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Airport Information For LFBD

Terminal Charts For LFBD

Revision Letter For Cycle 13-2016

Change Notices

Notebook

General Information

Location: BORDEAUX FRA
ICAO/IATA: LFBD / BOD
Lat/Long: N44° 49.72', W000° 42.92'
Elevation: 166 ft

Airport Use: Public
Daylight Savings: Observed
UTC Conversion: -1:00 = UTC
Magnetic Variation: 1.0° W

Fuel Types: 100 Octane (LL), Jet A-1
Repair Types: Major Airframe, Major Engine
Customs: Yes
Airport Type: IFR
Landing Fee: Yes
Control Tower: Yes
Jet Start Unit: No
LLWS Alert: No
Beacon: No
Traffic Pattern Altitude: 1666 ft (1500 ft AGL)

Sunrise: 0416 Z
Sunset: 1952 Z

Runway Information

Runway: 05
Length x Width: 10171 ft x 148 ft
Surface Type: bitu
TDZ-Elev: 160 ft
Lighting: Edge, Centerline, REIL

Runway: 11
Length x Width: 7923 ft x 148 ft
Surface Type: bitu
TDZ-Elev: 153 ft
Lighting: Edge, REIL

Runway: 23
Length x Width: 10171 ft x 148 ft
Surface Type: bitu
TDZ-Elev: 151 ft
Lighting: Edge, ALS, Centerline, REIL, TDZ

Runway: 29
Length x Width: 7923 ft x 148 ft
Surface Type: bitu
TDZ-Elev: 160 ft
Lighting: Edge, REIL

Communication Information

ATIS: 131.150

Merignac Tower: 118.300

Merignac Ground: 121.900

Merignac Ground: 121.725

Aquitaine Approach: 129.875

Merignac Approach: 121.200

Aquitaine Approach: 119.275

Aquitaine Approach: 126.725 Secondary

Bordeaux Test Information: 122.900 Flight Info Service

Aquitaine Information Information: 120.575 Flight Info Service

LFBD/BOD
MERIGNAC

JEPPESSEN
30 JAN 15 **10-1P**

Eff 5 Feb

BORDEAUX, FRANCE
AIRPORT BRIEFING

1. GENERAL

1.1. ATIS
ATIS 131.15

1.2. SPEED RESTRICTIONS

Within AQUITAINE TMA parts 2.1, 2.2 and 3, the speed is limited to MAX 250 KT below FL100 except with explicit clearance by ATC.

For ACFT which cannot maintain MAX 250 KT for technical reasons or for flight quality, a higher speed is possible after ATC clearance.

1.3. NOISE ABATEMENT PROCEDURES

1.3.1. RUNWAY USAGE

RWY 23 is preferred up to tailwind of 5 KT, including gusts of wind.

When both RWYs available, RWY 05/23 shall be used up to a crosswind component of 15 KT, including gusts of wind.

1.3.2. REVERSE THRUST

Between 2200-0600LT the use of reverse thrust and propeller pitch reversal greater than idle power is prohibited, except for safety reasons.

1.3.3. RUN-UP TESTS

Except with special authorization from Tower Manager, engine tests are prohibited between 2200-0600LT. These tests will be run:

- in idle power on ACFT stands;
- in high power at locations assigned by the Tower Manager.

1.4. RWY OPERATIONS

1.4.1. GENERAL

RWY 11/29 prohibited to any CAT C and D four-engined ACFT with an outer engine span above 102'/31m.

1.4.2. PREFERENTIAL RWY SYSTEM

If not directed otherwise and wind speed is less than 5 KT, use RWY 23.

1.5. TAXI PROCEDURES

TWY L3 MAX wingspan 49'/15m.

TWYs L2 and L4 MAX wingspan 53'/16.3m.

TWY L1 MAX wingspan 64'/19.4m except section used when exiting TWY L5 which is limited to MAX wingspan 86'/26.3m.

TWYs L5 and L6 MAX wingspan 86'/26.3m.

TWY E2 from TWY W1 or W2 to TWY P2 or P3, TWY E3, E5 and TWY W4 MAX wingspan 118'/36m.

TWY G and S4 MAX wingspan 171'/52m.

A340-500, A340-600, A380, B777-300:

Taxi with CAUTION, especially in curves. Oversteering technique recommended.

1.6. PARKING INFORMATION

1.6.1. GENERAL

Marshaller mandatory on all ACFT stands.

Push-back required for some ACFT types on stands A5, A7, A9 and A11.

Push-back required on stands A6, A8, A10, A12, A13, B1R, B2R, B3R, B4R, B5R, B7R, B8R, B9R, C1 thru C6, D1 thru D6, F3 and F4.

LFBD/BOD
MERIGNAC

30 JAN 15

JEPPESEN

10-1P1

Eff 5 Feb

BORDEAUX, FRANCE

AIRPORT BRIEFING

1. GENERAL

1.6.2. USE OF STANDS WITH RVR LESS THAN 350M

Arrivals to all F, K, L and U stands with Follow-me car except stand F1 for ACFT with MAX wingspan 118'/36m which have direct access via TWY W4.

1.6.3. USE OF STANDS WITH RVR LESS THAN 150M

Stands B1 thru B5R and all F, K, L and U stands with Follow-me car.

Departure from stands B8 and B9 with Follow-me car.

1.7. OTHER

1.7.1. AIR NAVIGATION HAZARD

Weather radio-sounding balloon released automatically every day between 1115 and 1215 as well as 2315 and 0015.

2. ARRIVAL

2.1. NOISE ABATEMENT PROCEDURES

For RWYs 23 and 29 ILS and/or GNSS procedures will be applied.

2.2. CAT II/III OPERATIONS

RWY 23 approved for CAT II/III operations, special aircrew and ACFT certification required.

3. DEPARTURE

3.1. NOISE ABATEMENT PROCEDURES

SID routes must strictly be followed.

They can be altered only until reaching 5000' and by ATC.

Noise measurement stations have been installed. For location and position refer to charts 10-4/4A.

JETS

Maintain a speed of $V_2 + 10$ KT or as ACFT performance permits, up to 3170' with flaps at take-off setting.

Above 3170' adopt normal climb speed and retract flaps.

ALL TYPES OF ACFT

Reach 3170' as quickly as possible.

3.2. PUSH-BACK PROCEDURES

Push-back clearance valid for 1 min only.

Push-back allowed in two ways, except for following stands:

Stand A5 for ACFT with wingspan exceeding 118'/36m: Push-back heading 050° for exit via TWY E1.

Stand A6 for all ACFT (except B772) push-back on TWY W1 heading 050° for exit via TWY E1.

For B772: DEP QFU 05: Push-back on TWY P1 heading 230°.

DEP QFU 23: Push-back on TWY W2 heading 050° for exit via TWY E1.

Stands A7, A8 and A9 for ACFT with wingspan exceeding 118'/36m: Push-back heading 050° for exit via TWY E1.

Stand A10 for all ACFT (except B777): Push-back on TWY W1 heading 050°.

For B777: DEP QFU 05: Push-back on TWY P1 heading 230°.

DEP QFU 23: Push-back on TWY W1 heading 050°.

Stand A11: Push-back heading 050° for exit via TWY E1.

LFBD/BOD
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12 DEC 14

JEPPesen

(10-1P2)

BORDEAUX, FRANCE

AIRPORT BRIEFING

3. DEPARTURE

Stand B2R for all ACFT (except B777) push-back on TWY W2 heading 050°, then towing from TWY B4 for start-up and exit via TWY E1.

For B777: DEP QFU 05: Push-back on TWY P1 heading 230°.

DEP QFU 23: Push-back on TWY W2 heading 050°, then towing from TWY B4 for start-up and exit via TWY E1.

Stands B3R and B4R for ACFT with wingspan exceeding 118'/36m: Push-back heading 050° for exit via TWY E1.

Stands B7R, B8R, B9R, C1, C2 and C3: Push-back on TWY W3 heading 290°.

Stands D5 and D6: Push-back direction by ATC instruction, end of push-back must be notified to Tower by crews when reaching TWY W5 (known by marshaller).

Stands F3 and F4: Push-back on TWY W5 heading 245°, end of push-back must be notified to Tower by crews when reaching TWY W5 (known by marshaller).

3.3. DATALINK DEPARTURE CLEARANCE (DCL)

The departure clearance request through data link may be initialized by crews up to 60 min before the estimated start-up time.

The crew's acknowledgement of receipt shall be received by the control service no later than 5 min after the clearance issuance.

If no echoback is given 10 min before the estimated start-up time, the crew shall come into contact with Ground frequency to obtain the clearance.

Unless specifically indicated in the message, the departure clearance obtained through data link is considered as a start-up authorization provided that the possible take-off time slot is complied with.

Push-back and taxi authorization shall be delivered on GROUND frequency.

ACFT located on specific stands shall enter the following parking codes in their clearance request message through data link: SAB for Sabena Technics, DAS for Dassault Aviation and MIL for Military.

t_i 60 min

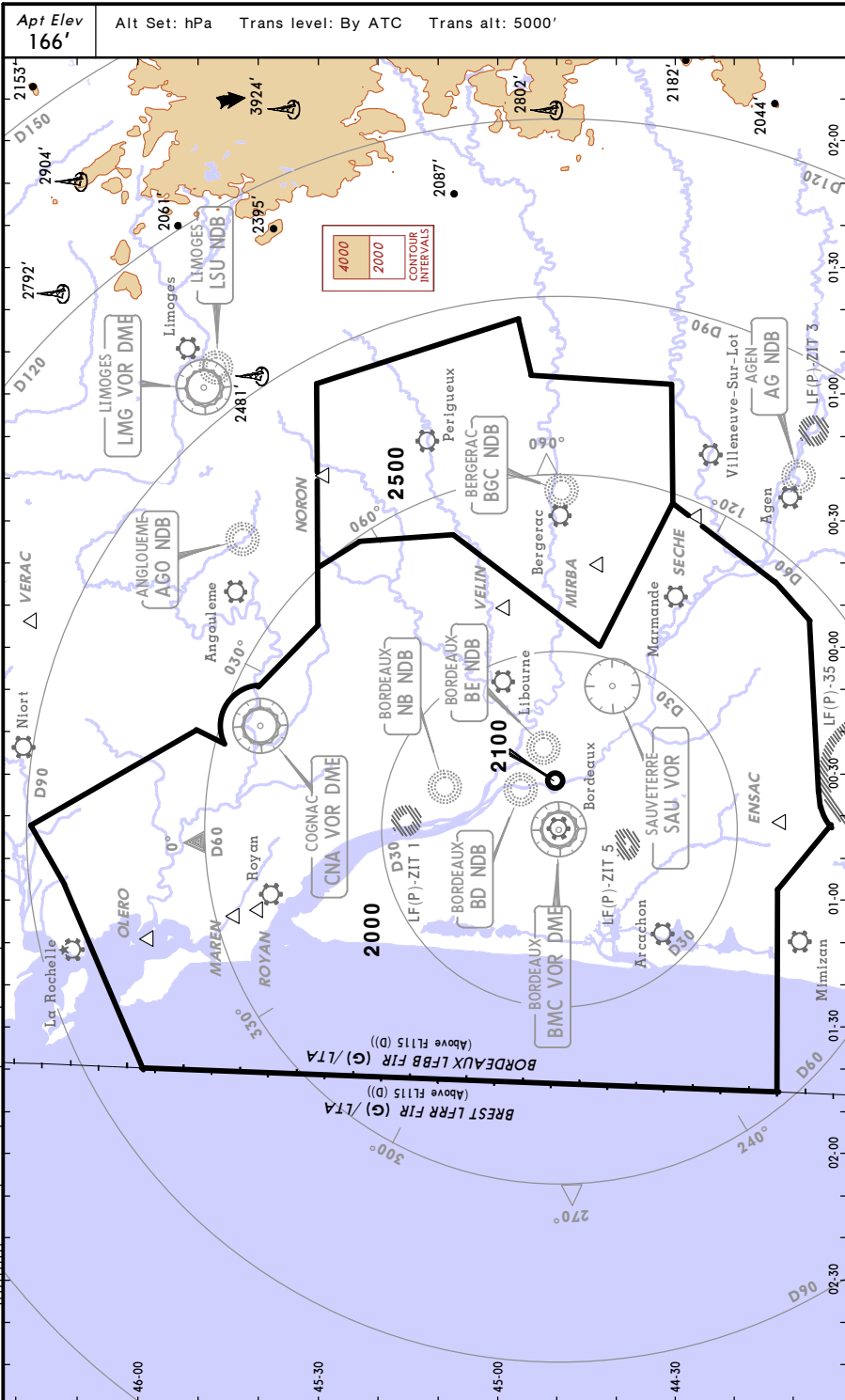
t_t 10 min

t_1 5 min

LFBD/BOD
MERIGNAC

JEPPSEN
23 JUL 10 (10-1R) Eff 29 Jul

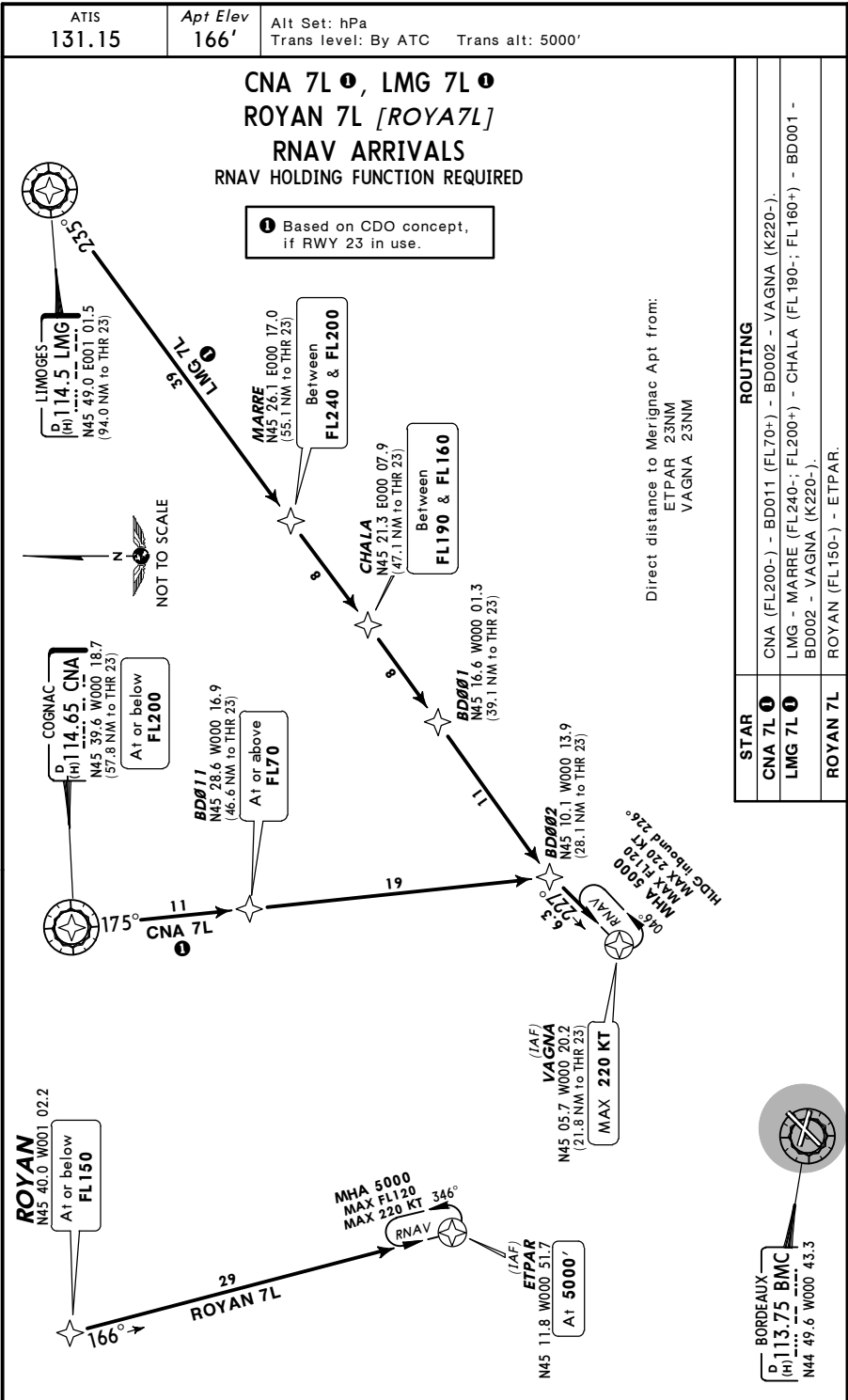
BORDEAUX, FRANCE
RADAR MINIMUM ALTITUDES



LFBD/BOD
MERIGNAC

JEPPesen
11 OCT 13 10-2 Eff 17 Oct

BORDEAUX, FRANCE
RNAV STAR



LFBD/BOD
MERIGNAC

JEPPESEN
11 OCT 13 (10-2A) Eff 17 Oct

BORDEAUX, FRANCE
RNAV STAR

ATIS
131.15

Apt Elev
166'

Alt Set: hPa
Trans level: By ATC Trans alt: 5000'

BGC 7L

MIRBA 7L [MIRB7L] ①

VELIN 7L [VELI7L] ①

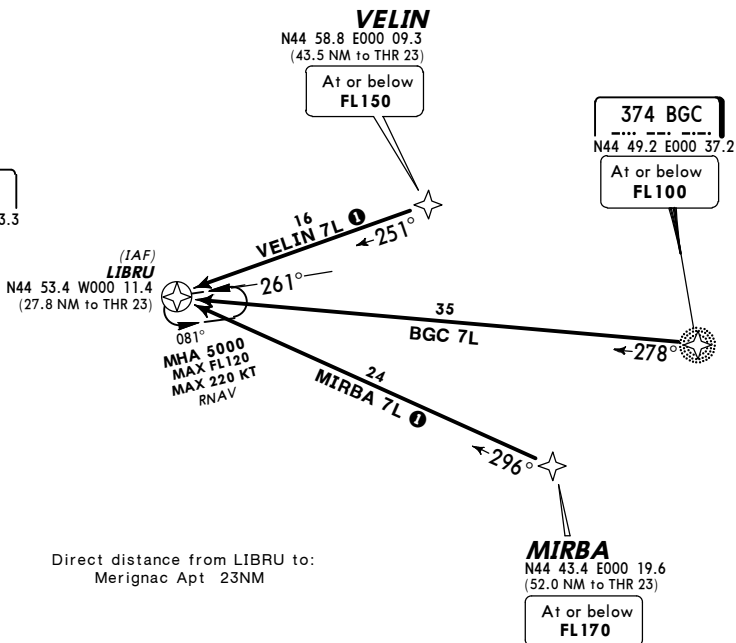
RNAV ARRIVALS

RNAV HOLDING FUNCTION REQUIRED

① Based on CDO concept,
if RWY 23 in use.



