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JEPPESEN
JeppView for Windows

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General Information

Location: TOULOUSE FRA
ICAO/IATA: LFBO / TLS
Lat/Long: N43° 38.10', E001° 22.07'
Elevation: 499 ft

Airport Use: Public
Daylight Savings: Observed
UTC Conversion: -1:00 = UTC
Magnetic Variation: 0.0° E

Fuel Types: 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

Sunrise: 0413 Z
Sunset: 1939 Z

Runway Information

Runway: 14L
Length x Width: 9925 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 489 ft
Lighting: Edge, ALS

Runway: 14R
Length x Width: 11493 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 488 ft
Lighting: Edge, ALS, Centerline, TDZ

Runway: 32L
Length x Width: 11493 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 497 ft
Lighting: Edge, Centerline, REIL

Runway: 32R
Length x Width: 9925 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 497 ft
Lighting: Edge, REIL

Communication Information

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ATIS: 123.125
Blagnac Tower: 118.100
Blagnac Ground Ground: 121.900
Blagnac Clearance Clearance Delivery: 121.700
Toulouse Approach: 120.350
Toulouse Approach: 123.850
Toulouse Approach: 124.975 Secondary
Toulouse Approach: 125.175 TCA
Toulouse Approach: 129.300 TCA
Blagnac Approach: 121.100
Toulouse Information: 121.250 Flight Info Service
Toulouse Information: 123.925 Flight Info Service

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1. GENERAL

1.1. ATIS

ATIS 123.125

1.2. SPEED RESTRICTIONS

Within TOULOUSE TMA part 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 clearance.

1.3. NOISE ABATEMENT PROCEDURES

1.3.1. GENERAL

Pilots shall observe the engine operation instructions included in the operating manuals to reduce the noise impact of landing and take-off. ACFT operating in accordance with IFR/VFR must respect the specific noise abatement procedures that are published to the users by the AIS.

Flying over the hospital of Purpan is permanently prohibited.
Except for safety reasons, the ACFT captain must apply these rules.
All operators, undertaking flight to or from Blagnac APT have to publish in their operating manuals, in respect of each ACFT its classification and the cumulative margin.

1.3.2. NIGHTTIME RESTRICTIONS

All ACFT, turbojet fitted, not in accordance with the Chapter 3 or Chapter 4 standards are not allowed:

- To land between 2200-0600LT;
- To leave the parking stand in order to take off between 2200-0600LT.

With the same restrictions none of the ACFT turbojet fitted, meeting the Chapter 3 noise standards, for which the cumulative margin is less than 8 EPNdB is allowed:

- To land between 2200-0000LT;
- To leave the parking stand in order to take off between 2200-0000LT.

None of the ACFT turbojet fitted, meeting the Chapter 3 noise standards, for which the cumulative margin is less than 13 EPNdB is allowed:

- To land between 0000-0600LT;
- To leave the parking stand in order to take off between 0000-0600LT.

Dispensation: None of the ACFT turbojet fitted, meeting the Chapter 3 noise standards, for which the cumulative margin between 10 and 13 EPNdB is allowed to take off or to land in the slot between 0000-0600LT from Blagnac APT, if the owner cannot prove that the ACFT has been used on this airfield between November 1st, 2010 and October 29th, 2011. This exemption will end on October 30th, 2015.

Since April 1st, 2013, none of the ACFT turbojet fitted, meeting the Chapter 3 noise standards, for which the cumulative margin is less than 10 EPNdB is allowed:

- To land between 2200-0000LT;
- To leave the parking stand in order to take off between 2200-0000LT.

Dispensation: None of the ACFT turbojet fitted, meeting the Chapter 3 noise standards, for which the cumulative margin between 8 and 10 EPNdB is allowed to take off or to land in the slot 2200-0000LT from Blagnac APT if the owner cannot prove that the aircraft has been used on this airfield between April 1st, 2012 and March 31st, 2013. This exemption will end on April 1st, 2017.

Dispensations from the above specified regulations can be exeptionally given by the minister in charge for civil aviation.

These restrictions do not apply to humanitarian, ambulance, government flights, flights in emergency situations due to flight safety reasons, or flights of ACFT mentioned in article L6100-2 of the French Transport Code.

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1. GENERAL

1.3.3. REVERSE THRUST

Reverse thrust or propeller reverse pitch other than idle shall not be used for landings except for safety reasons.

1.3.4. RUN-UP TESTS

Engine run-up tests must be carried out on 'Bikini' run-up area and the protected run-up area located on St Martin Lagardere site.

Between 2200-0600LT run-ups are prohibited.

These restrictions do not apply to short tests less than 5 minutes and performed at idling power not exceeding that power used for starting and taxiing sequences.

1.4. LOW VISIBILITY PROCEDURES

1.4.1. GENERAL

LVP phase starts when RVR is 550m or below, or ceiling is 200' or below.

LVP phase ends when RVR is greater than 800m and ceiling is greater than 200' and improvement of these conditions is expected.

1.4.2. ARRIVAL

Vacate RWY 14R at RWY end via TWY M2. Use of TWY M4 only on specific control clearances.

To Parking areas F and K as well as to stands E10 thru E40 use TWYs M2, N2, P20, then T40 or P40, T50.
To stands E41 thru E51 use TWYs M2, N2, P20, T40.
To stands E52 thru E62 use TWYs M2, N2, P20, P40 then T50 or P50, T55.
To stands E70 thru E82 use TWYs M2, N2, P20, P40, P50 then T55, or P55 then T60.
To stands U30 thru U34 use TWYs M2, N2, P20, P40, P50, P55, T60.
To stands V30 thru V37 use TWYs M2, N2, P20, P40, P50, P55, P60, T65.
To Parking areas A, B and D use TWYs M2, N2, P20.
To Parking areas C, G, M, CEV and DSNA use TWYs M2, N2, P10 and T10 without centerline. Unusable with RVR 150m or less.
To Apron St Martin use TWY S2 without centerline.
To Apron St Martin Lagardere use TWYs M2, N2, P20, P40, P50, P55, P60, P65, P70, P90, T100.
To Apron Ziegler via TWY S60 use TWYs S2, W20, W30, W40 and W50 without centerline, S60. Via TWY S90 use TWYs S2, W20, W30, W40 and W50 without centerline, W60, W80, S90.

1.4.3. DEPARTURE

From Parking areas F and K as well as from stands E10 thru E60 and E70 thru E72 use TWYs T50, P50, P55, P60, P65, P70, P90, P100, P101, M11.
From stand E62 use TWYs T55, P55 or T60 then P60, P65, P70, P90, P100, P101, M11.
From stands E80 thru E82 use TWYs T60, P60, P65, P70, P90, P100, P101, M11.
From stands U30 thru U34 use TWYs T65, P65, P70, P90, P100, P101, M11.
From stands V30 thru V34 use TWYs T60, P60, P65, P70, P90, P100, P101, M11.
From stands V35 thru V37 use TWYs T65, P65, P70, P90, P100, P101, M11.
From Parking areas A, B and D use TWYs P20, P40, P50, P55, P60, P65, P70, P90, P100, P101, M11.
From Parking areas C, G, M, DEV and DSNA use TWYs T10 and P10 without centerline (unusable with RVR 150m or below), P20, P40, P50, P55, P60, P65, P70, P90, P100, P101, M11.
From Apron St Martin use TWYs W20, W30, W40 and W50 without centerline, then W60, W80, W90, W100, S11.
From Apron St Martin Lagardere use TWYs T100, P100, P101, M11.
From Apron Ziegler use TWYs S60, W60, W80, W90, W100, S11 or S90, W90, W100, S11.

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1. GENERAL

1.5. TAXI PROCEDURES

TWY P101 MAX wingspan less than 213'/65m, except manufacturer activity.

TWY M4 can be used only upon specific instructions from ATC.

TWYs P10, T10 and T70 are prohibited if RVR is less than 150m.

1.6. PARKING INFORMATION

On stands A10 thru A14, B10 thru B14, B21, B31, B41, D10, D12, E10 thru E62, F10 thru F40, K11, U10 thru U42 and V10 push-back required.

Warning: Push-back clearance is valid for 1 minute only.

Stand G8 available for helicopters.

Marshaller mandatory on all parking stands.

1.7. OTHER INFORMATION

RWY 14/32 for helicopters.

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2. ARRIVAL

2.1. NOISE ABATEMENT PROCEDURES

To reduce ACFT noise nuisances and as long as the flight safety is not jeopardized, instrument approaches must respect the following criteria:

- Final approaches shall be performed with an angle equal to the GS defined for ILS.
- The GS must be intercepted at or above 3000'.
- Recommended optimum initial approach descent gradient is 5.2%.

