPa)

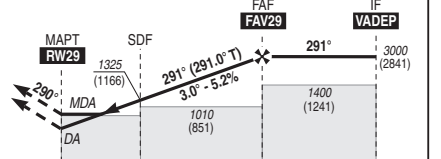
APP : LILLE Approche/Approach 126.475 (dans les limites TMA LILLE/within the limits of LILLE TMA)  
TWR : NIL (AD non contrôlé/AD not controlled)  
AFIS : VALENCIENNES Information 122.600  
Absence ATS : AIA FR seulement. Obtenir le QNH de LILLE sur ATIS LILLE 119.330 ou auprès de LILLE Approche 126.475  
AIA FR only. Obtain LILLE QNH from LILLE ATIS 119.330 or from LILLE Approach 126.475

RNP APCH	EGNOS 96141 E29A RDH : 50	VAR 0° (15)
-------------	------------------------------------	-------------------



API : Monter direct vers AV410 (MAX IAS 160 kt). Sauf instruction du contrôle, tourner à droite vers AV412 puis vers AV 414, puis vers AV 416, en montée vers 2000 (1841) MAX (IAS MAX 210 kt), puis monter vers EXEKO et intégrer l'attente à 3000 (2841).  
Monter à 1300 (1141) avant d'accélérer au palier.

Missed APCH : Climb direct to AV410 (MAX IAS 160 kt). Except ATC instructions, turn right to AV412, then to AV414, then to AV416 climbing up to 2000 (1841) MAX (MAX IAS 210 kt) then climb up to EXEKO to enter holding at 3000 (2841). Climb up to 1300 (1141) 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 DTHR

CAT	LPV			LNAV			MVL / Circling (1)		MVL / Circling absence ATS (1)		DIST RWY29
	DA (H)	RVR	OCH	MDA (H)	RVR	OCH	MDA (H)	VIS	MDA (H)	VIS	
A	460 (300)	1400	275	640 (480)	1500	478	790 (630)	1500	890 (730)	1500	2
B			284		1500	478	790 (630)	1600	890 (730)	1600	3
C			294		2200		1120 (960)	2400	1220 (1060)	2400	4
											5
											6
											7
											8

Observations / Remarks : (1) MVL CAT C interdite au Nord de la piste / Circling CAT C prohibited North of RWY.  
Panne de guidage GNSS lors de l'approche / Loss of GNSS guidance during approach : voir / see AIP ENR 1.5.

FAF - DTHR	8.8 NM	70 kt	85 kt	100 kt	115 kt	130 kt	160 kt
VSP (ft/min)		7 min 31	6 min 11	5 min 16	4 min 35	4 min 03	3 min 17
		370	450	530	610	690	850

RNP RWY 29														
RMK	Leg sequence	Path Terminator	Waypoint Identification	Fly Over	Direction MAG (°)	Direction True (°)	Distance (NM)	Turn direction	MAG VAR 2015 - 04'E			REF NAVAD :-		
									MNM Altitude (FL or AMSL ft)	MAX Altitude (FL or AMSL ft)	MAX IAS (kt)	Vertical angle (°) / TCh (m)	NAV Spec	
	HLDG	-	EXEKO	-	-	-	-	-	-	-	-	-	-	-
	INA EXEKO	IF	EXEKO	-	-	-	-	-	-	3000	-	220	-	RNP APCH
		TF	VADEP	-	001	001.1	4.8	-	-	3000	-	210	-	RNP APCH
	INA ERLED	IF	ERLED	-	-	-	-	-	-	3000	-	220	-	RNP APCH
		TF	VADEP	-	221	221.1	4.4	-	-	3000	-	210	-	RNP APCH
	INA VADEP	IF	VADEP	-	-	-	-	-	-	3000	-	210	-	RNP APCH
		TF	VADEP	-	-	-	-	-	-	3000	-	210	-	RNP APCH
		TF	FAV29	-	291	291.1	5.0	-	-	3000	3000	-	-	RNP APCH
		TF	RW29	Y	291	291.0	8.8	-	-	-	-	-	-3.0° / 15.0	RNP APCH
	APCH	DF	AV410	-	290	290.8	3.5	-	-	-	-	160	-	RNP APCH
		TF	AV412	-	020	020.8	3.7	-	-	-	-	-	-	RNP APCH
		TF	AV414	-	072	072.3	4.9	-	-	-	-	-	-	RNP APCH
		TF	AV416	-	147	147.7	3.0	-	-	-	2000	210	-	RNP APCH
		TF	EXEKO	-	147	147.8	15.8	-	-	3000	-	220	-	RNP APCH

## Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LFAV
Runway	29
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E29A
LTP/FTP Latitude	501924.4310N
LTP/FTP Longitude	0032815.3980E
LTP/FTP Ellipsoidal Height (metres)	92.5
FPAP Latitude	501943.9180N
Delta FPAP Latitude (seconds)	19.4870
FPAP Longitude	0032655.2960E
Delta FPAP Longitude (seconds)	-80.1020
Threshold Crossing Height	15.0
TCH Units Selector	1 (meters)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	104
HAL (metres)	40.0
VAL (metres)	50.0

## Output data

Data Block	10 16 01 06 0C 1D 00 00 01 39 32 05 1E B3 98 15 4C 54 7D 01 9D 17 3E 98 00 34 8E FD 2C 81 2C 01 64 0D C8 FA 40 3E 45 46
Calculated CRC Value	403E4546

## Required Additional Data

ICAO Code	LF
LTP/FTP Orthometric Height (metres)	48.5