BORDEAUX
(h) 113.75 BMC
N44 49.6 W000 43.3



STAR	ROUTING
BGC 7L	BGC (FL100-) - LIBRU.
MIRBA 7L ①	MIRBA (FL170-) - LIBRU.
VELIN 7L ①	VELIN (FL150-) - LIBRU.

LFBG/BOD
MERIGNAC

 **JEPPESSEN**
27 DEC 13 **(10-2B)** **Eff 9 Jan**

BORDEAUX, FRANCE
RNAV STAR

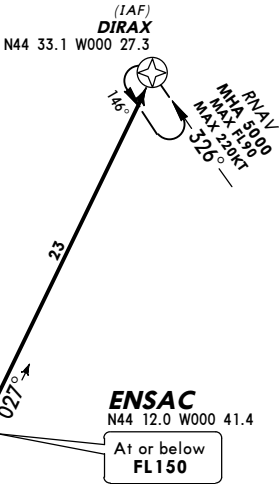
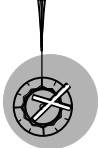
ATIS
131.15

Apt Elev
166'

Alt Set: hPa
Trans level: By ATC Trans alt: 5000'

ENSAC 7L [ENSA7L]
RNAV ARRIVAL
RNAV HOLDING FUNCTION REQUIRED

BORDEAUX
D
(H) **113.75 BMC**
N44 49.6 W000 43.3



Direct distance from DIRAX to:
Merignac Apt 20NM

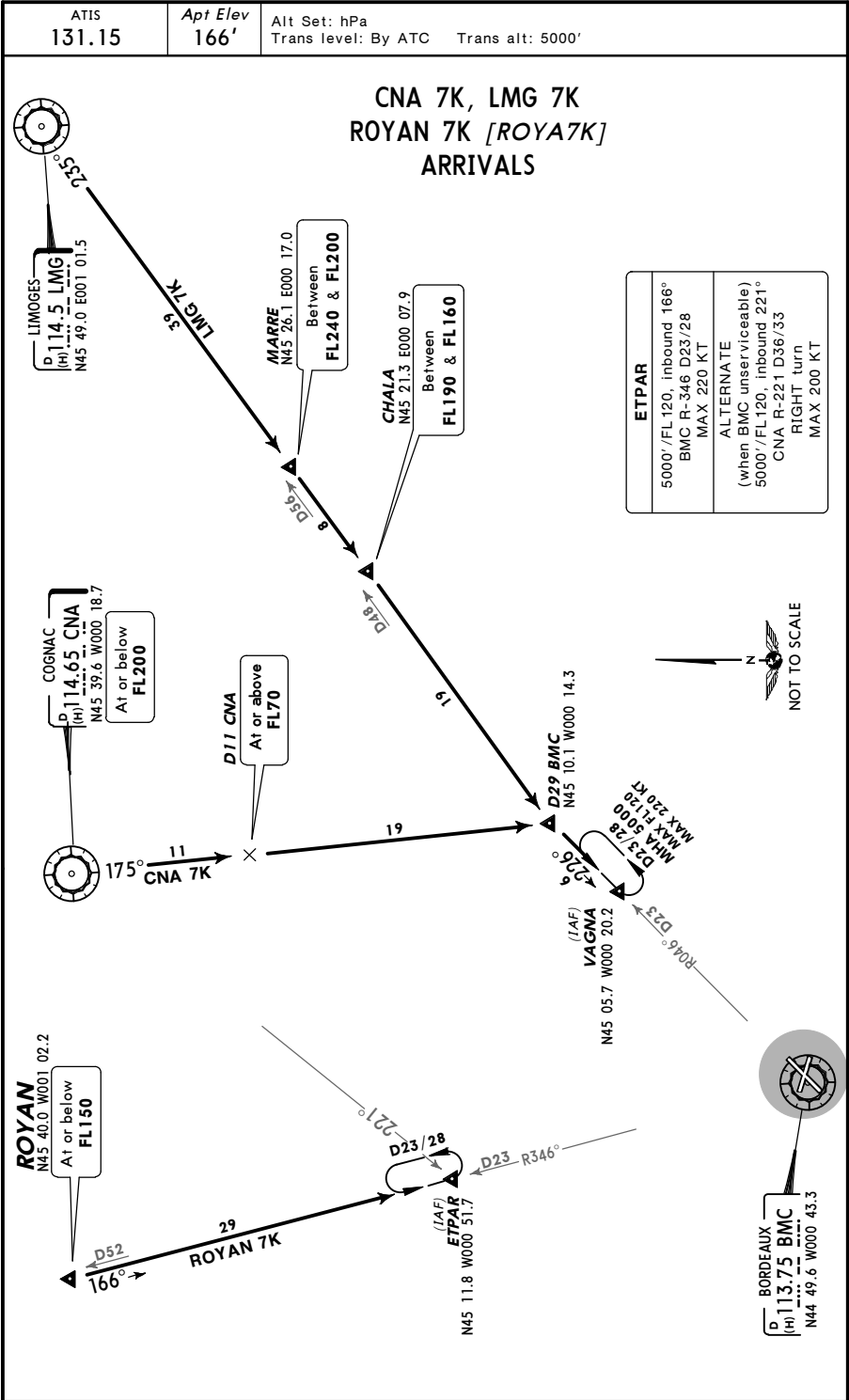
ROUTING

ENSAC (FL150-) - DIRAX.

LFB/DOD
MERIGNAC

JEPPesen
27 DEC 13 10-2C Eff 9 Jan

BORDEAUX, FRANCE
STAR



Alt Set: hPa
Trans level: By ATC Trans alt: 5000'

COGNAC
D 114.65 CNA
(H) N45 39.6 W000 18.7

ALTERNATE
(when BMC unserviceable)
5000'/FL120, inbound 175°
CNA R-175 D46/41
LEFT turn



At or below
FL 100

BORDEAUX
D
(H) 113.75 BMC
N44 49.6 W000 43.3

(IAF)
LIBRU
N44 53.4 W000 11.4

VELIN 7K

D39 BMC
N44 56.5
E000 10.7

374 BGC
N44 49.2 E000 37.2

D35 BMC
N44 55.5
E000 05.2
(SAU R-037)

D51 CNA
N44 53.2
E000 12.2
(CNA R-155)

BGO

11
MIRBA

MIRBA
N44 43.4 E000 19.6
(CNA R-155/D65)

At or below
FL 150

SAUVETERRE
(H) 116.8 SAU
N44 40.6 W000 09.2

LFBG/BOD
MERIGNAC

JEPPSEN
27 DEC 13 (10-2E) Eff 9 Jan

BORDEAUX, FRANCE
STAR

ATIS
131.15

Apt Elev
166'

Alt Set: hPa
Trans level: By ATC Trans alt: 5000'

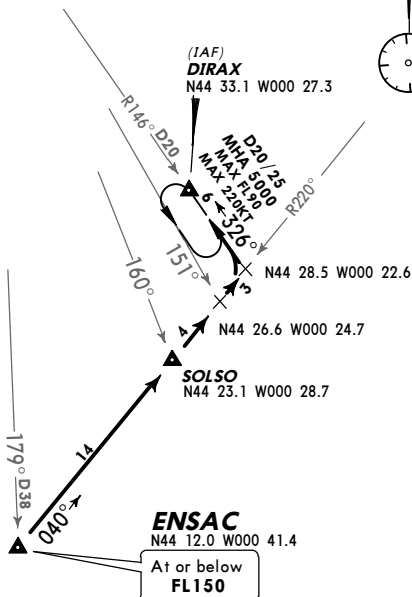
ENSAC 7K [ENSA7K]
ARRIVAL



BORDEAUX
(H) 113.75 BMC
N44 49.6 W000 43.3



SAUVETERRE
(H) 116.8 SAU
N44 40.6 W000 09.2



LFBF/BOD
MERIGNAC

6 MAR 15 **10-3**

BORDEAUX, FRANCE
RNAV SID

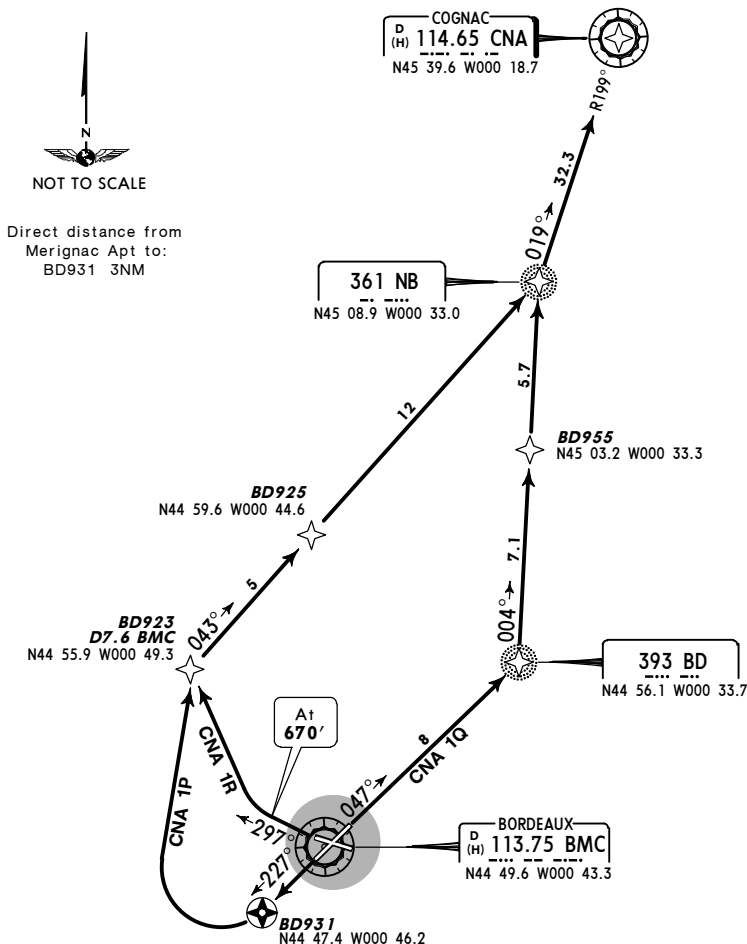
Apt Elev
166'

Trans level: By ATC Trans alt: 5000'

1. If unable to use RNAV SID inform "NON RNAV terminal area" in order to be allocated a conventional SID.

2. SIDs include minimum noise routings (refer to 10-4).

CNA 1P, CNA 1Q, CNA 1R
RWYS 23, 05, 29 RNAV DEPARTURES
RNAV 1 (GNSS)



These SIDs require minimum climb gradients of

CNA 1P: 4.8% up to 670'.

CNA 1Q: 6.3% up to 670'.

CNA 1R: 7.7% up to 670'.

If unable to comply advise ATC when requesting start-up.

Gnd speed-KT	75	100	150	200	250	300
4.8% V/V (fpm)	365	486	729	972	1215	1458
6.3% V/V (fpm)	478	638	957	1276	1595	1914
7.7% V/V (fpm)	585	780	1170	1560	1949	2339

Initial climb clearance: **FL70**

SID	RWY	ROUTING
CNA 1P	23	BD931 - BD923 - BD925 - NB - CNA.
CNA 1Q	05	BD - BD955 - NB - CNA.
CNA 1R	29	(670') - BD923 - BD925 - NB - CNA.

CHANGES: SID CNA 1R initial climb clearance.

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LFBD/BOD
MERIGNAC

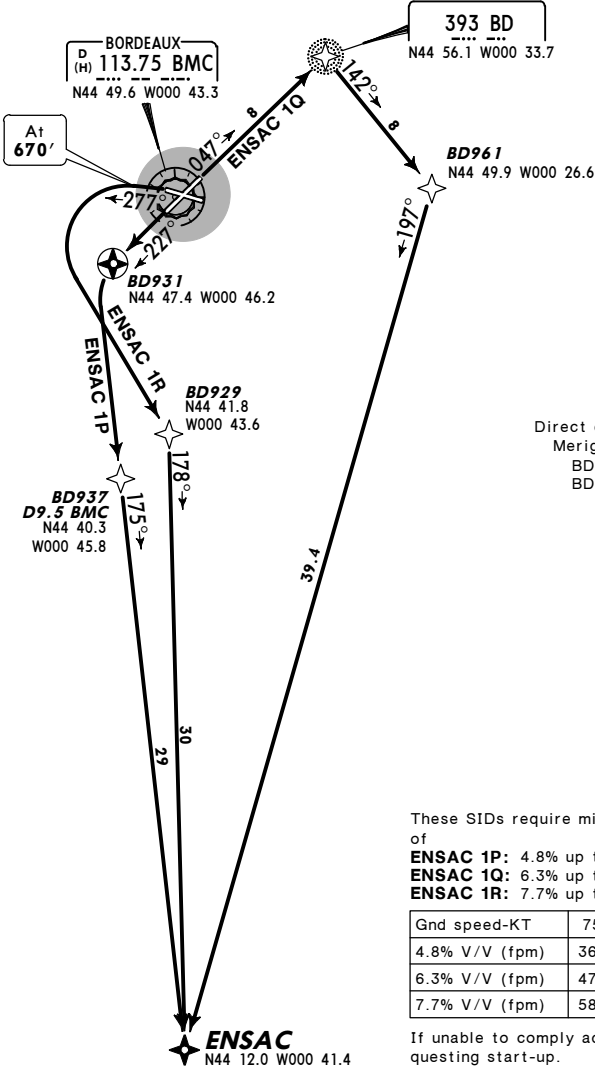
JEPPesen
6 MAR 15 10-3A

BORDEAUX, FRANCE
RNAV SID

Apt Elev
166'

Trans level: By ATC Trans alt: 5000'
1. If unable to use RNAV SID inform "NON RNAV terminal area" in order to be allocated a conventional SID.
2. SIDs include minimum noise routings (refer to 10-4).

ENSAC 1P [ENSA 1P]
ENSAC 1Q [ENSA 1Q]
ENSAC 1R [ENSA 1R]
RWYS 23, 05, 29 RNAV DEPARTURES
RNAV 1 (GNSS)



Direct distance from
Merignac Apt to:
BD931 3NM
BD929 8NM

These SIDs require minimum climb gradients
of
ENSAC 1P: 4.8% up to 670'.
ENSAC 1Q: 6.3% up to 670'.
ENSAC 1R: 7.7% up to 670'.