Visual approaches are prohibited, except:

- For flight safety;
- By ATC instruction, in this case flying over the urban area of Toulouse shall be avoided and the RWY centerline shall be intercepted at or above 3000'.

For a missed approach during visual approach:

- Climb STRAIGHT AHEAD to 4000'.
- Wait for ATC instructions.
- In case of COMM failure, execute the missed approach of the IAP initially cleared for.

2.1.1. ARRIVAL RECOMMENDATIONS

When on final approach it is recommended to avoid power or thrust increases whenever possible.

2.2. CAT II/III OPERATIONS

RWY 14R approved for CAT II/III operations, special aircrew and ACFT certification required.

2.3. OTHER INFORMATION

2.3.1. CONTINUOUS DESCENT OPERATIONS (CDO) INTERCEPTION AFTER IAF

A published CDO may be intercepted after IAF with a radar guidance or a direct routing to an intermediate point of the CDO.

In both cases, level and speed constraints related to the intercepted CDO apply to DTGs related to published restriction points. Advise ATC if unable to comply.

3. DEPARTURE

3.1. NOISE ABATEMENT PROCEDURES

Flights must be operated with noise abatement climbing procedure at departure.

All instrument take-offs must comply with the initial clearance issued by ATC, except in specific cases or by ATC clearance.

3.2. OTHER INFORMATION

3.2.1. DATALINK DEPARTURE CLEARANCE (DCL)

The DCL request must be initiated by aircrews 10 MIN before scheduled start-up time.

The clearance echo-back message must be received by ATC at the latest 3 MIN after clearance has been issued. In case of lack of response 3 MIN before the scheduled start-up time, the aircrew should contact the preflight frequency to obtain departure clearance. The DCL service should not be initiated by the aircrew if their scheduled flight plan does not comply with the published SID and climb gradient. Unless otherwise mentioned in the message, the DCL means start-up clearance as well.

t_1: 3 MIN

In case of CTOT, the pilot gets the value CTOT -3 MIN to CTOT +3 MIN with the clearance.

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LFBO/TLS
BLAGNAC

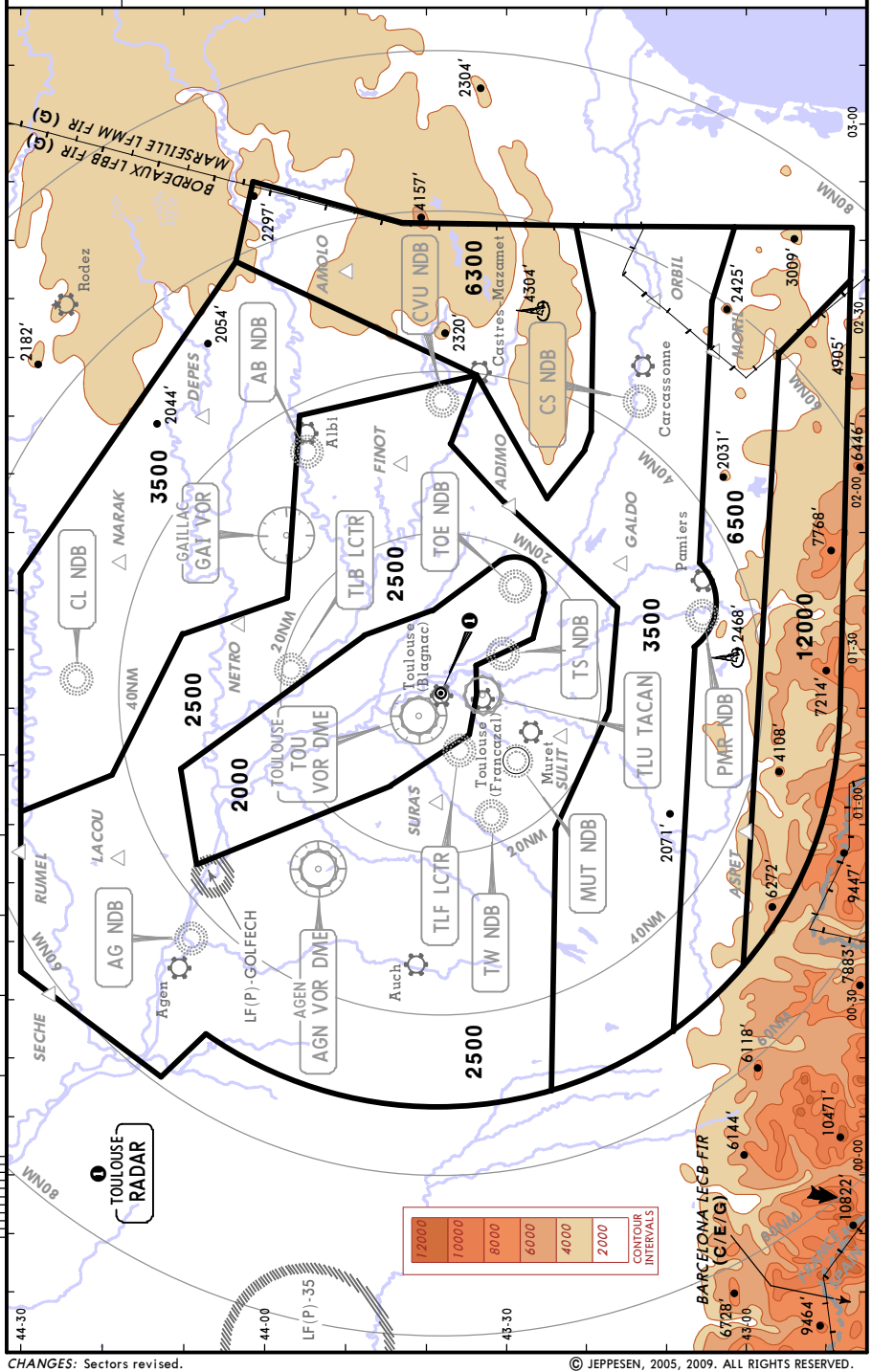
JEPPESEN

6 FEB 09 (10-1R) Eff 12 Feb

TOULOUSE, FRANCE
RADAR MINIMUM ALTITUDES

Apt Elev 499'

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



CHANGES: Sectors revised.

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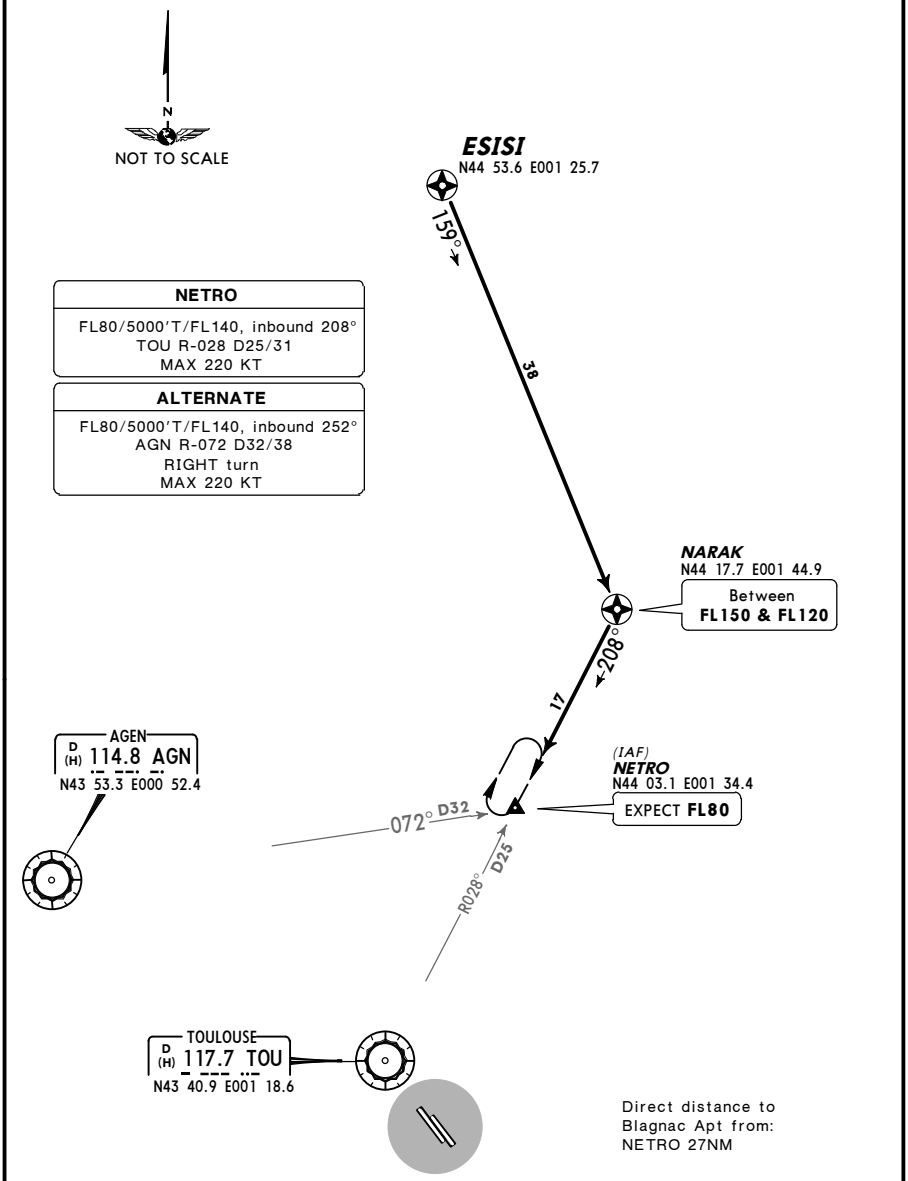
ATIS	Apt Elev	
123.125	499′	Alt Set: hPa Trans level: By ATC Trans alt: 5000′