Gnd speed-KT	75	100	150	200	250	300
4.8% V/V (fpm)	365	486	729	972	1215	1458
6.3% V/V (fpm)	478	638	957	1276	1595	1914
7.7% V/V (fpm)	585	780	1170	1560	1949	2339

If unable to comply advise ATC when re-
questing start-up.

Initial climb clearance: **FL70**

SID	RWY	ROUTING
ENSAC 1P	23	BD931 - BD937 - ENSAC.
ENSAC 1Q	05	BD - BD961 - ENSAC.
ENSAC 1R	29	(670') - BD929 - ENSAC.

CHANGES: SID ENSAC 1R initial climb clearance.

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LFBG/BOD
MERIGNAC

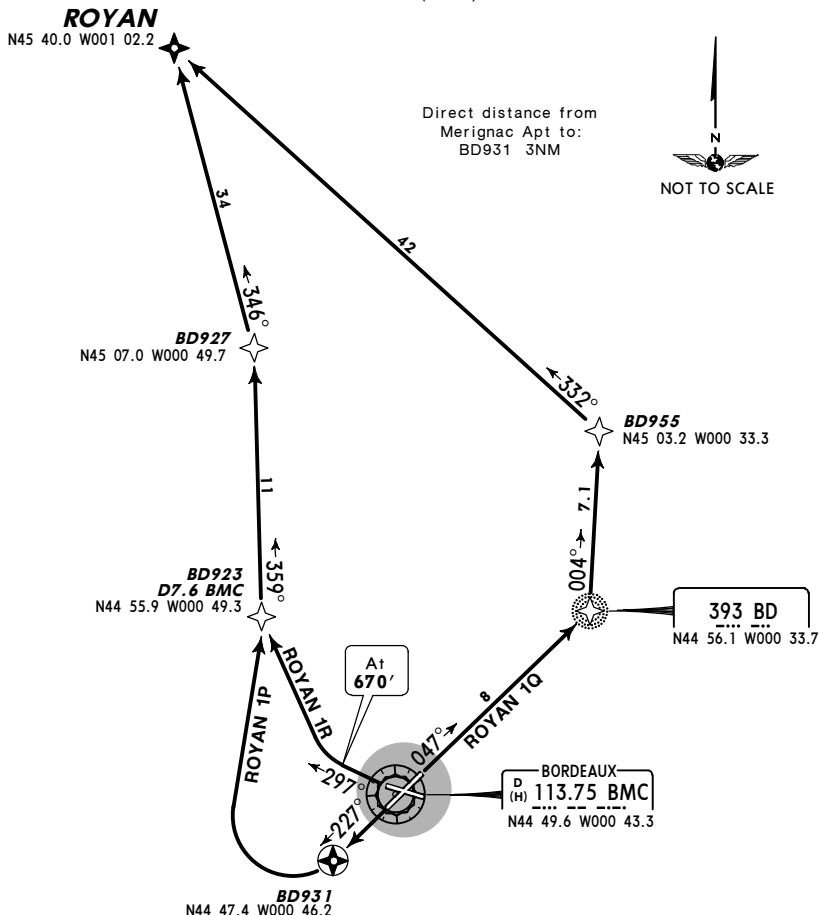
JEPPesen
6 MAR 15 10-3B

BORDEAUX, FRANCE
RNAV SID

Apt Elev
166'

Trans level: By ATC Trans alt: 5000'
1. If unable to use RNAV SID inform "NON RNAV terminal area" in order to be allocated a conventional SID.
2. SIDs include minimum noise routings (refer to 10-4).

ROYAN 1P [ROYA1P]
ROYAN 1Q [ROYA1Q]
ROYAN 1R [ROYA1R]
RWYS 23, 05, 29 RNAV DEPARTURES
RNAV 1 (GNSS)



These SIDs require minimum climb gradients of
ROYAN 1P: 4.8% up to 670'.
ROYAN 1Q: 6.3% up to 670'.
ROYAN 1R: 7.7% up to 670'.

Gnd speed-KT	75	100	150	200	250	300
4.8% V/V (fpm)	365	486	729	972	1215	1458
6.3% V/V (fpm)	478	638	957	1276	1595	1914
7.7% V/V (fpm)	585	780	1170	1560	1949	2339

If unable to comply advise ATC when re-
questing start-up.

Initial climb clearance: FL70

SID	RWY	ROUTING
ROYAN 1P	23	BD931 - BD923 - BD927 - ROYAN.
ROYAN 1Q	05	BD - BD955 - ROYAN.
ROYAN 1R	29	(670') - BD923 - BD927 - ROYAN.

LFBD/BOD
MERIGNAC

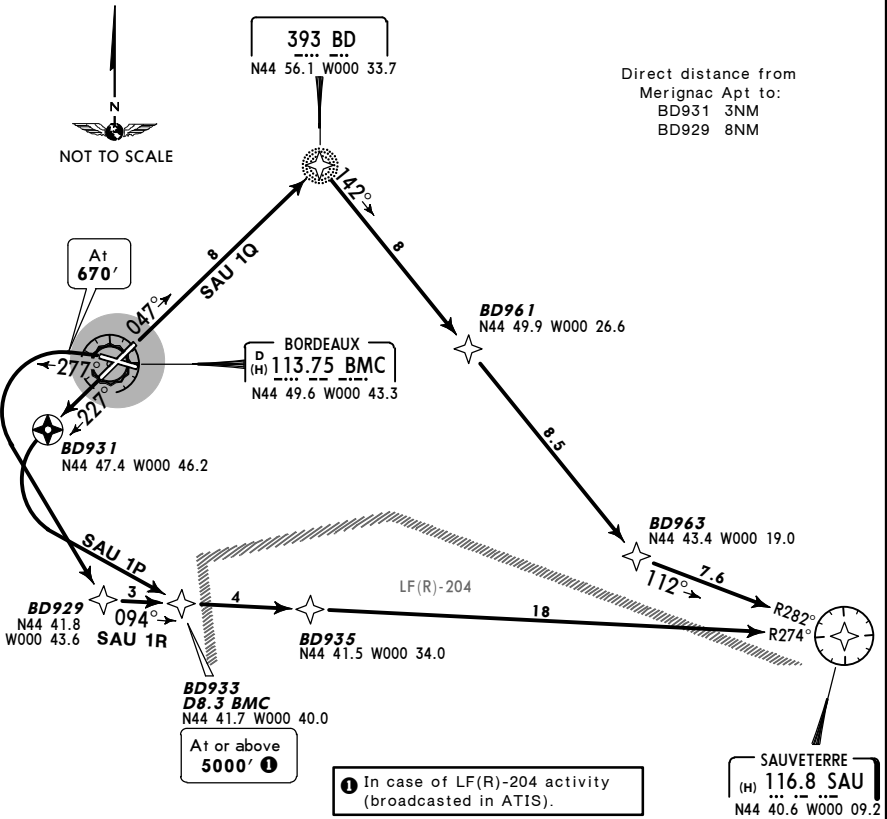
JEPPesen
6 MAR 15 10-3C

BORDEAUX, FRANCE
RNAV SID

Apt Elev
166'

Trans level: By ATC Trans alt: 5000'
1. If unable to use RNAV SID inform "NON RNAV terminal area" in order to be allocated a conventional SID.
2. SIDs include minimum noise routings (refer to 10-4).

SAU 1P, SAU 1Q, SAU 1R
RWYS 23, 05, 29 RNAV DEPARTURES
RNAV 1 (GNSS)



These SIDs require minimum climb gradients
of

SAU 1P: 4.8% up to 670', then
① 10.8% up to 6000'
for ATS purposes.

SAU 1Q: 6.3% up to 670'.

SAU 1R: 7.7% up to 670', then
① 8.4% up to 6000'
for ATS purposes.

If unable to comply advise ATC when re-
questing start-up.

Gnd speed-KT	75	100	150	200	250	300
4.8% V/V (fpm)	365	486	729	972	1215	1458
6.3% V/V (fpm)	478	638	957	1276	1595	1914
7.7% V/V (fpm)	585	780	1170	1560	1949	2339
8.4% V/V (fpm)	638	851	1276	1701	2127	2552
10.8% V/V (fpm)	820	1094	1641	2187	2734	3281

Initial climb clearance: **FL70**

SID	RWY	ROUTING
SAU 1P	23	BD931 - BD933 (5000'+ ①) - BD935 - SAU.
SAU 1Q	05	BD - BD961 - BD963 - SAU.
SAU 1R	29	(670') - BD929 - BD933 (5000'+ ①) - BD935 - SAU.

CHANGES: SID SAU 1R initial climb clearance.

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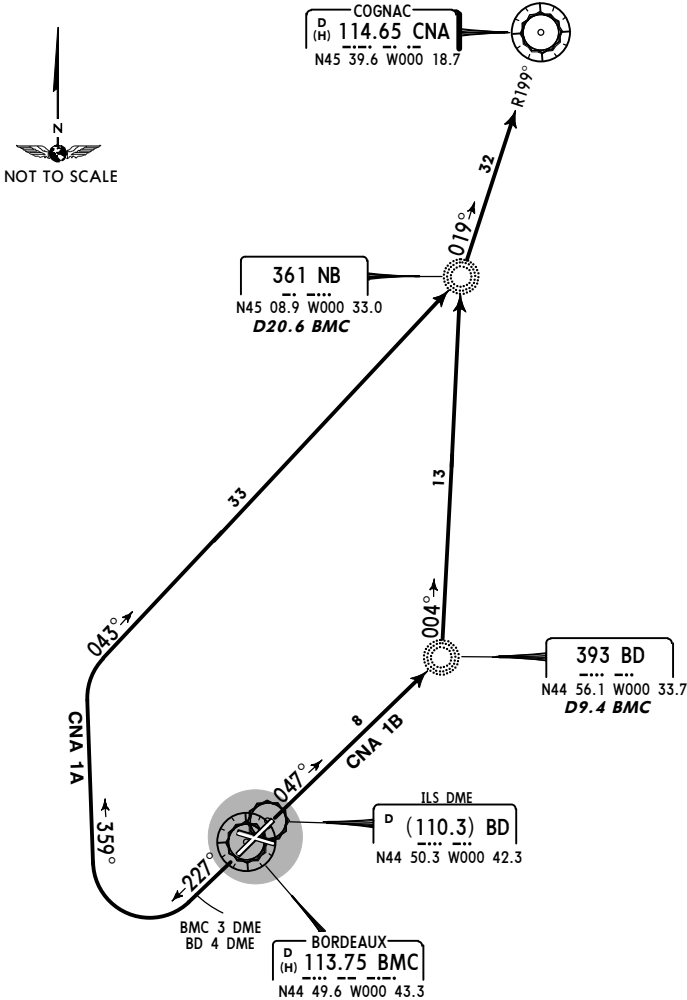
6 MAR 15 **10-3D**

BORDEAUX, FRANCE
SID

Apt Elev
166'

Trans level: By ATC Trans alt: 5000'
SIDs include minimum noise routings (refer to 10-4).

CNA 1A, CNA 1B
RWYS 23, 05 DEPARTURES



These SIDs require minimum climb gradients
of

CNA 1A: 4.8% up to 670'.

CNA 1B: 6.3% up to 670'.

If unable to comply advise ATC when re-
questing start-up.

Gnd speed-KT	75	100	150	200	250	300
4.8% V/V (fpm)	365	486	729	972	1215	1458
6.3% V/V (fpm)	478	638	957	1276	1595	1914

Initial climb clearance: **FL70**

SID	RWY	ROUTING
CNA 1A	23	Climb straight ahead to BMC 3 DME, turn RIGHT, 359° track, intercept 043° bearing to NB, then to CNA.
CNA 1B	05	Climb straight ahead (047° track) to BD NDB, turn LEFT to NB, then to CNA.

CHANGES: None.

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LFBD/BOD
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JEPPesen

6 MAR 15

10-3E

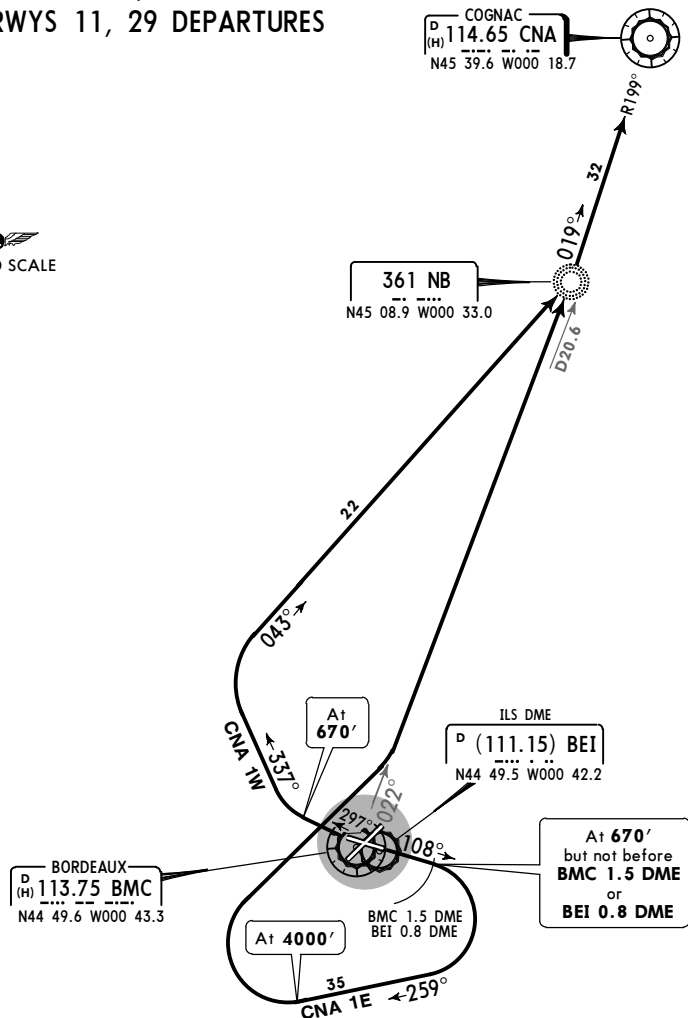
BORDEAUX, FRANCE

SID

Apt Elev
166'

Trans level: By ATC Trans alt: 5000'
SIDs include minimum noise routings (refer to 10-4).

CNA 1E, CNA 1W
RWYS 11, 29 DEPARTURES



These SIDs require minimum climb gradients
of

CNA 1E: 3.7% up to 670'.

CNA 1W: 7.7% up to 670'.

If unable to comply advise ATC when re-
questing start-up.

Gnd speed-KT	75	100	150	200	250	300
3.7% V/V (fpm)	281	375	562	749	937	1124
7.7% V/V (fpm)	585	780	1170	1560	1949	2339

Initial climb clearance: **FL70**

SID	RWY	ROUTING
CNA 1E	11	Climb straight ahead to 670', turn RIGHT not before BMC 1.5 DME or BEI 0.8 DME, 259° track, at 4000' turn RIGHT, intercept BMC R-022 to NB, then to CNA.
CNA 1W	29	Climb on 297° track to 670', turn RIGHT, 337° track, intercept 043° bearing to NB, then to CNA.

CHANGES: SID CNA 1E initial climb clearance.