ESISI 6N *[ESIS6N]*
RWYS 14L/R RNAV ARRIVAL
FOR FLIGHTS FROM UPPER & LOWER AIRSPACE WITH RFL ABOVE FL115



CHANGES: RNAV STAR NARAK 6A withdrawn.

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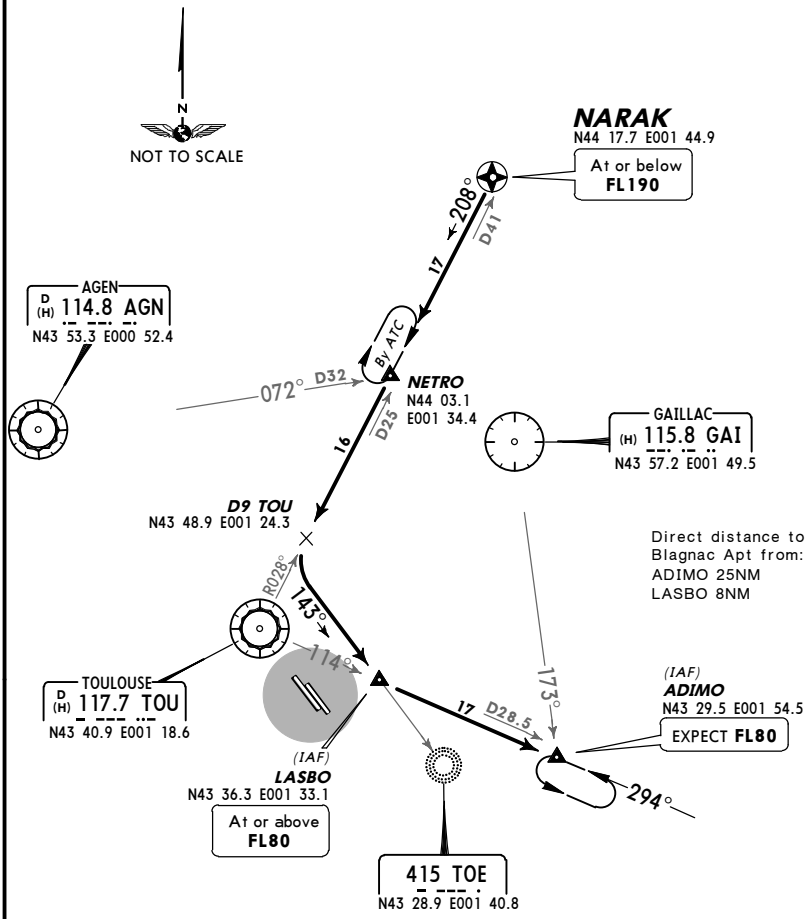
ATIS	Apt Elev	
123.125	499′	Alt Set: hPa Trans level: By ATC Trans alt: 5000′

NARAK 6L *[NARA6L]*
RWYS 32L/R RNAV ARRIVAL
FOR FLIGHTS FROM UPPER AIRSPACE



NETRO
5000′T/FL140, inbound 208° TOU R-028 D25/31 MAX 220 KT

ALTERNATE
5000′T/FL140, inbound 252° AGN R-072 D32/38 RIGHT turn MAX 220 KT

ADIMO
FL80/4500′T/FL140, inbound 294° TOU R-114 D28.5/34.5 MAX 220 KT

ALTERNATE
FL80/4500′T/FL140, inbound 298° AGN R-118/GAI R-173 LEFT turn MAX 220 KT 1 min

CHANGES: RNAV STAR NARAK 6I withdrawn.

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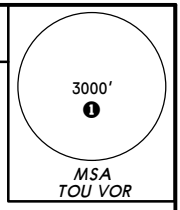
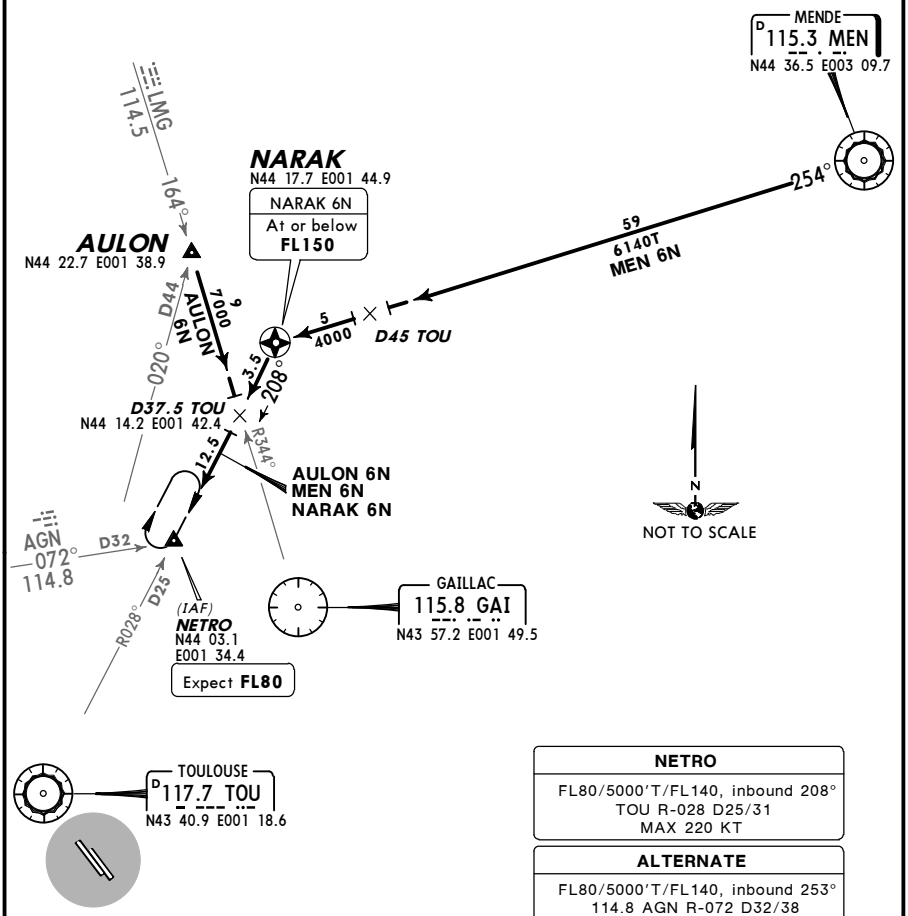
ATIS	Apt Elev	
123.12	499′	Alt Set: hPa Trans level: By ATC Trans alt: 5000′

AULON 6N *[AULO6N]* ❷, MEN 6N ❸
NARAK 6N *[NARA6N]*
RWYS 14L/R ARRIVALS
FROM NORTH

❷ For flights from lower airspace with RFL below **FL115.**
❸ For flights from lower airspace.



MSA 3000′ all sectors if DME not available
❶ 2500′ within 10 NM



NETRO
FL80/5000′T/FL140, inbound 208°
TOU R-028 D25/31
MAX 220 KT

ALTERNATE
FL80/5000′T/FL140, inbound 253°
114.8 AGN R-072 D32/38
RIGHT turn
MAX 220 KT

CHANGES: STARs transferred & renumbered.