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LFBF/BOD
MERIGNAC

JEPPesen
6 MAR 15 10-3F

BORDEAUX, FRANCE
SID

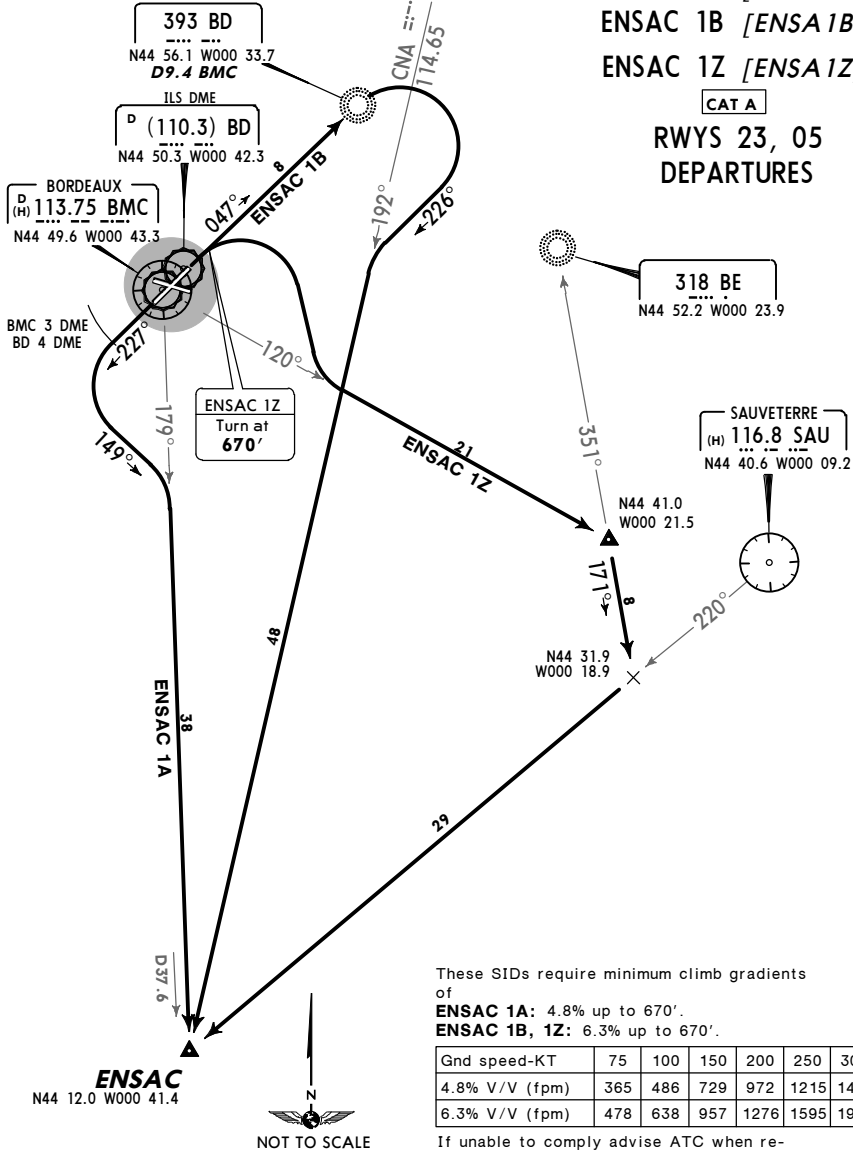
Apt Elev
166'

Trans level: By ATC Trans alt: 5000'
SIDs include minimum noise routings (refer to 10-4).

ENSAC 1A [ENSA 1A]
ENSAC 1B [ENSA 1B]
ENSAC 1Z [ENSA 1Z]

CAT A

RWYS 23, 05
DEPARTURES



Initial climb clearance: ENSAC 1A, 1B: **FL70** /ENSAC 1Z: **4000'**

SID	RWY	ROUTING
ENSAC 1A ①	23	Climb straight ahead to BMC 3 DME, turn LEFT, 149° track, intercept BMC R-179 to ENSAC.
ENSAC 1B	05	Climb straight ahead (047° track) to BD NDB, turn RIGHT, 226° track, intercept CNA R-192 to ENSAC.
ENSAC 1Z ①		Climb straight ahead to 670', turn RIGHT, intercept BMC R-120, intercept 171° bearing from BE, intercept SAU R-220 to ENSAC.

① Flights to LFBZ are limited to FL140.

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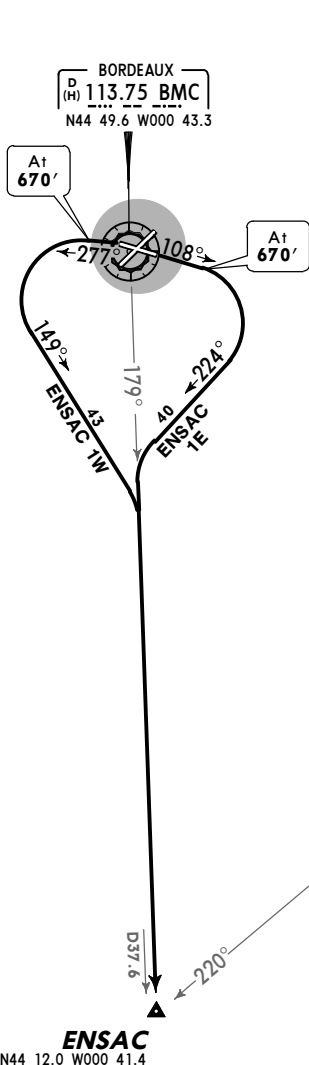
JEPPesen
6 MAR 15 (10-3G)

BORDEAUX, FRANCE
SID

Apt Elev
166'

Trans level: By ATC Trans alt: 5000'
SIDs include minimum noise routings (refer to 10-4).

ENSAC 1E [ENSA1E]
ENSAC 1W [ENSA1W]
RWYS 11, 29 DEPARTURES



These SIDs require minimum climb gradients of

ENSAC 1E: 3.7% up to 670'.

ENSAC 1W: 7.7% up to 670'.

If unable to comply advise ATC when requesting start-up.

Gnd speed-KT	75	100	150	200	250	300
3.7% V/V (fpm)	281	375	562	749	937	1124
7.7% V/V (fpm)	585	780	1170	1560	1949	2339

Initial climb clearance: **FL70**

SID	RWY	ROUTING
ENSAC 1E	11	Climb straight ahead to 670', turn RIGHT, 224° track, intercept BMC R-179 to ENSAC.
ENSAC 1W	29	Climb on 277° track to 670', turn LEFT, 149° track, intercept BMC R-179 to ENSAC.

CHANGES: SID ENSAC 1E initial climb clearance.

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LFBF/BOD
MERIGNAC

JEPPesen
6 MAR 15 (10-3H)

BORDEAUX, FRANCE
SID

Apt Elev
166'

Trans level: By ATC Trans alt: 5000'
SIDs include minimum noise routings (refer to 10-4).

ROYAN
N45 40.0
W001 02.2

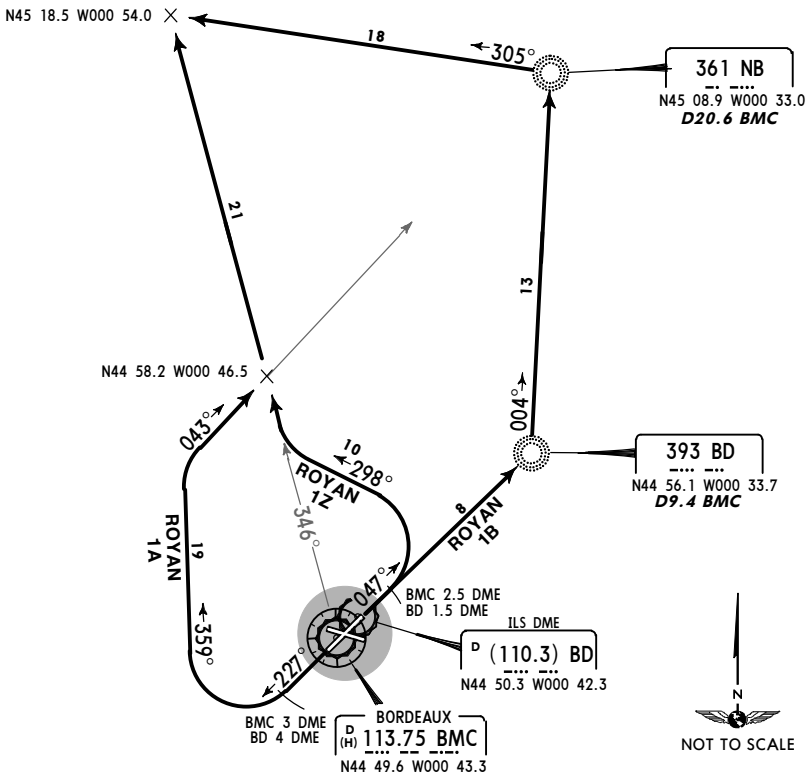
ROYAN 1A [ROYA1A]

ROYAN 1B [ROYA1B]

ROYAN 1Z [ROYA1Z]

CAT A

RWYS 23, 05 DEPARTURES



These SIDs require minimum climb gradients of
ROYAN 1A: 4.8% up to 670'.
ROYAN 1B, 1Z: 6.3% up to 670'.
If unable to comply advise ATC when re-requesting start-up.

Gnd speed-KT	75	100	150	200	250	300
4.8% V/V (fpm)	365	486	729	972	1215	1458
6.3% V/V (fpm)	478	638	957	1276	1595	1914

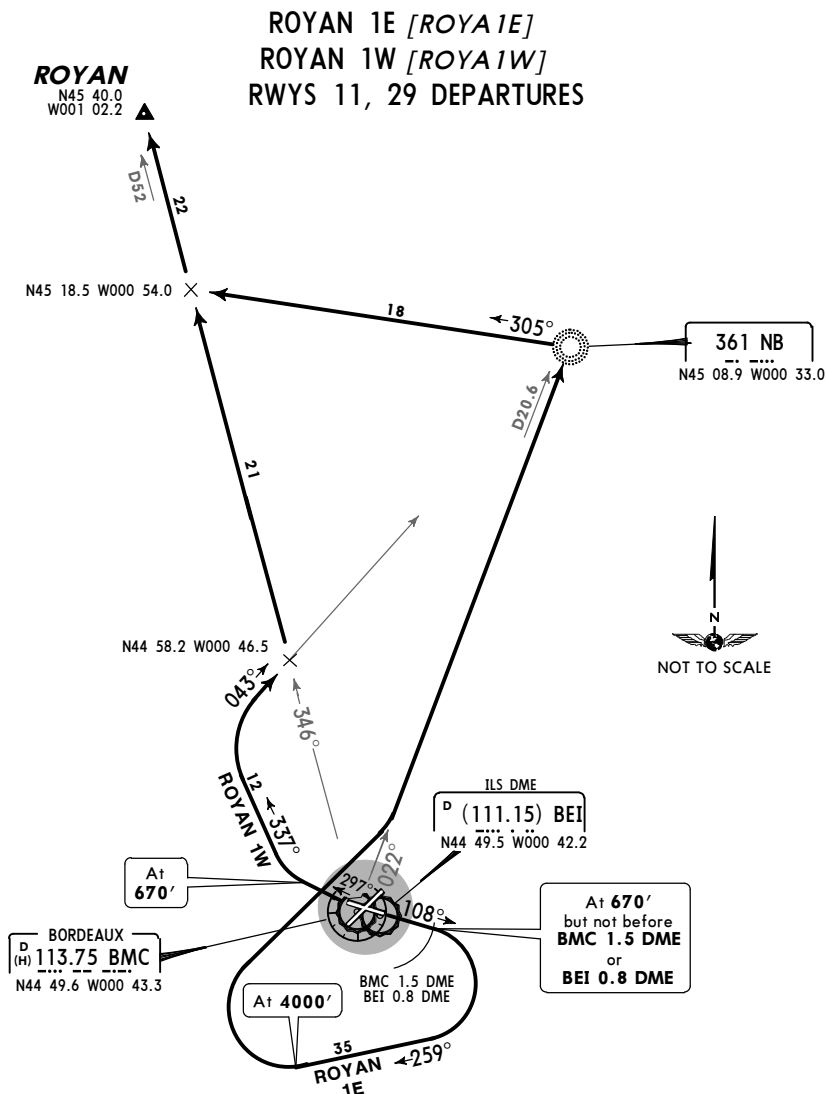
Initial climb clearance: ROYAN 1A, 1B: **FL70** /ROYAN 1Z: **4000'**

SID	RWY	ROUTING
ROYAN 1A	23	Climb straight ahead to BMC 3 DME, turn RIGHT, 359° track, intercept 043° bearing towards NB, turn LEFT, intercept BMC R-346 to ROYAN.
ROYAN 1B	05	Climb straight ahead (047° track) to BD NDB, turn LEFT to NB, turn LEFT, 305° bearing, intercept BMC R-346 to ROYAN.
ROYAN 1Z		Climb straight ahead to BMC 2.5 DME, turn LEFT, 298° track, intercept BMC R-346 to ROYAN.

1 Flights to LFBH are limited to FL140.

Apt Ele
166'

Trans level: By ATC Trans alt: 5000'
SIDs include minimum noise routings (refer to 10-4).



These SIDs require minimum climb gradients of

ROYAN 1E: 3.7% up to 670'.

ROYAN 1W: 7.7% up to 670'.

If unable to comply advise ATC when requesting start-up.

Gnd speed-KT	75	100	150	200	250	300
3.7% V/V (fpm)	281	375	562	749	937	1124
7.7% V/V (fpm)	585	780	1170	1560	1949	2339

Initial climb clearance: **FL70**

SID	RWY	ROUTING
ROYAN 1E	11	Climb straight ahead to 670', turn RIGHT not before BMC 1.5 DME or BEI 0.8 DME, 259° track, at 4000' turn RIGHT, intercept BMC R-022 to NB, turn LEFT, 305° bearing, intercept BMC R-346 to ROYAN.
ROYAN 1W	29	Climb on 29° track to 670', turn RIGHT, 337° track, intercept 043° bearing towards NB, intercept BMC R-346 to ROYAN.

CHANGES: SID ROYAN 1E initial climb clearance.

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LFBD/BOD
MERIGNAC

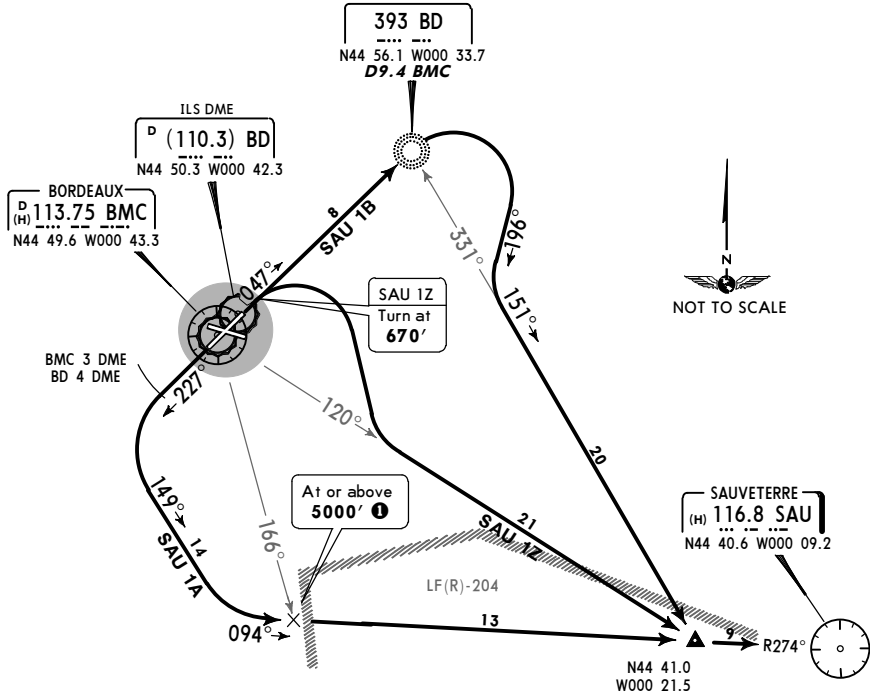
JEPPesen
6 MAR 15 (10-3K)

BORDEAUX, FRANCE
SID

Apt Elev
166'

Trans level: By ATC Trans alt: 5000'
SIDs include minimum noise routings (refer to 10-4).

SAU 1A, SAU 1B
SAU 1Z
CAT A
RWYS 23, 05 DEPARTURES



① In case of LF(R)-204 activity (broadcast in ATIS).

These SIDs require minimum climb gradients of

SAU 1A: 4.8% up to 670'
① 10.4% up to 6000' for ATS purposes.

SAU 1B, 1Z: 6.3% up to 670'.
If unable to comply advise ATC when requesting start-up.

Gnd speed-KT	75	100	150	200	250	300
4.8% V/V (fpm)	365	486	729	972	1215	1458
6.3% V/V (fpm)	478	638	957	1276	1595	1914
10.4% V/V (fpm)	790	1053	1580	2106	2633	3160

Initial climb clearance: SAU 1A, 1B: **FL70** /SAU 1Z: **4000'**

SID	RWY	ROUTING
SAU 1A ②	23	Climb straight ahead to BMC 3 DME, turn LEFT, 149° track, intercept SAU R-274 inbound to SAU.
SAU 1B	05	Climb straight ahead (047° track) to BD NDB, turn RIGHT, intercept 151° bearing from BD, intercept SAU R-274 inbound to SAU.
SAU 1Z ②		Climb straight ahead to 670', turn RIGHT, intercept BMC R-120, intercept SAU R-274 inbound to SAU.

② Flights to LFBE are limited to FL140.

CHANGES: SID SAU 1B initial climb clearance.