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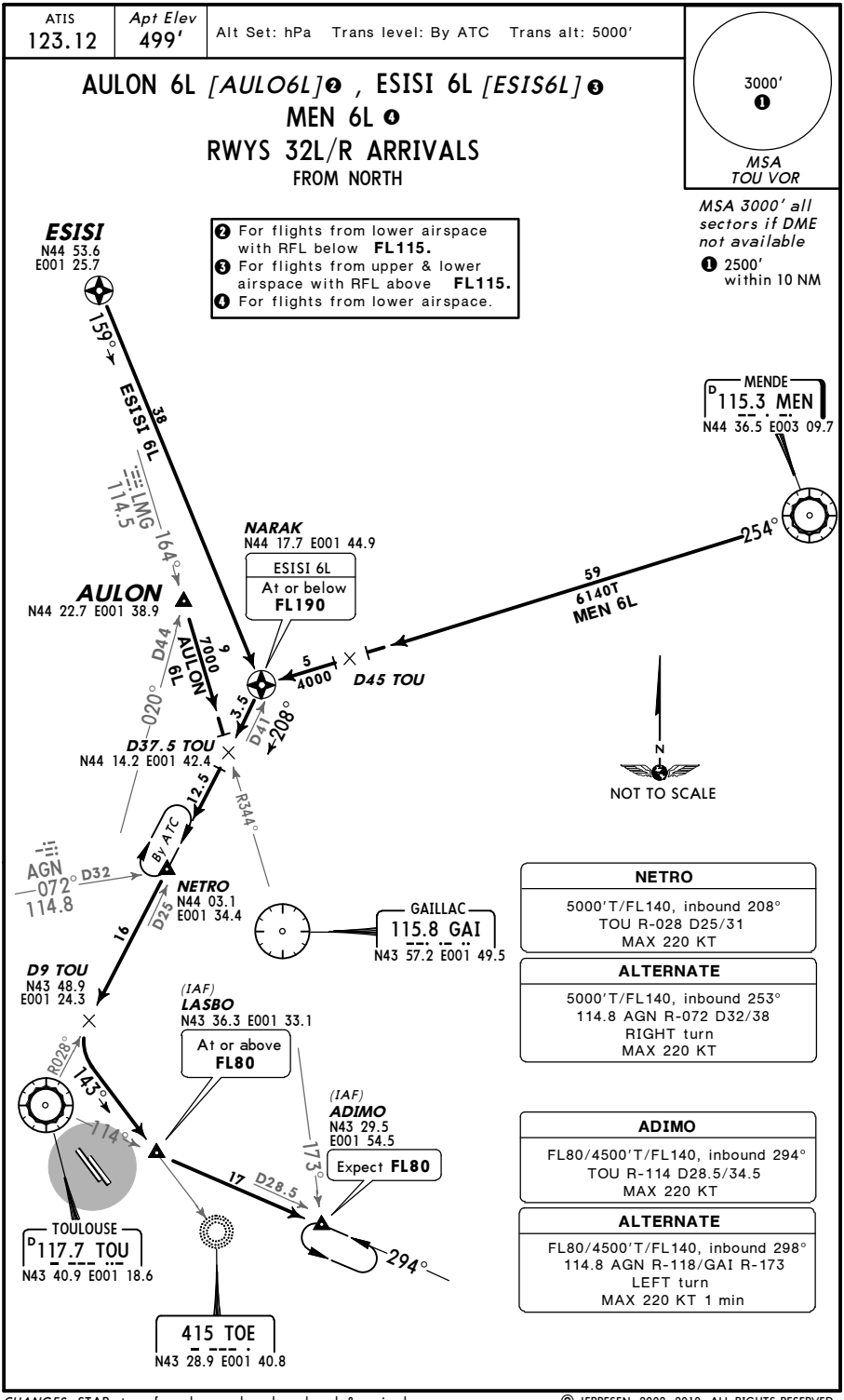
ATIS	Apt Elev	
123.12	499′	Alt Set: hPa Trans level: By ATC Trans alt: 5000′

AULON 6L [AULO6L]❷ , ESISI 6L [ESIS6L]❸
MEN 6L ❹
RWYS 32L/R ARRIVALS
FROM NORTH



NETRO

5000′T/FL140, inbound 208°
TOU R-028 D25/31
MAX 220 KT

ALTERNATE

5000′T/FL140, inbound 253°
114.8 AGN R-072 D32/38
RIGHT turn
MAX 220 KT

ADIMO

FL80/4500′T/FL140, inbound 294°
TOU R-114 D28.5/34.5
MAX 220 KT

ALTERNATE

FL80/4500′T/FL140, inbound 298°
114.8 AGN R-118/GAI R-173
LEFT turn
MAX 220 KT 1 min

CHANGES: STARs transferred, renumbered, replaced & revised.

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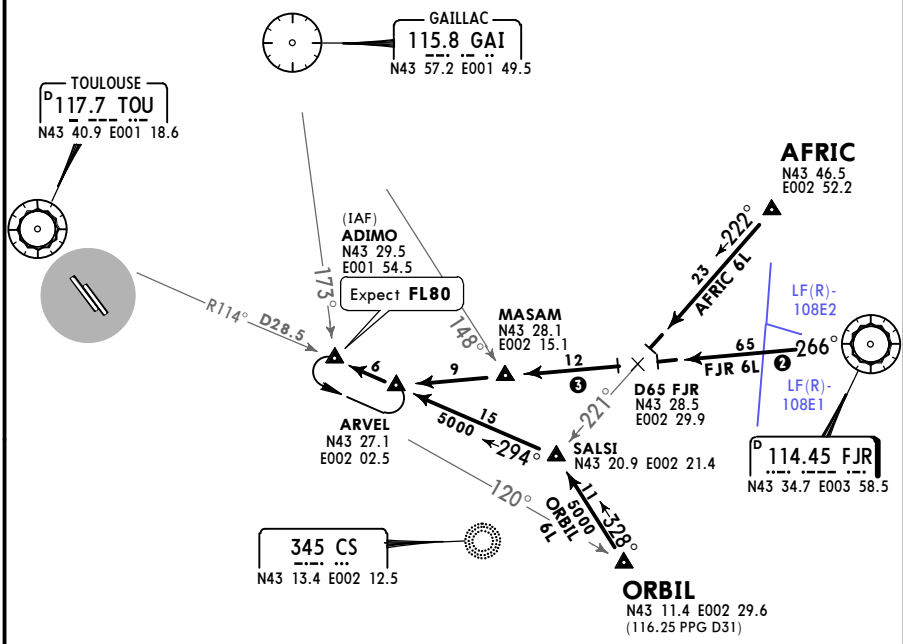
ATIS	Apt Elev	
123.125	499′	Alt Set: hPa Trans level: By ATC Trans alt: 5000′

AFRIC 6L [AFRI6L], FJR 6L ❷
ORBIL 6L [ORBI6L]
RWYS 14L/R, 32L/R ARRIVALS
FROM EAST
FOR FLIGHTS FROM LOWER AIRSPACE

3000′ ❶
MSA
TOU VOR

MSA 3000′ all sectors if DME not available
❶ 2500′ within 10 NM

❷ Subject to LF(R)-108E1 & LF(R)-108E2 activity.
❸ RWYs 14L/R: **FL80/5800T**
RWYs 32L/R: **5800**



ADIMO
FL80/4500′T/FL140, inbound 294° TOU R-114 D28.5/34.5 MAX 220 KT

ALTERNATE
FL80/4500′T/FL140, inbound 298° 114.8 AGN R-118/GAI R-173 LEFT turn MAX 220 KT 1 min

N
NOT TO SCALE

CHANGES: ARVEL coords.

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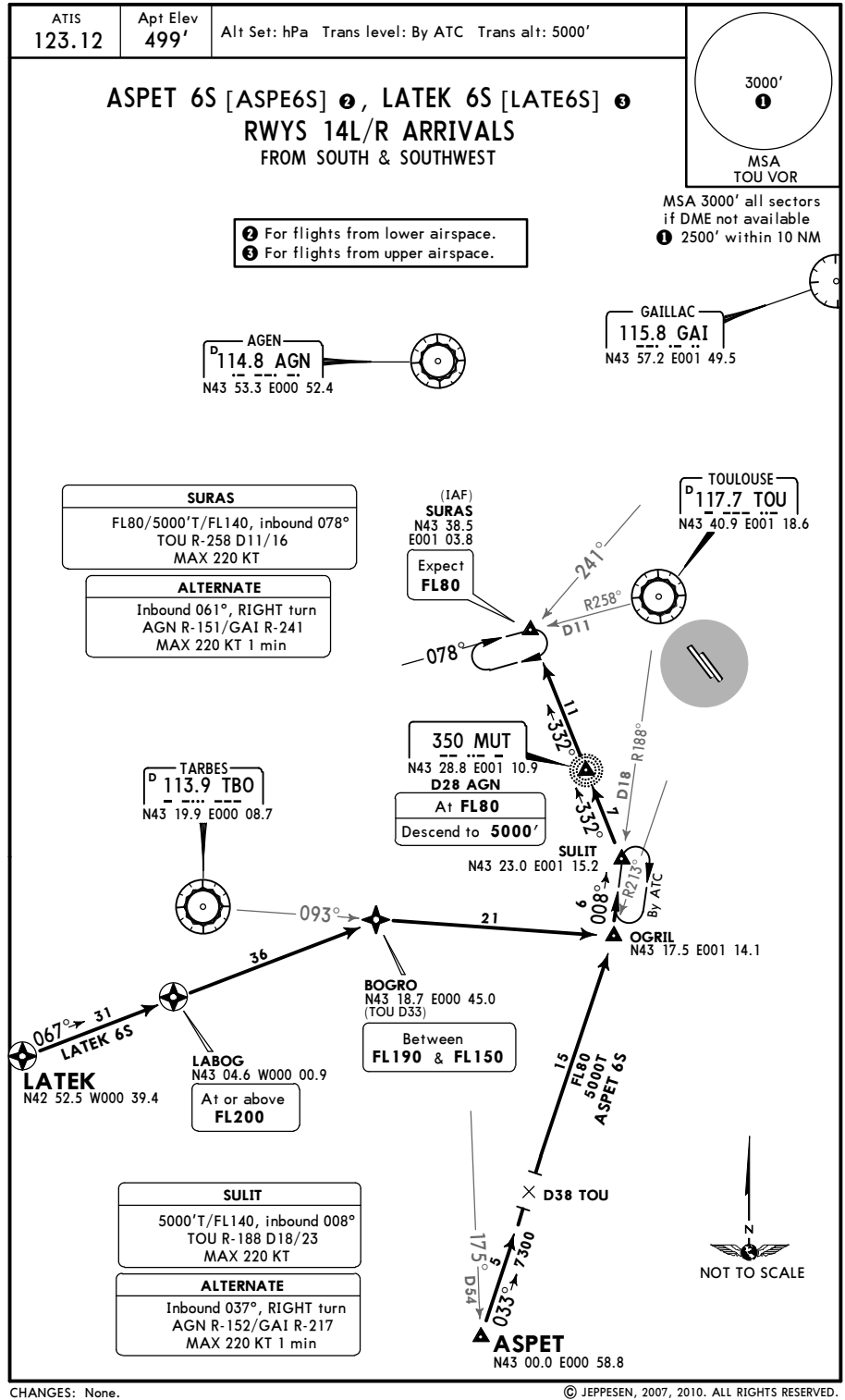
ATIS	Apt Elev	
123.12	499′	Alt Set: hPa Trans level: By ATC Trans alt: 5000′

ASPET 6S [ASPE6S] ❷, LATEK 6S [LATE6S] ❸
RWYS 14L/R ARRIVALS
FROM SOUTH & SOUTHWEST

❷ For flights from lower airspace.
❸ For flights from upper airspace.



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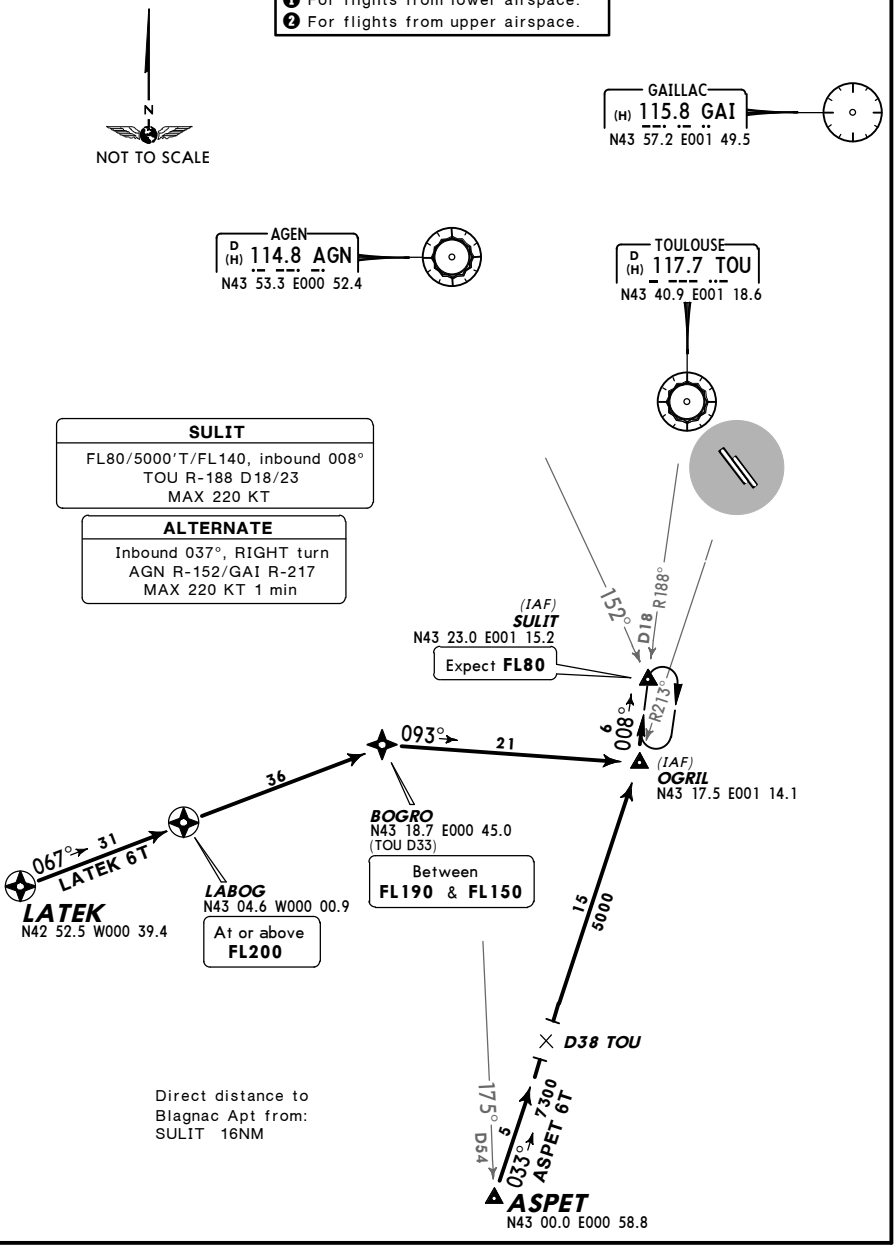
ATIS	Apt Elev	
123.125	499′	Alt Set: hPa Trans level: By ATC Trans alt: 5000′

ASPET 6T [ASPE6T]❶
LATEK 6T [LATE6T]❷
RWYS 32L/R ARRIVALS

❶ For flights from lower airspace.
❷ For flights from upper airspace.