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LFBD/BOD
MERIGNAC

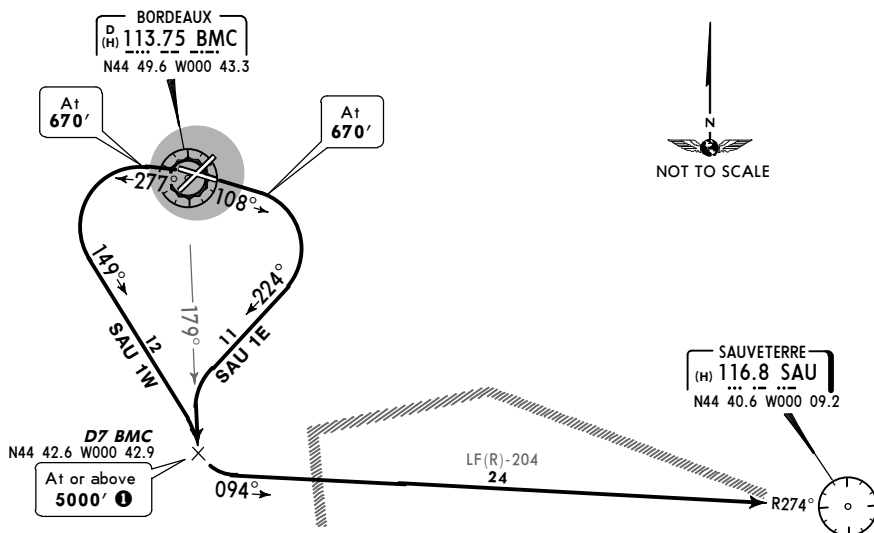
JEPPesen
6 MAR 15 (10-3L)

BORDEAUX, FRANCE
SID

Apt Elev
166'

Trans level: By ATC Trans alt: 5000'
SIDs include minimum noise routings (refer to 10-4).

SAU 1E, SAU 1W RWYS 11, 29 DEPARTURES



❶ In case of LF(R)-204 activity
(broadcasted in ATIS).

These SIDs require minimum climb gradients

SAU 1E:
3.7% up to 670'
❶ 8.8% up to 6000'
for ATS purposes.
SAU 1W:
7.7% up to 670'
❶ 8.8% up to 6000'
for ATS purposes.

If unable to comply advise ATC when re-
questing start-up.

Gnd speed-KT	75	100	150	200	250	300
3.7% V/V (fpm)	281	375	562	749	937	1124
7.7% V/V (fpm)	585	780	1170	1560	1949	2339
8.8% V/V (fpm)	668	891	1337	1782	2228	2673

Initial climb clearance: **FL70**

SID	RWY	ROUTING
SAU 1E	11	Climb straight ahead to 670', turn RIGHT, 224° track, intercept BMC R-179, intercept SAU R-274 inbound to SAU.
SAU 1W	29	Climb on 277° track to 670', turn LEFT, 149° track, intercept BMC R-179, intercept SAU R-274 inbound to SAU.

RWYS 23, 05, 11, 29 OMNIDIRECTIONAL DEPARTURES - BY ATC

These departures require minimum climb
gradients of

RWY 23: 4.8% up to 670'.
RWY 05: 6.3% up to 670'.
RWY 11: 3.7% up to 670'.
RWY 29: 7.7% up to 670'.

If unable to comply advise ATC when re-
questing start-up.

Gnd speed-KT	75	100	150	200	250	300
7.7% V/V(fpm)	585	780	1170	1560	1949	2339
6.3% V/V(fpm)	479	638	957	1276	1595	1914
4.8% V/V(fpm)	365	486	729	972	1215	1458
3.7% V/V(fpm)	281	375	562	749	937	1124

RWY	ROUTING
23	Climb on 227° track to 670', then depart omnidirectional climbing to enroute safe altitude.
05	Climb on 047° track to 670', then depart omnidirectional climbing to enroute safe altitude.
11	Climb on 108° track to 670', then depart omnidirectional climbing to enroute safe altitude.
29	Climb on 288° track to 670', then depart omnidirectional climbing to enroute safe altitude.

CHANGES: SID SAU 1E initial climb clearance.

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**LFBD/BOD
MERIGNAC**

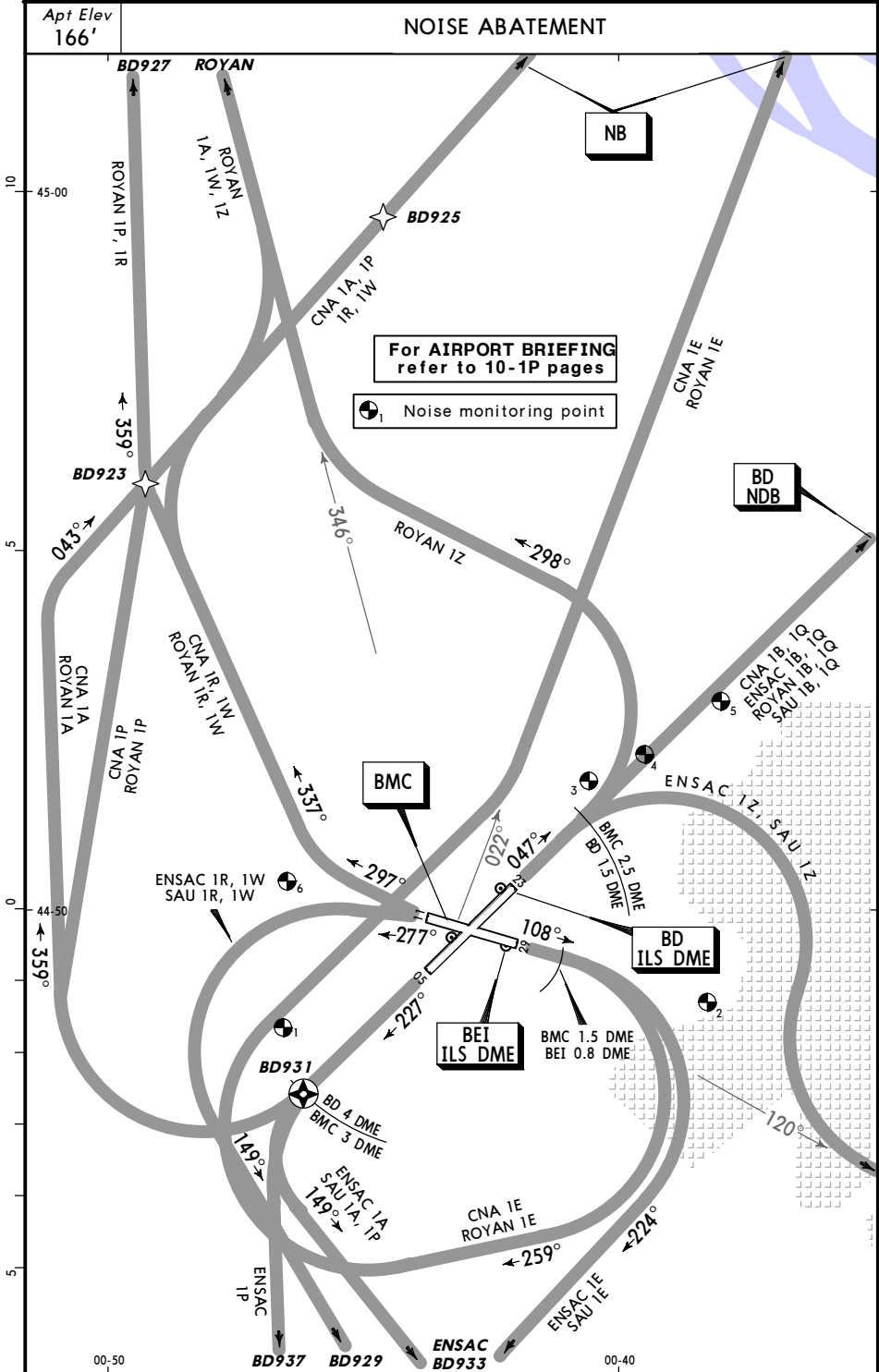
12 DEC 14

JEPPESSEN

10-4

BORDEAUX, FRANCE

NOISE



CHANGES: Noise monitoring points installed.

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LFBD/BOD
MERIGNAC

 **JEPPESSEN**
12 DEC 14 (10-4A)

BORDEAUX, FRANCE
NOISE

Apt Elev
166'

NOISE ABATEMENT

NOISE MEASUREMENTS

 Noise monitoring point

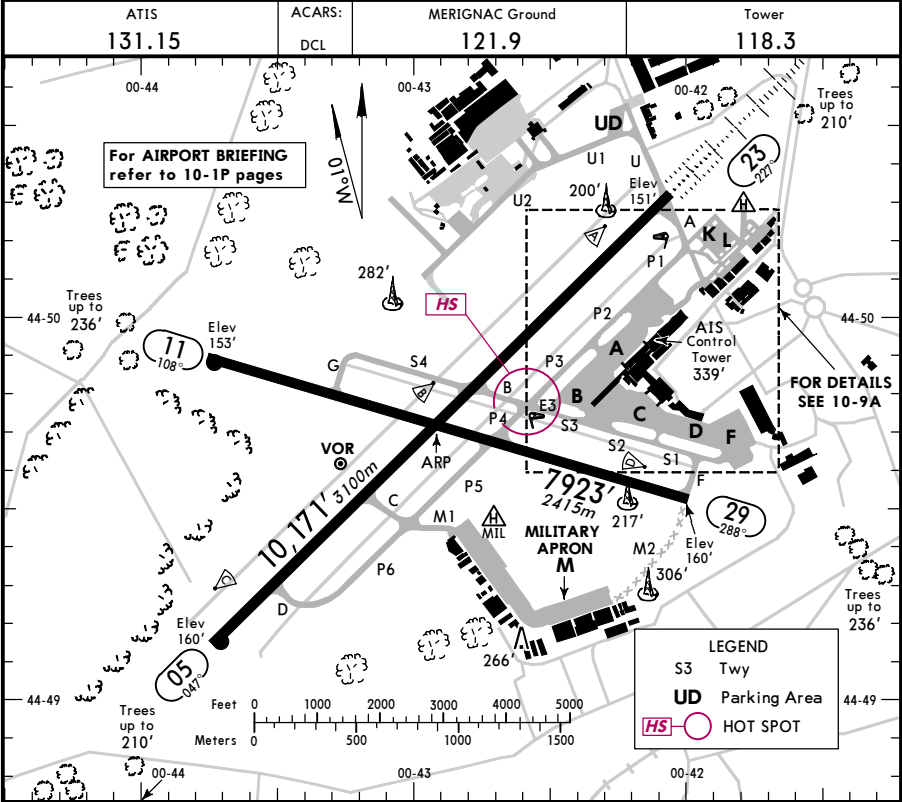
NOISE MONITORING POINT/NAME/LOCATION		
 ₁	Saint Jean d'Illac (Les Badines)	N44 48.4 W000 46.6
 ₂	Pessac (Noes)	N44 48.7 W000 38.3
 ₃	Le Haillan (La Morandiere)	N44 51.8 W000 40.6
 ₄	Eysines (CTM)	N44 52.2 W000 39.5
 ₅	Eysines (Claverie)	N44 52.9 W000 38.0
 ₆	Martignas sur Jalle	N44 50.4 W000 46.5

(1-5) Fixed noise measurement points.
(6) Mobile noise measurement point.

LFBD/BOD
Apt Elev **166'**
N44 49.7 W000 42.9

JEPPesen
1 AUG 14 **(10-9)**

BORDEAUX, FRANCE
MERIGNAC



ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS				WIDTH
		LANDING BEYOND		TAKE-OFF		
		Threshold	Glide Slope			
05	HIRL ① CL ② REIL PAPI-L(3.4°)	RVR		8858' 2700m ③	148'	
23	HIRL ① CL ② HIALS-II TDZ REIL PAPI-L(3.0°)	RVR	9200' 2804m		45m	
① spacing 60m. ② spacing 15m.						
③ For heavy acft full rwy length on request.						
11	HIRL (50m) REIL PAPI-L(3.3°)				148'	
29	HIRL (50m) REIL PAPI-L(3.0°)	RVR	6952' 2119m		45m	

HOT SPOT

(For information only, not to be construed as ATC instructions.)

- HS** RWY 05: From Twy S3 use Twy P4, do not taxi on B.
RWY 11: From Twy P3 use Twy B, do not taxi on P4.
RWY 23: From Twy S3 use Twy P3, do not confuse with E3, do not taxi on B.
RWY 29: From Twy P3 use Twy S3, do not taxi on P4.

Standard

TAKE-OFF 1

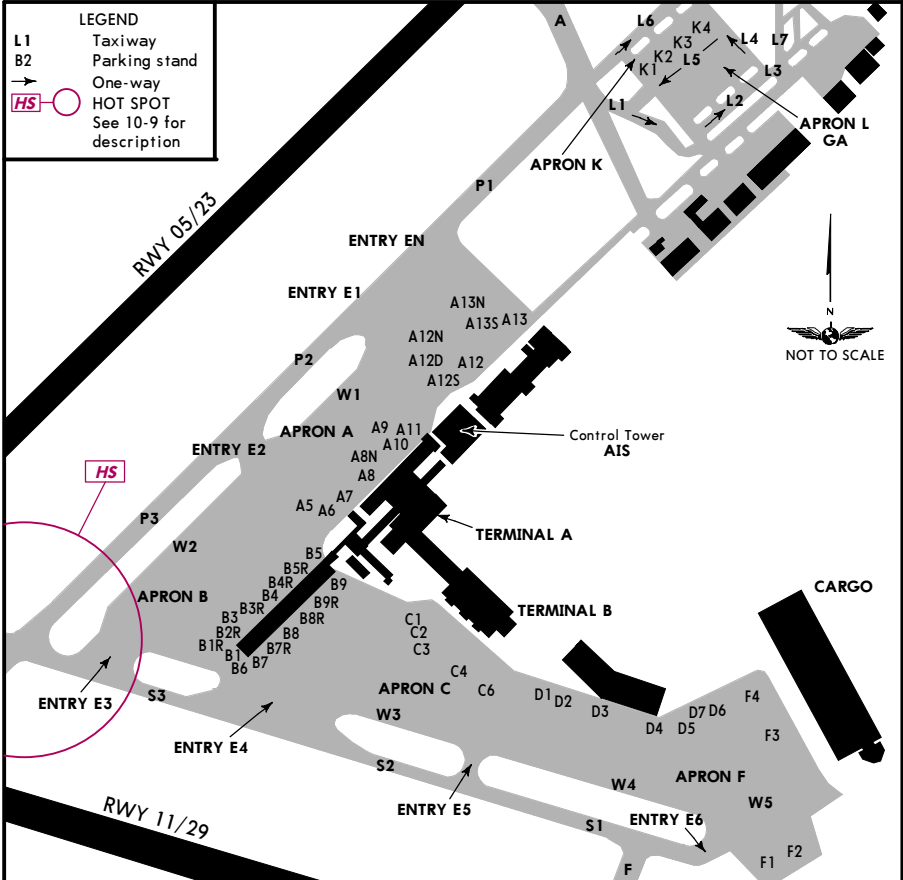
LVP must be in Force						
	Approved Operators HIRL, CL & mult. RVR req	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A						
B	125m	150m	200m	250m	400m	500m
C						
D	150m	200m	250m	300m		

- ① Operators applying U.S. Ops Specs: CL required below 300m; approved HUD required below 150m.
② CAT ABCD 75m with approved HUD.