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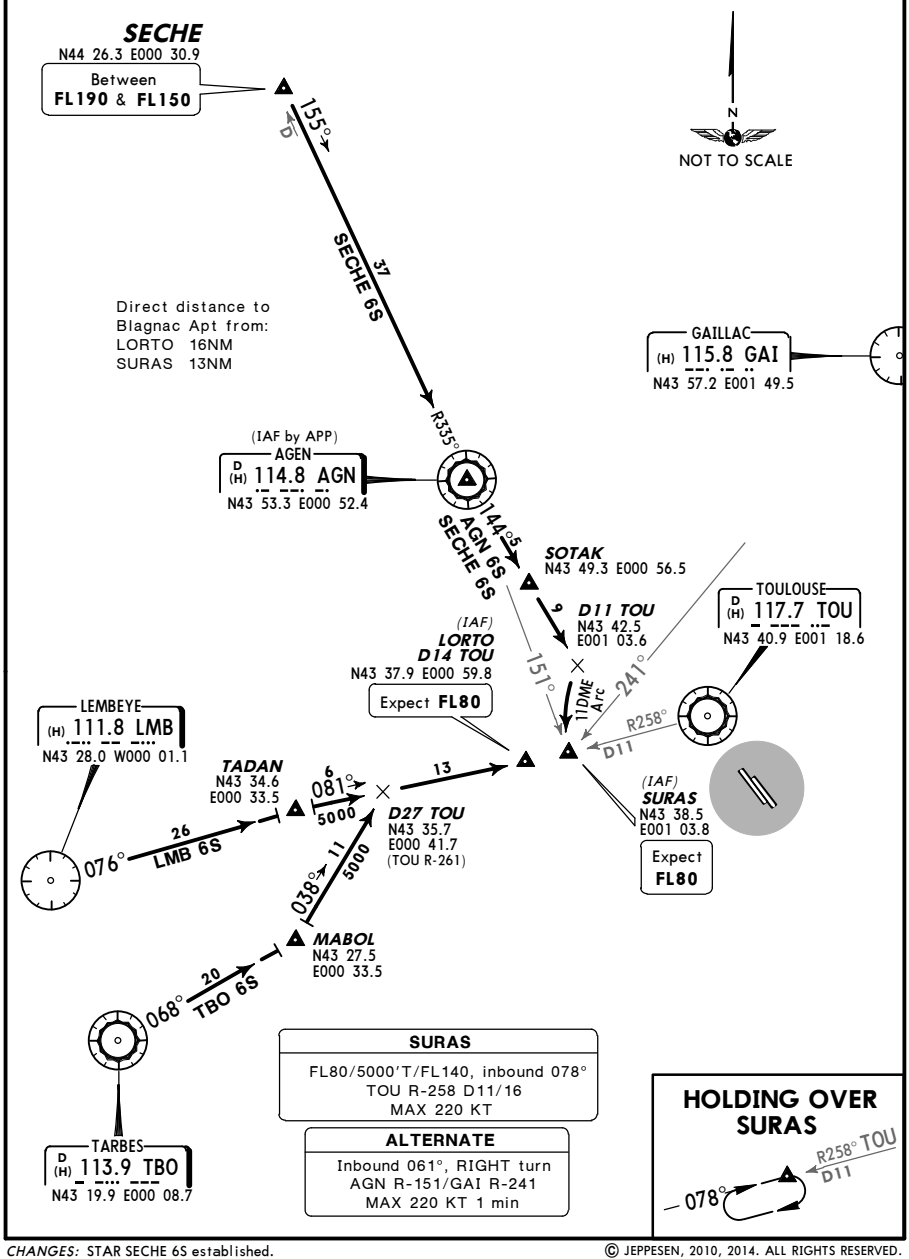
ATIS	Apt Elev	
123.125	499′	Alt Set: hPa Trans level: By ATC Trans alt: 5000′

AGN 6S, LMB 6S
SECHE 6S *[SECH6S]*, TBO 6S
RWYS 14L/R ARRIVALS



CHANGES: STAR SECHE 6S established.

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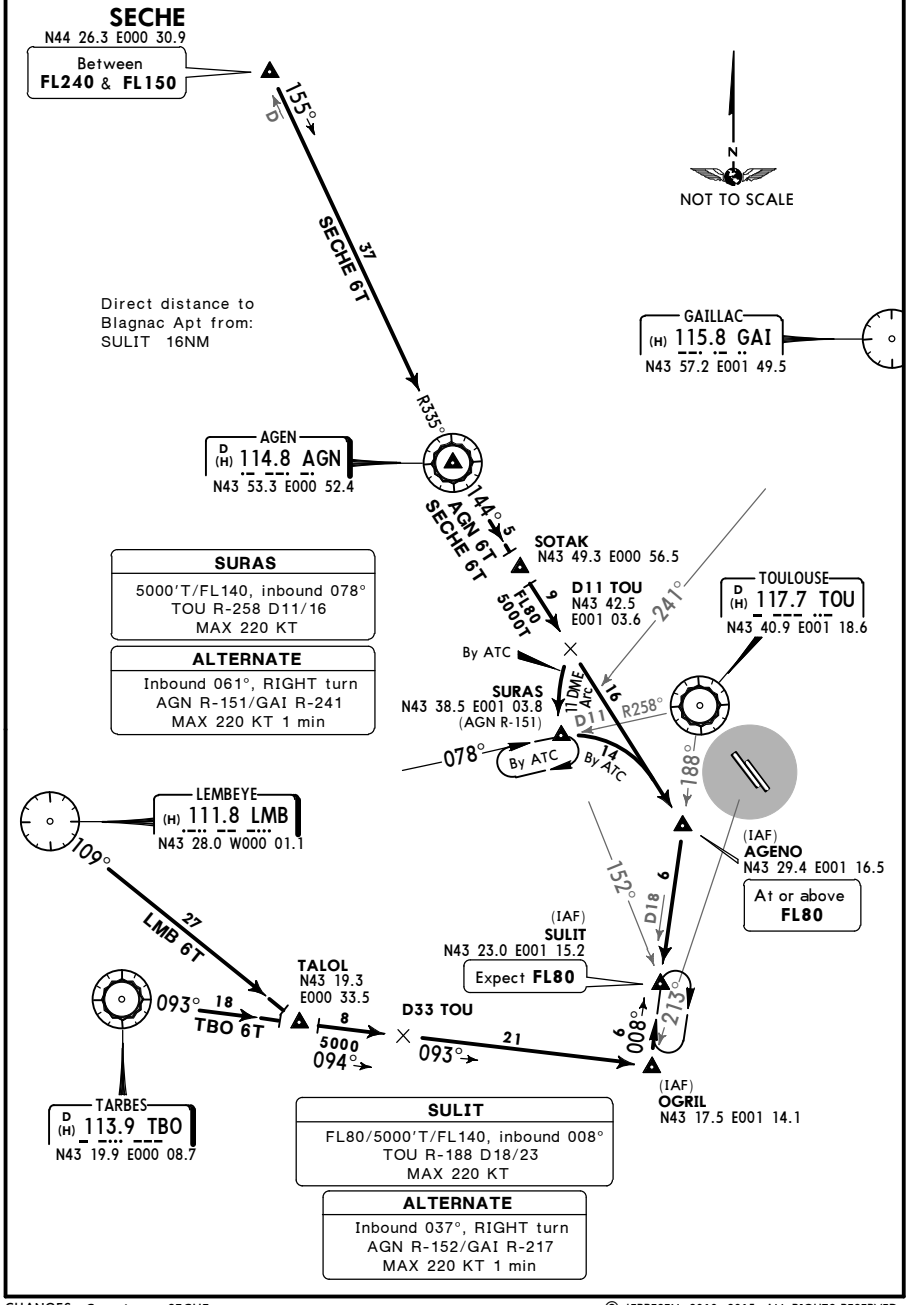
ATIS	Apt Elev	
123.125	499′	Alt Set: hPa Trans level: By ATC Trans alt: 5000′

AGN 6T, LMB 6T
SECHE 6T [SECH6T] , TBO 6T
RWYS 32L/R ARRIVALS



CHANGES: Crossing at SECHE.

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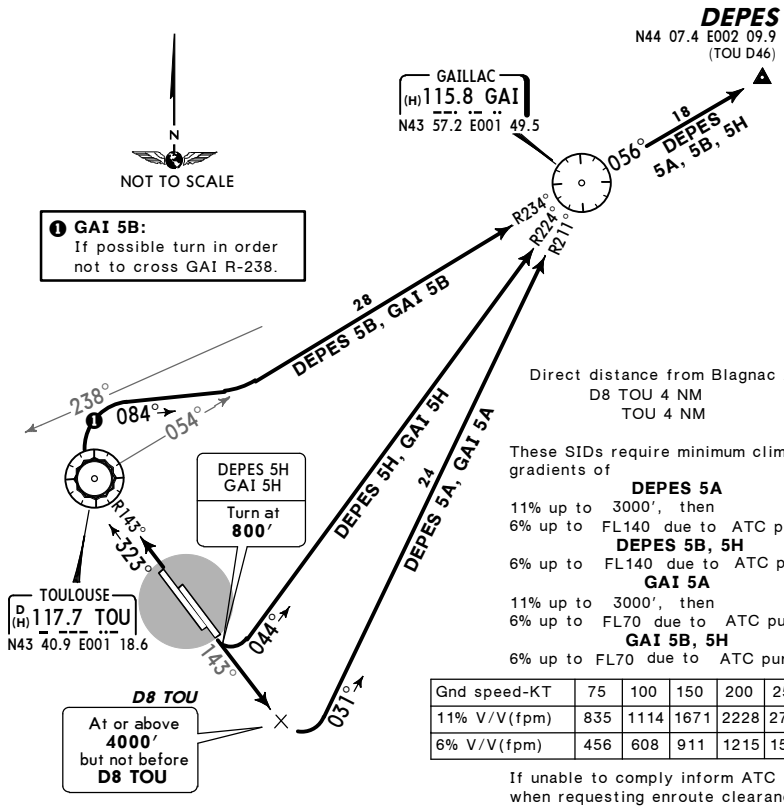
Apt Elev 499′	Trans level: By ATC Trans alt: 5000′ SIDs include minimum noise routings.