LFBG/BOD

JEPPesen
1 AUG 14 (10-9A)

BORDEAUX, FRANCE
MERIGNAC



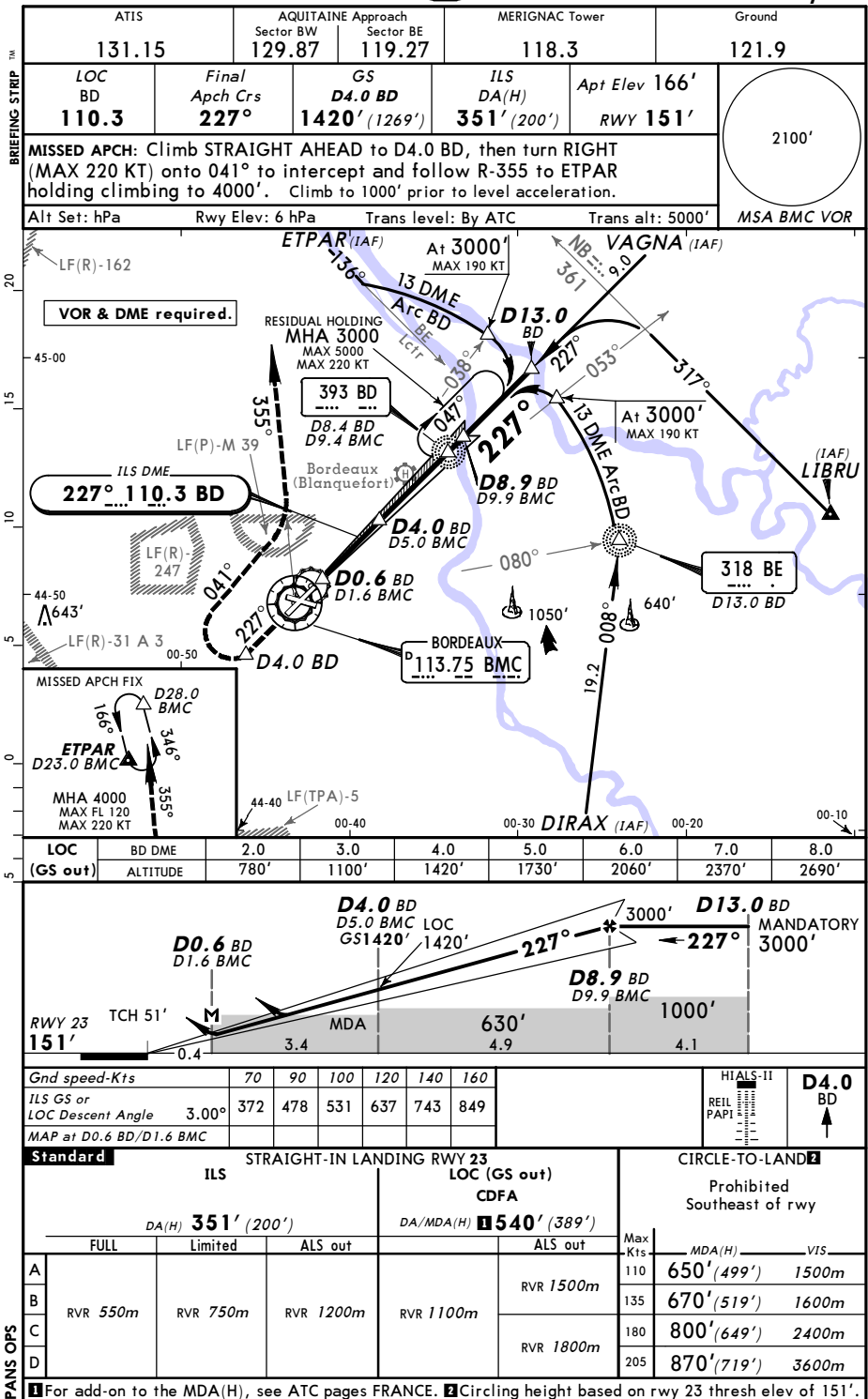
INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
A5, A6	N44 49.9 W000 42.3	F1, F2	N44 49.6 W000 41.8
A7 thru A11	N44 49.9 W000 42.2	F3, F4	N44 49.7 W000 41.8
A12 thru A13S	N44 50.0 W000 42.1	K1 thru K4	N44 50.2 W000 41.9
B1 thru B3R	N44 49.8 W000 42.4		
B4 thru B8R	N44 49.8 W000 42.3		
B9, B9R	N44 49.8 W000 42.2		
C1 thru C3	N44 49.8 W000 42.2		
C4, C6	N44 49.8 W000 42.1		
D1 thru D3	N44 49.7 W000 42.0		
D4 thru D7	N44 49.7 W000 41.9		

LFBD/BOD
MERIGNAC

JEPPESEN
19 APR 13 (1-1) Eff 2 May

BORDEAUX, FRANCE
ILS or LOC Rwy 23



,20

5

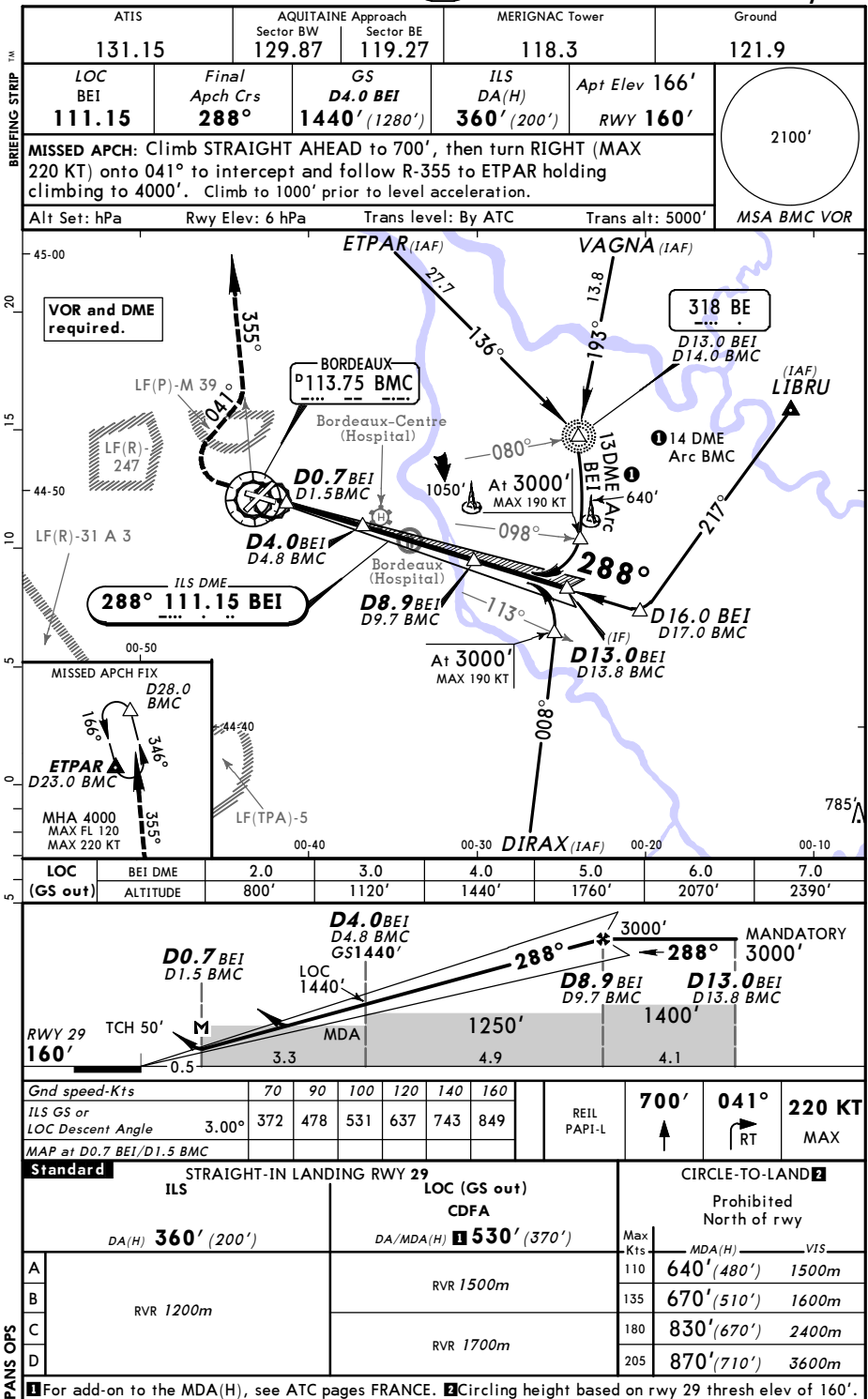
PANS OPS

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**LFBD/BOD
MERIGNAC**

JEPPesen
26 APR 13 **(11-3)** **Eff 2 May**

BORDEAUX, FRANCE
ILS or LOC Rwy 29

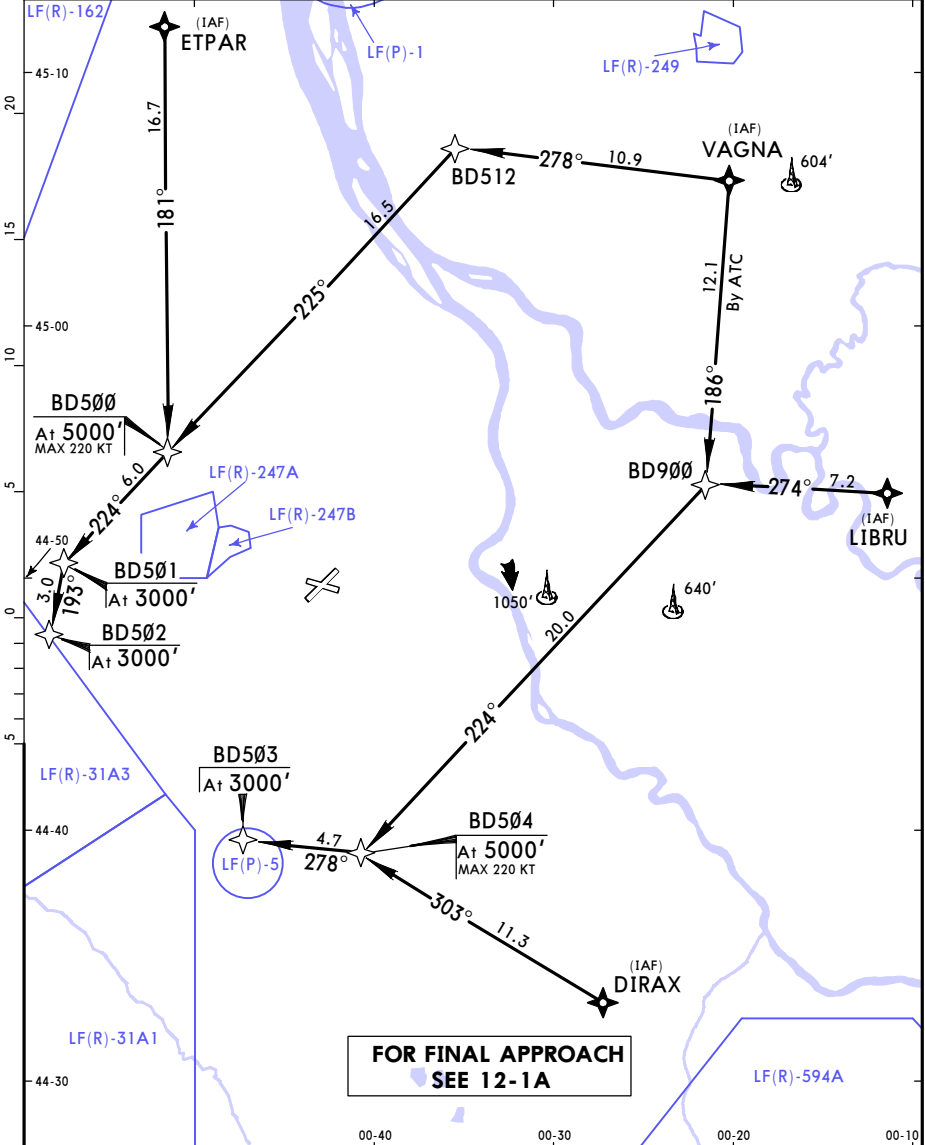


LFBD/BOD
MERIGNAC

JEPPesen
23 OCT 15 **(12-1)**

BORDEAUX, FRANCE
RNAV (GNSS) Rwy 05

ATIS 131.150	AQUITAINE Approach Sector BW 129.875	Approach Sector BE 119.275	MERIGNAC Tower 118.3	Ground 121.9	2100'
EGNOS Ch 63352 E05A	Final ApcH Crs 046°	Procedure Alt Refer to chart 12-1A	DA/MDA(H) Refer to chart 12-1A	Apt Elev 166' Rwy 160'	
Alt Set: hPa	Apt Elev: 6 hPa	Trans level: By ATC	Trans alt: 5000'	MSA ARP	

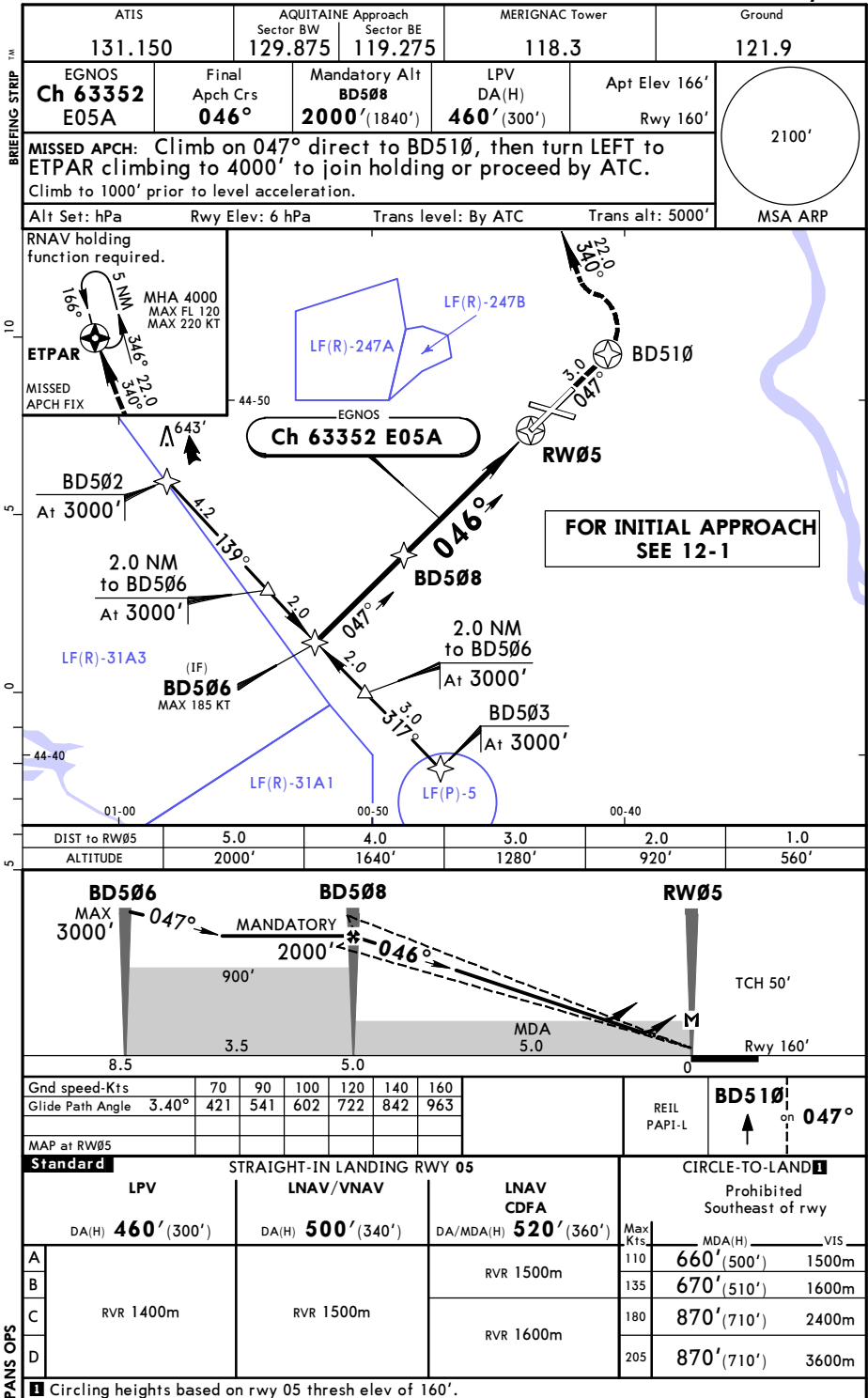


HOLDING FIXES RNAV holding function required. MAX 220 KT, 5NM leg			
ETPAR MHA 5000 MAX FL 120 166° 346°	VAGNA MHA 5000 MAX FL 120 226° 046°	LIBRU MHA 5000 MAX FL 120 261° 081°	DIRAX MHA 5000 MAX FL 090 325° 146°

LFBD/BOD
MERIGNAC

JEPPesen
23 OCT 15 (12-1A)