DEPES 5A *[DEPE5A]*, DEPES 5B *[DEPE5B]*
DEPES 5H *[DEPE5H]*
GAI 5A, GAI 5B, GAI 5H
RWYS 14L/R, 32L/R DEPARTURES



Direct distance from Blagnac Apt to:
D8 TOU 4 NM
TOU 4 NM

These SIDs require minimum climb gradients of

DEPES 5A
11% up to 3000′, then
6% up to FL140 due to ATC purposes.

DEPES 5B, 5H
6% up to FL140 due to ATC purposes.

GAI 5A
11% up to 3000′, then
6% up to FL70 due to ATC purposes.

GAI 5B, 5H
6% up to FL70 due to ATC purposes.

Gnd speed-KT	75	100	150	200	250	300
11% V/V(fpm)	835	1114	1671	2228	2785	3342
6% V/V(fpm)	456	608	911	1215	1519	1823

If unable to comply inform ATC when requesting enroute clearance.

Initial climb clearance **FL70**

SID	RWY	ROUTING
DEPES 5A ❷❸	**14L/R**	Intercept TOU R-143 climbing to assigned altitude, at or above 4000′, but not before D8 TOU, turn LEFT, intercept GAI R-211 inbound to GAI, turn RIGHT, GAI R-056 to DEPES.
DEPES 5B ❷	**32L/R**	Intercept TOU R-143 inbound to TOU, turn RIGHT, 084° track, intercept TOU R-054 to GAI, GAI R-056 to DEPES.
DEPES 5H ❷❹	**14L/R**	Intercept TOU R-143, at 800′ turn LEFT, intercept GAI R-224 inbound to GAI, turn RIGHT, GAI R-056 to DEPES.
GAI 5A ❺		Intercept TOU R-143 climbing to assigned altitude, at or above 4000′, but not before D8 TOU, turn LEFT, intercept GAI R-211 inbound to GAI.
GAI 5B ❺	**32L/R**	Intercept TOU R-143 inbound to TOU, turn RIGHT, 084° track, intercept TOU R-054 to GAI.
GAI 5H ❹❺	**14L/R**	Intercept TOU R-143, at 800′ turn LEFT, intercept GAI R-224 inbound to GAI.

❷ For flights into lower airspace.
❸ Not for piston acft & helicopter.
❹ For piston acft & helicopter, prop acft by ATC.
❺ For flights within FIR with destination LFCC, LFCI, LFCR, LFLW & LFSL.

CHANGES: GAI SIDs availability.

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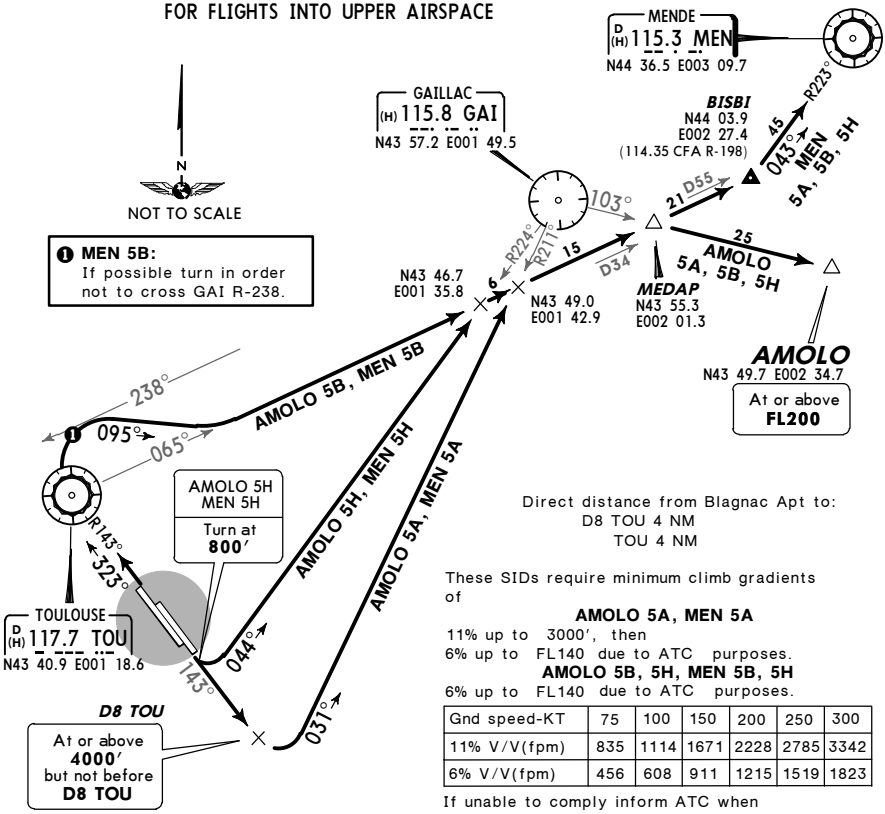
Apt Elev 499′	Trans level: By ATC Trans alt: 5000′ SIDs include minimum noise routings.

AMOLO 5A *[AMOL5A]*
AMOLO 5B *[AMOL5B]*, AMOLO 5H *[AMOL5H]*
MEN 5A, MEN 5B, MEN 5H
RWYS 14L/R, 32L/R DEPARTURES
FOR FLIGHTS INTO UPPER AIRSPACE



Direct distance from Blagnac Apt to:
D8 TOU 4 NM
TOU 4 NM

These SIDs require minimum climb gradients of

AMOLO 5A, MEN 5A

11% up to 3000′, then
6% up to FL140 due to ATC purposes.

AMOLO 5B, 5H, MEN 5B, 5H

6% up to FL140 due to ATC purposes.

Gnd speed-KT	75	100	150	200	250	300
11% V/V(fpm)	835	1114	1671	2228	2785	3342
6% V/V(fpm)	456	608	911	1215	1519	1823

If unable to comply inform ATC when requesting enroute clearance.

Initial climb clearance **FL70**

SID	RWY	ROUTING
AMOLO 5A ❷	**14L/R**	Intercept TOU R-143 climbing to assigned altitude, at or above 4000′, but not before D8 TOU, turn LEFT, intercept GAI R-211 inbound, intercept TOU R-065 to MEDAP, turn RIGHT, intercept GAI R-103 to AMOLO.
AMOLO 5B	**32L/R**	Intercept TOU R-143 inbound to TOU, turn RIGHT, 095° track, intercept TOU R-065 to MEDAP, turn RIGHT, intercept GAI R-103 to AMOLO.
AMOLO 5H ❸	**14L/R**	Intercept TOU R-143, at 800′ turn LEFT, intercept GAI R-224 inbound, intercept TOU R-065 to MEDAP, turn RIGHT, intercept GAI R-103 to AMOLO.
MEN 5A ❷		Intercept TOU R-143 climbing to assigned altitude, at or above 4000′, but not before D8 TOU, turn LEFT, intercept GAI R-211 inbound, intercept TOU R-065 to BISBI, turn LEFT, intercept MEN R-223 inbound to MEN.
MEN 5B	**32L/R**	Intercept TOU R-143 inbound to TOU, turn RIGHT, 095° track, intercept TOU R-065 to BISBI, turn LEFT, intercept MEN R-223 inbound to MEN.
MEN 5H ❸	**14L/R**	Intercept TOU R-143, at 800′ turn LEFT, intercept GAI R-224 inbound, intercept TOU R-065 to BISBI, turn LEFT, intercept MEN R-223 inbound to MEN.

❷ Not for piston acft & helicopter. ❸ For piston acft & helicopter, prop acft by ATC.

CHANGES: None.