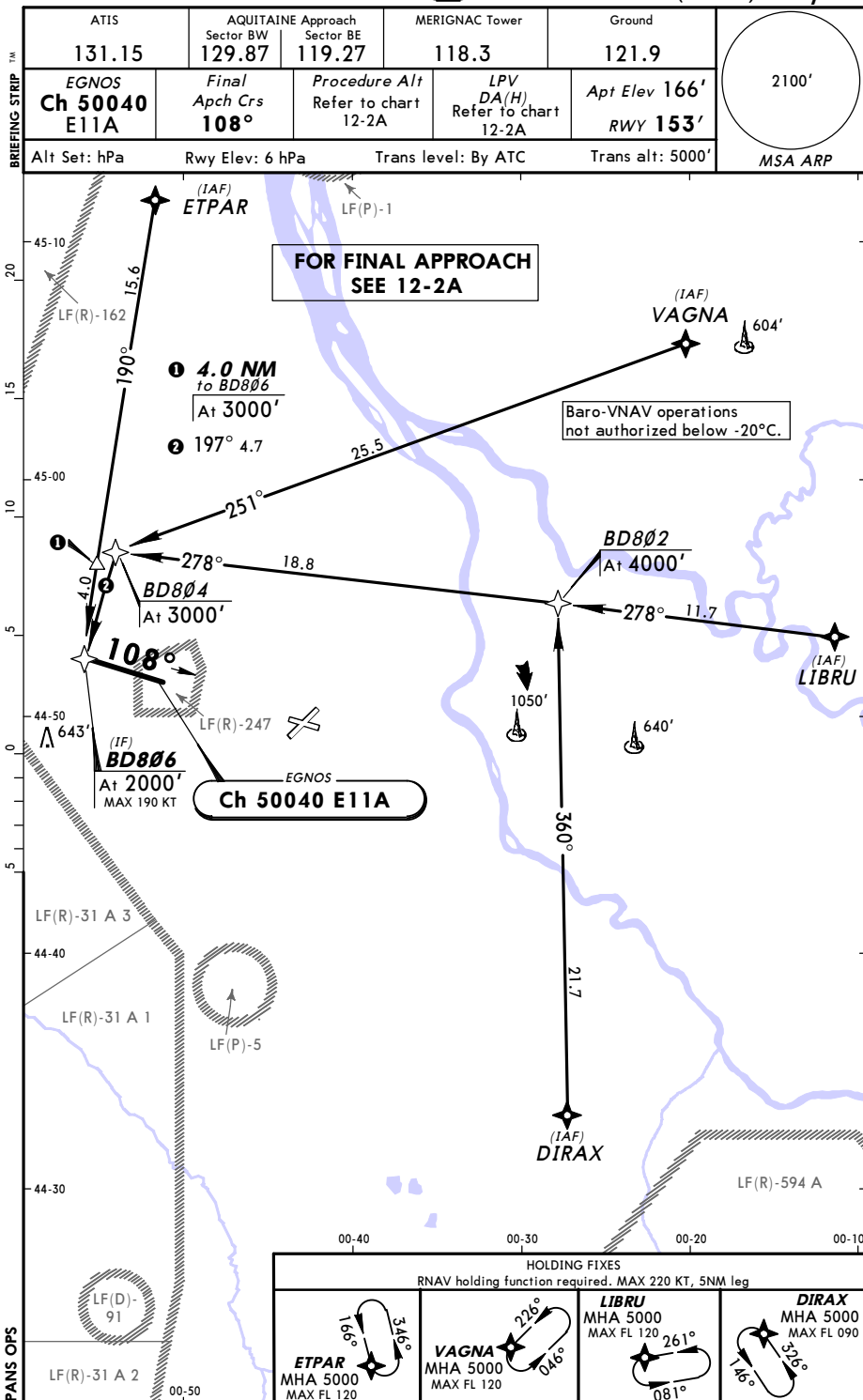
BORDEAUX, FRANCE
RNAV (GNSS) Rwy 05



LFBG/BOD
MERIGNAC

JEPPESEN
30 JAN 15 (12-2) Eff 5 Feb

BORDEAUX, FRANCE
RNAV (GNSS) Rwy 11



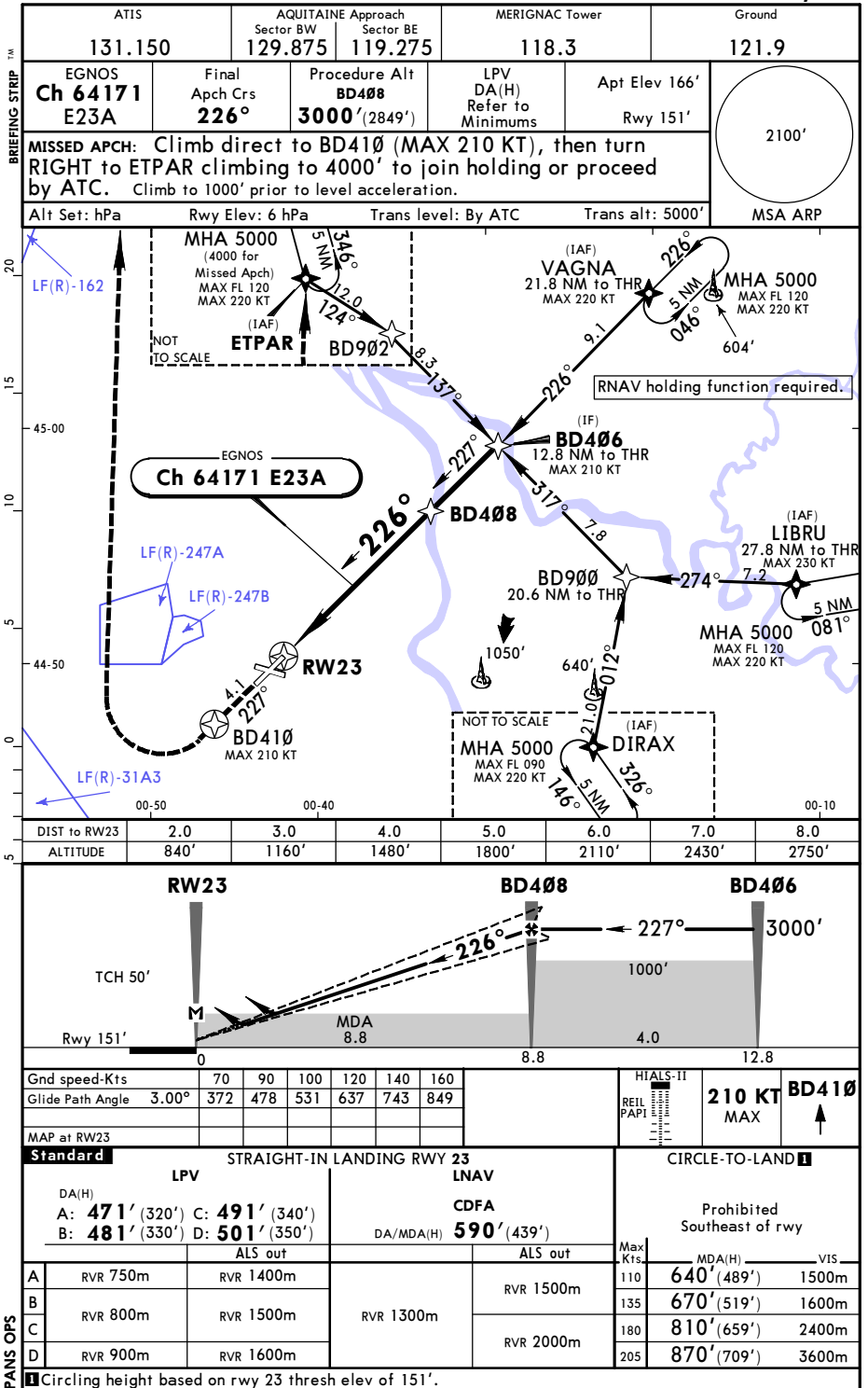
CHANGES: Procedure.

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LFBG/BOD
MERIGNAC

JEPPesen
23 OCT 15 (12-3)

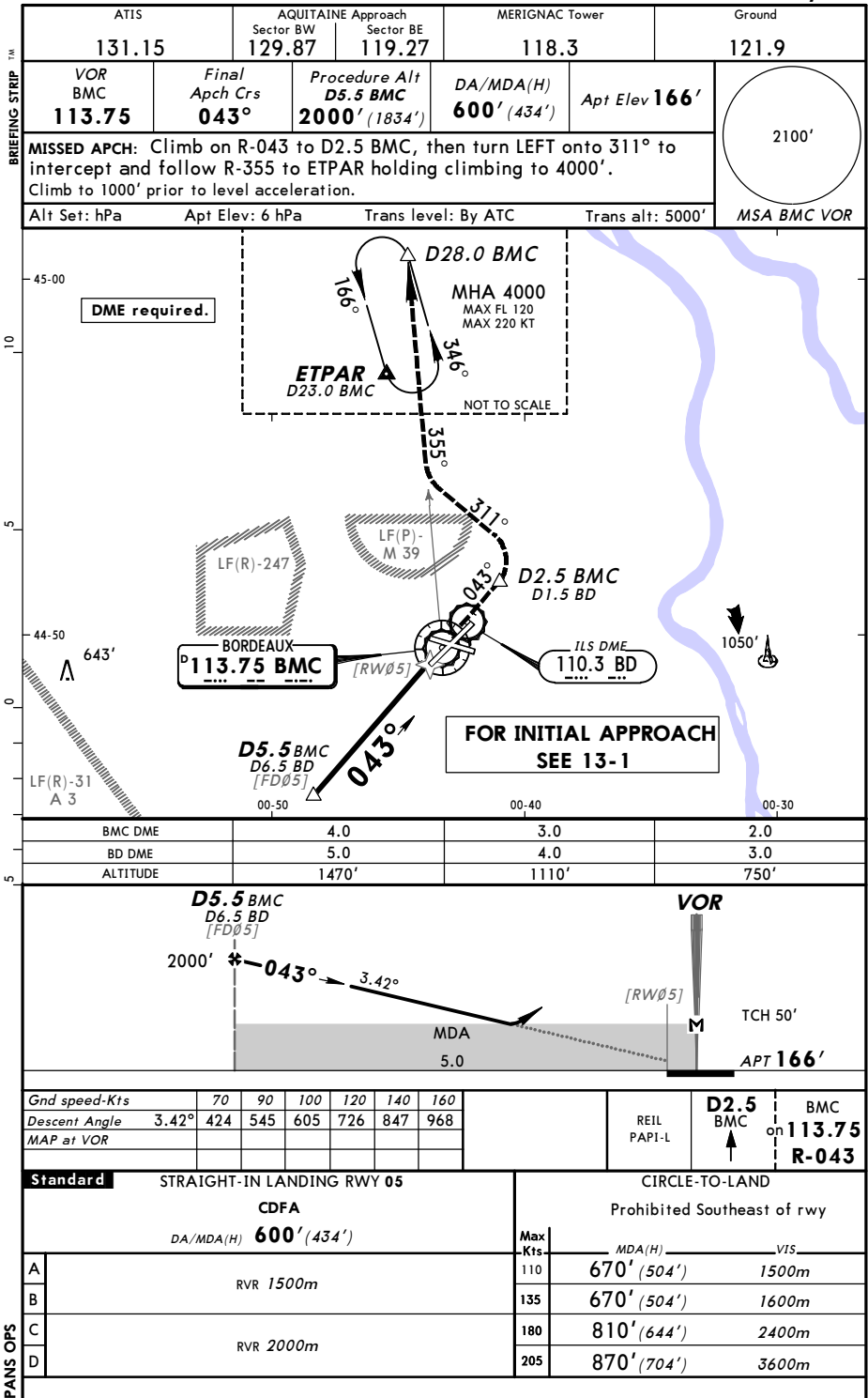
BORDEAUX, FRANCE
RNAV (GNSS) Rwy 23



LFBD/BOD
MERIGNAC

JEPPesen
19 APR 13 (13-1A) Eff 2 May

BORDEAUX, FRANCE
VOR Rwy 05



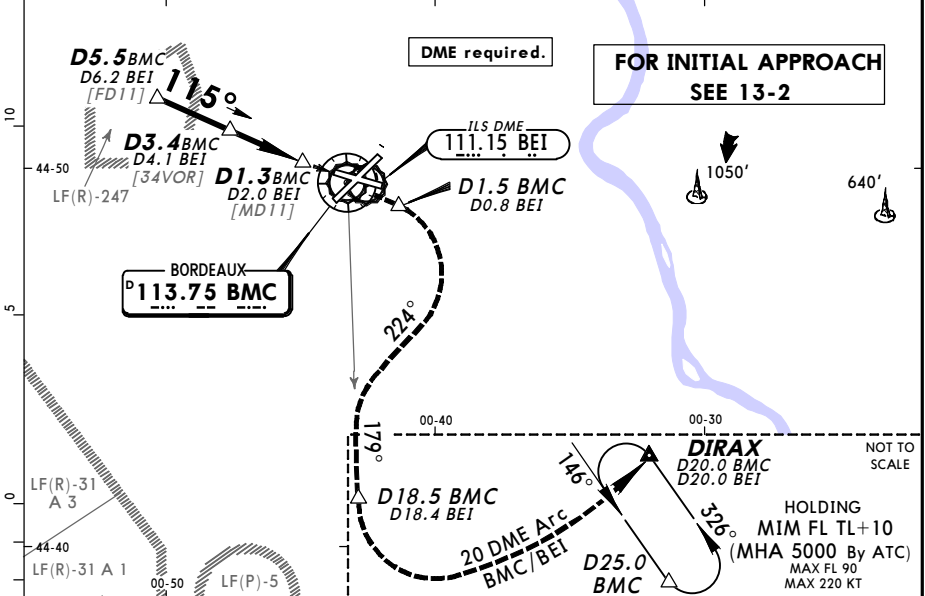
LFBG/BOD
MERIGNAC

JEPPesen
30 JAN 15 (13-2A) Eff 5 Feb

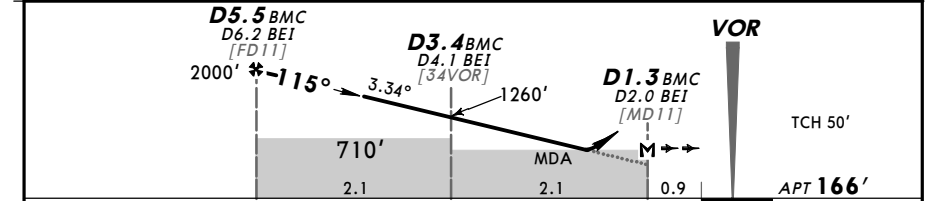
BORDEAUX, FRANCE
VOR Rwy 11

BRIEFING STRIP TM

ATIS 131.15		AQUITAINE Approach Sector BW 129.87 Sector BE 119.27		MERIGNAC Tower 118.3		Ground 121.9				
VOR BMC 113.75		Final Apch Crs 115°		Procedure Alt D5.5 BMC 2000' (1834')		DA/MDA(H) Refer to Minimums		Apt Elev 166'		2100' MSA BMC VOR
MISSED APCH: Climb on R-115 to D1.5 BMC to MAX 3000', then climbing turn RIGHT onto 224° to 5000' to intercept and follow R-179. At or above 5000' intercept and follow 20 DME Arc BMC to DIRAX. Climb to 1000' prior to level acceleration.										
Alt Set: hPa		Apt Elev: 6 hPa		Trans level: By ATC		Trans alt: 5000'				



BMC DME	5.0	4.0	3.0	2.0
ALTITUDE	1820'	1470'	1120'	770'
BEI DME	6.0	5.0	4.0	3.0
ALTITUDE	1930'	1580'	1230'	880'



Gnd speed-Kts	70	90	100	120	140	160	REIL PAPI-L	D1.5 BMC on ↑	BMC 113.75 R-115	
Descent Angle	3.34°	414	532	591	709	827				946
MAP at D1.3 BMC/D2.0 BEI										

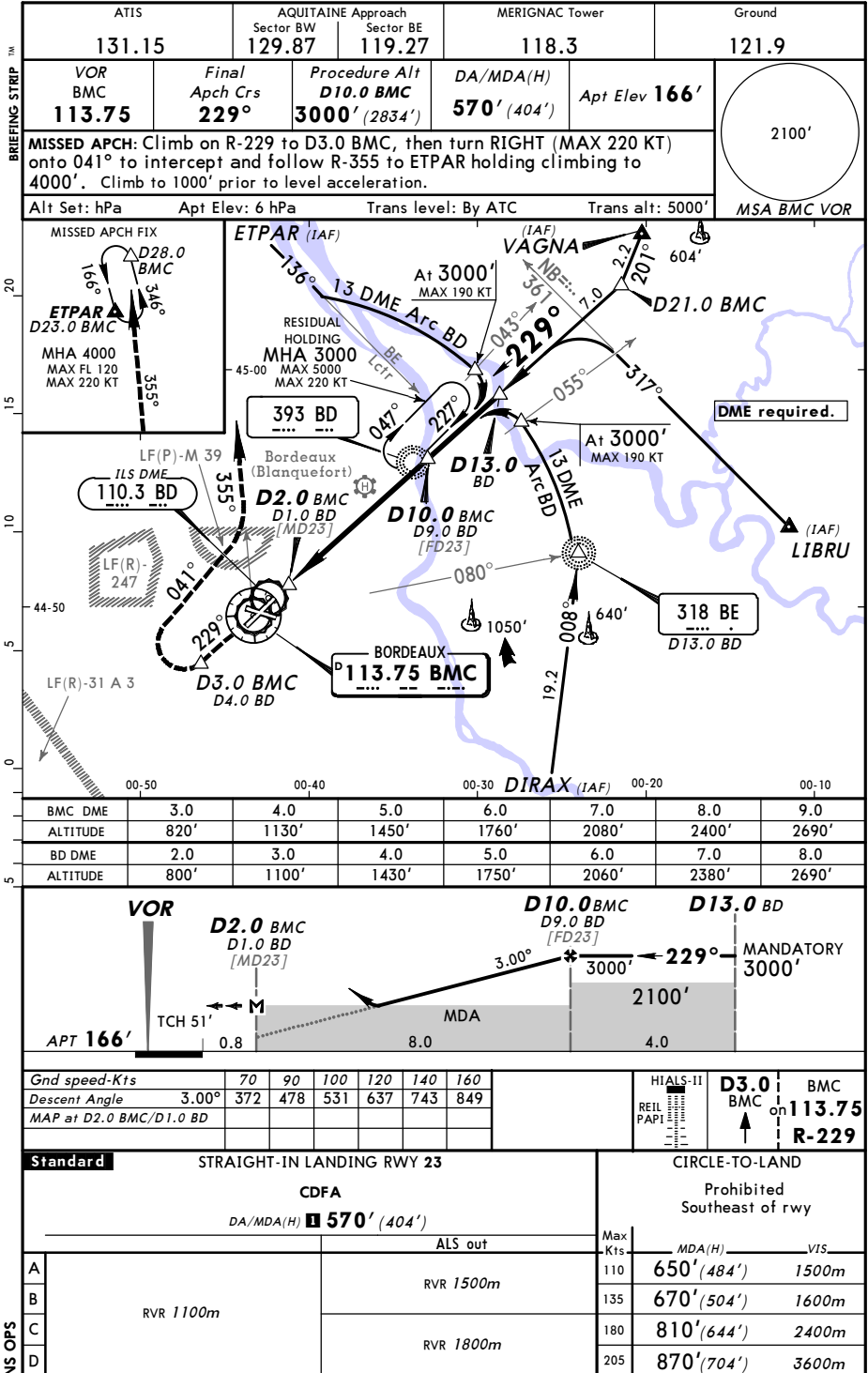
Standard				CIRCLE-TO-LAND			
STRAIGHT-IN LANDING RWY 11				Prohibited North of rwy			
CDFA							
DA/MDA(H) A: 570' (404') C: 640' (474') B: 610' (444') D: 660' (494')							
RVR 1500m				Max Kts	MDA(H)	VIS	
				110	640' (474')	1500m	
				135	670' (504')	1600m	
CMV 2200m				180	830' (664')	2400m	
CMV 2300m				205	870' (704')	3600m	

For add-on to the MDA(H), see ATC pages FRANCE.

LFBD/BOD
MERIGNAC

JEPPESEN
19 APR 13 **13-3** Eff 2 May

BORDEAUX, FRANCE
VOR Rwy 23



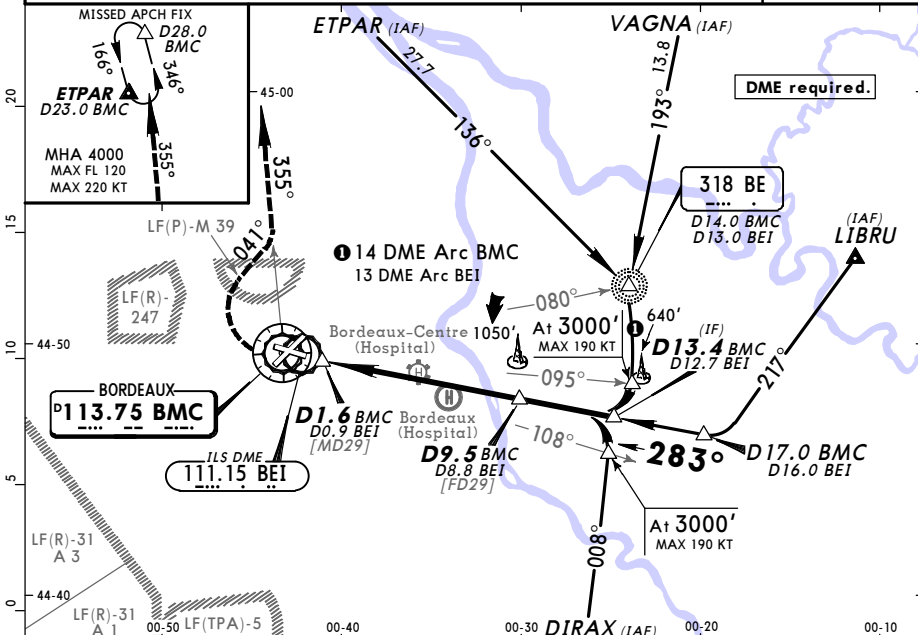
LFBD/BOD
MERIGNAC

JEPPESEN
19 APR 13 **(13-4)** **Eff 2 May**

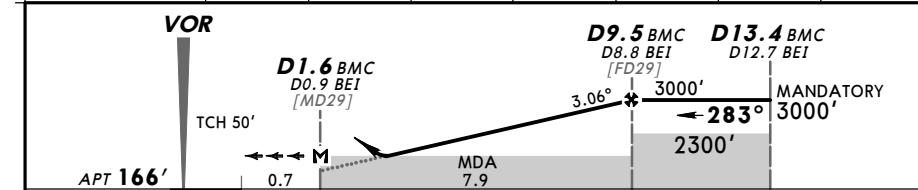
BORDEAUX, FRANCE
VOR Rwy 29

BRIEFING STRIP

ATIS 131.15		AQUITAINE Approach Sector BW 129.87 Sector BE 119.27		MERIGNAC Tower 118.3	Ground 121.9
VOR BMC 113.75	Final Apch Crs 283°	Procedure Alt D9.5 BMC 3000' (2834')		DA/MDA(H) 580' (414')	Apt Elev 166'
MISSED APCH: Climb to VOR, then turn RIGHT (MAX 220 KT) onto 041° to intercept and follow R-355 to ETPAR holding climbing to 4000'. Climb to 1000' prior to level acceleration.					2100'
Alt Set: hPa		Apt Elev: 6 hPa		Trans level: By ATC	
				Trans alt: 5000'	MSA BMC VOR



BMC DME	3.0	4.0	5.0	6.0	7.0	8.0
ALTITUDE	850'	1180'	1510'	1830'	2160'	2480'
BEI DME	2.0	3.0	4.0	5.0	6.0	8.0
ALTITUDE	760'	1080'	1410'	1730'	2060'	2700'



Gnd speed-Kts	70	90	100	120	140	160	REIL 113.75		BMC 041°		220 KT	
Descent Angle	3.06°	379	487	541	650	866	PAPI-L		RT		MAX	
MAP at D1.6 BMC/D0.9 BEI												

Standard		STRAIGHT-IN LANDING RWY 29		CIRCLE-TO-LAND	
		CDFA		Prohibited North of rwy	
		DA/MDA(H) 580' (414')		MDA(H) 640' (474')	
A		RVR 1500m		110	1500m
B				135	1600m
C		RVR 1900m		180	2400m
D				205	3600m

1 For add-on to the MDA(H), see ATC pages FRANCE.

CHANGES: Procedure.

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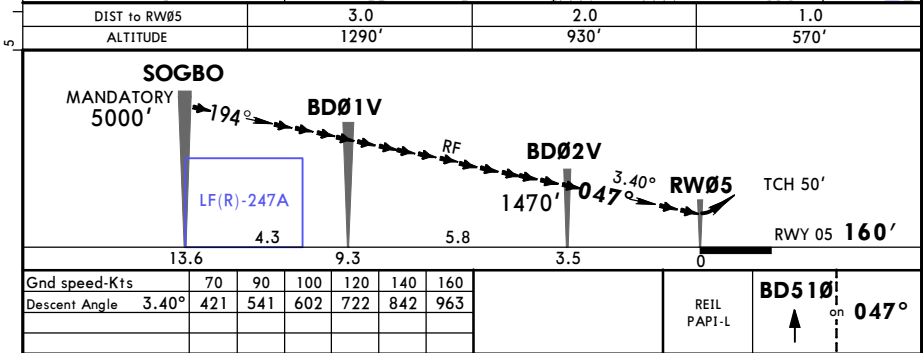
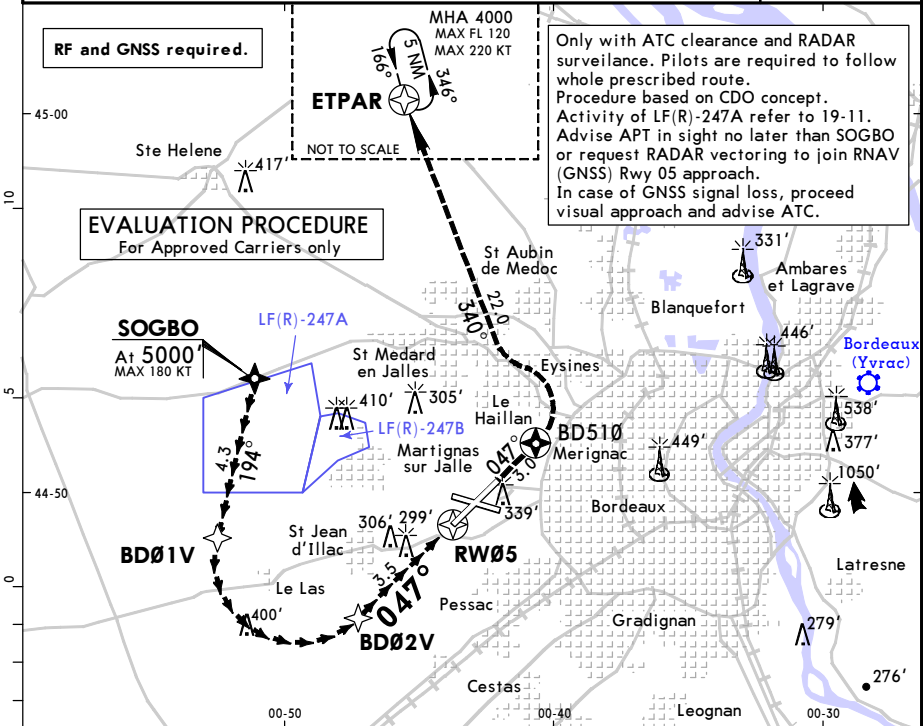
LFBD/BOD
MERIGNAC

JEPPesen
13 NOV 15

CAT A, B & C

BORDEAUX, FRANCE
SOGBO RNAV VISUAL RWY 05

BRIEFING STRIP ™	ATIS 131.150		AQUITAINE Approach Sector BW 129.875 Sector BE 119.275		MERIGNAC Tower 118.3	Ground 121.9	
	NAVAIDS- Refer to Planview	Final App Crs 047°	Minimum Alt No FAF		No MDA(H) published	Apt Elev 166' RWY 160'	No MSA published
	GO AROUND: Climb to BD510, then turn LEFT to ETPAR climbing to 4000' and hold or proceed according to ATC.						
	Alt Set: hPa		Rwy Elev: 6 hPa		Trans level: By ATC	Trans alt: 5000'	



VISUAL LANDING RWY 05

CEILING REQUIRED

ABC

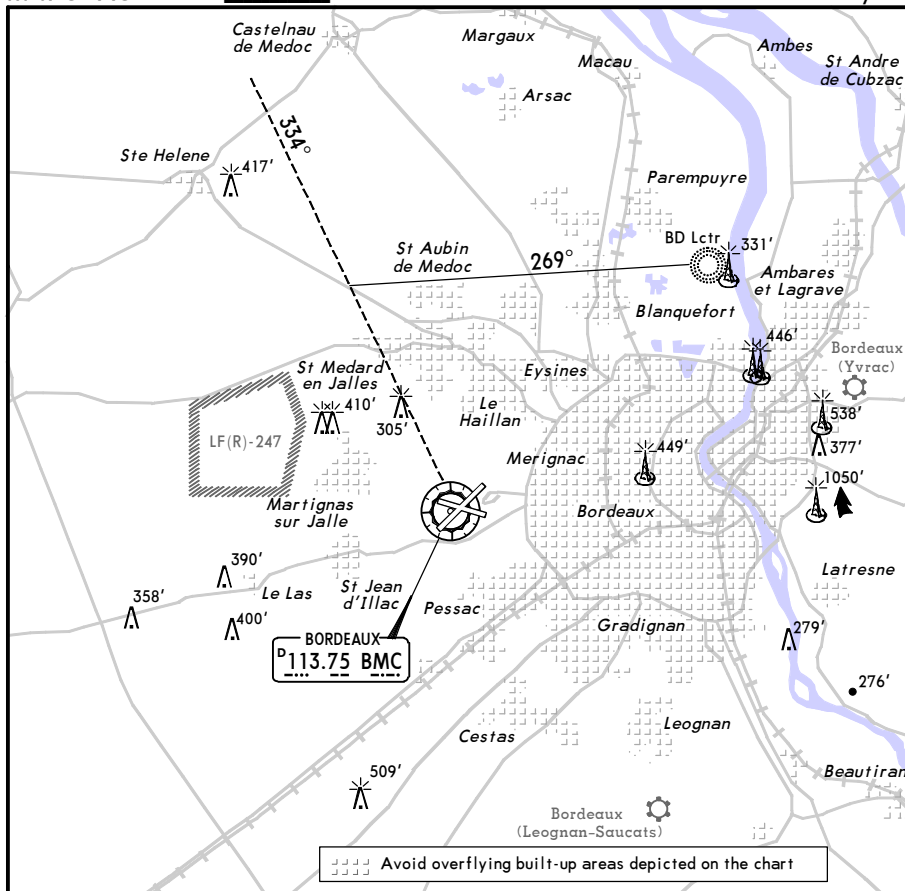
CEILING-VISIBILITY

5500' - 10 km

LFBD/BOD
MERIGNAC

JEPPESSEN
30 JAN 15
Eff 5 Feb (19-12)

BORDEAUX, FRANCE
ENVIRONMENT-VISUAL APPROACH Rwy 11



Instructions, except for safety requirement:

Rwy 29:

Visual approaches prohibited.

Rwy 11:

- Visual approach clearance only issued on pilot's request, or, by day, on ATC proposal.
- ATC can suggest a radar vectoring to obtain visual flight conditions.
- Visual approach request will always be confirmed by the pilot AD in sight.
- For North downwind legs: avoid manoeuvring in the South of the axis defined by 269° from BD Lctr, maintain an altitude of 3000' till R-334 BMC.
- Respect a minimum distance (3.5 NM BMC) in final approach before runway threshold.
- In order not to overfly densely populated areas for North arrivals (VAGNA or LIBRU) avoid manoeuvring in the south of specified axis 269° till 334° BMC.

BORDEAUX, (MERIGNAC - LFBD)

TERMINAL CHART CHANGE NOTICES

Chart Change Notices for Airport LFBD

Type: Terminal

Effectivity: Temporary

Begin Date: 20160608

End Date: 20160704

For restrictions during Europe football Championships EURO 2016 refer to SUP 120-16 available on internet at: www.sia.aviation-civile.gouv.fr

Chart Change Notices for Country FRA

Type: Gen Tmnl

Effectivity: Permanent

Begin Date: Immediately

End Date: No end date

The following Take-off minima according to Commission Regulation No. 965/2012 (EASA Air Operations Regulation) are applicable for Low Visibility Take-off Operations within France for CAT ABCD aircraft. RVR below 150m can only be used for selected runways which are already specified on current Jeppesen charts. 1. With RL and RCLM during day or with RL or CL during night: RVR 300m 2. With RL and CL: RVR 200m 3. With RL and CL and TDZ, MID and RO RVR: RVR 150m 4. With HIRL and CL and TDZ, MID and RO RVR: RVR 125m 5. On CAT III RWYs with approved guidance system or HUD/HUDLS: RVR 75m

Type: Gen Tmnl

Effectivity: Temporary

Begin Date: 20160610

End Date: 20160710

From 10 JUN 16 until 10 JUL 16, due to European Football Championship, restrictions and special requirements will temporarily be implemented for following aerodromes: Paris Orly (LFPO), Paris Charlesde Gaulle (LFPG), Lyon Saint Exupéry (LFLY), Nice Côte d'Azur (LFMN), Beauvais-Tillé (LFOB), Bordeaux-Mérignac (LFBD), Lille-Lesquin (LFQQ), Lyon-Bron (LFLY), Marseille-Provence (LFML), Saint-Etienne-Loire (LFMH) and Toulouse-Blagnac (LFBO). Refer to SUP 060-16 available on www.sia.aviation-civile.gouv.fr and

Terminal Chart Change Notices

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Notice: After 30 Jun 2016, 0000Z, this data may no longer be valid

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