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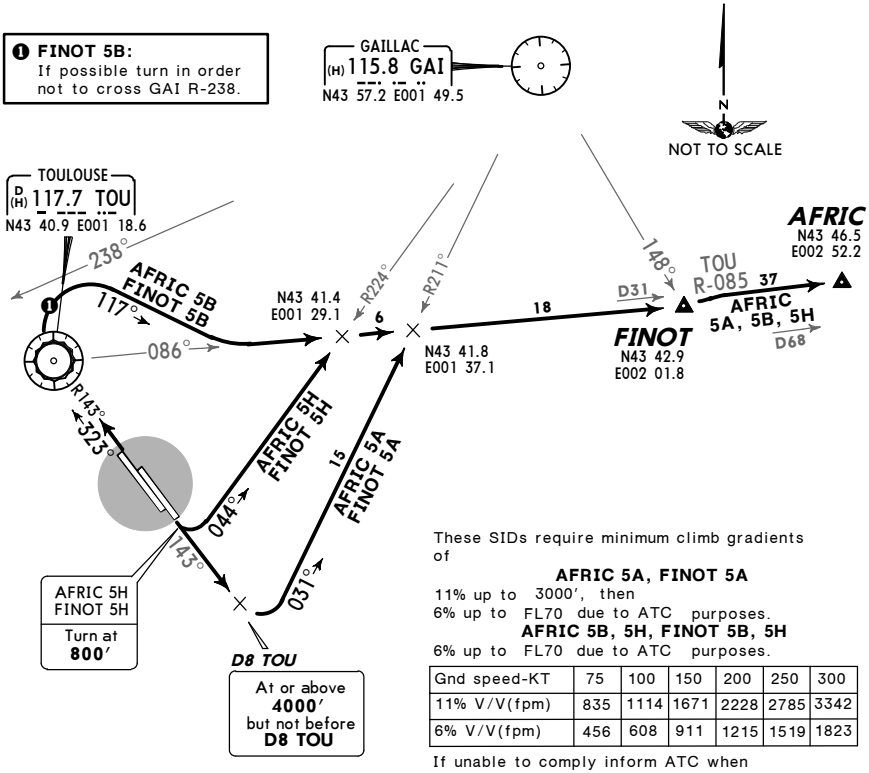
Apt Elev 499′

Trans level: By ATC Trans alt: 5000′
SIDs include minimum noise routings.

No MSA published

AFRIC 5A *[AFRI5A]*, AFRIC 5B *[AFRI5B]* AFRIC 5H *[AFRI5H]*, FINOT 5A *[FINO5A]* FINOT 5B *[FINO5B]*, FINOT 5H *[FINO5H]* RWYS 14L/R, 32L/R DEPARTURES

FOR FLIGHTS INTO LOWER AIRSPACE



These SIDs require minimum climb gradients of

AFRIC 5A, FINOT 5A

11% up to 3000′, then
6% up to FL70 due to ATC purposes.

AFRIC 5B, 5H, FINOT 5B, 5H

6% up to FL70 due to ATC purposes.

Gnd speed-KT	75	100	150	200	250	300
11% V/V(fpm)	835	1114	1671	2228	2785	3342
6% V/V(fpm)	456	608	911	1215	1519	1823

If unable to comply inform ATC when requesting enroute clearance.

Initial climb clearance **FL70**

SID	RWY	ROUTING
AFRIC 5A ❷	**14L/R**	Intercept TOU R-143 climbing to assigned altitude, at or above 4000′, but not before D8 TOU, turn LEFT, intercept GAI R-211 inbound, intercept TOU R-086 to FINOT, turn LEFT, intercept TOU R-085 to AFRIC.
AFRIC 5B	**32L/R**	Intercept TOU R-143 inbound to TOU, turn RIGHT, 117° track, intercept TOU R-086 to FINOT, turn LEFT, intercept TOU R-085 to AFRIC.
AFRIC 5H ❹	**14L/R**	Intercept TOU R-143, at 800′ turn LEFT, intercept GAI R-224 inbound, intercept TOU R-086 to FINOT, turn LEFT, intercept TOU R-085 to AFRIC.
FINOT 5A ❷❸		Intercept TOU R-143 climbing to assigned altitude, at or above 4000′, but not before D8 TOU, turn LEFT, intercept GAI R-211 inbound, intercept TOU R-086 to FINOT.
FINOT 5B ❸	**32L/R**	Intercept TOU R-143 inbound to TOU, turn RIGHT, 117° track, intercept TOU R-086 to FINOT.
FINOT 5H ❸❹	**14L/R**	Intercept TOU R-143, at 800′ turn LEFT, intercept GAI R-224 inbound, intercept TOU R-086 to FINOT.

❷ Not for piston acft & helicopter.
❸ For flights with destination LFCI, LFCK, LFMK, LFMP & Spain.
❹ For piston acft & helicopter, prop acft by ATC.

CHANGES: Radial/track update.

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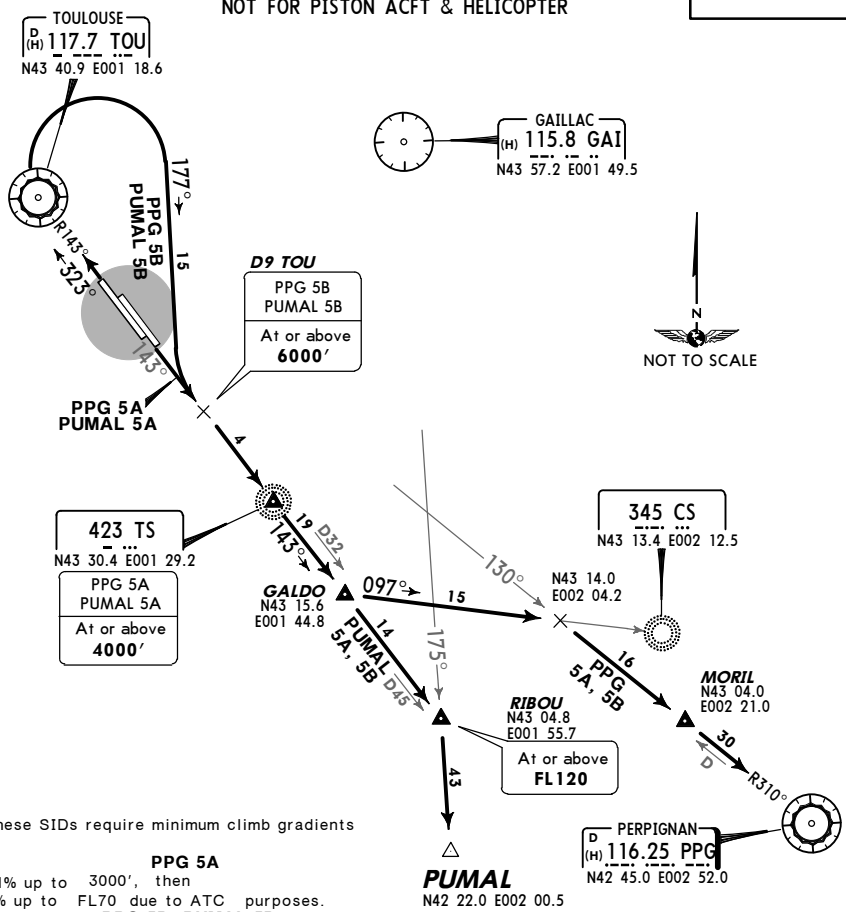
Apt Elev 499′	Trans level: By ATC Trans alt: 5000′ SIDs include minimum noise routings.

No MSA published

PPG 5A, PPG 5B
PUMAL 5A *[PUMA5A]*, PUMAL 5B *[PUMA5B]*
RWYS 14L/R, 32L/R DEPARTURES
NOT FOR PISTON ACFT & HELICOPTER



These SIDs require minimum climb gradients of

PPG 5A
11% up to 3000′, then
6% up to FL70 due to ATC purposes.

PPG 5B, PUMAL 5B
6% up to FL70 due to ATC purposes.

PUMAL 5A
11% up to 3000′, then
6% up to FL110 due to ATC purposes.
If unable to comply inform ATC when requesting enroute clearance.

Gnd speed-KT	75	100	150	200	250	300
11% V/V(fpm)	835	1114	1671	2228	2785	3342
6% V/V(fpm)	456	608	911	1215	1519	1823

Initial climb clearance **FL70**

SID	RWY	ROUTING
PPG 5A	**14L/R**	Intercept TOU R-143 to GALDO, turn LEFT, intercept 097° bearing towards CS, intercept TOU R-130 to PPG.
PPG 5B	**32L/R**	Intercept TOU R-143 inbound to TOU, turn RIGHT, 177° track, intercept TOU R-143 to GALDO, turn LEFT, intercept 097° bearing towards CS, intercept TOU R-130 to PPG.
PUMAL 5A	**14L/R**	Intercept TOU R-143 to RIBOU, turn RIGHT, intercept GAI R-175 to PUMAL.
PUMAL 5B	**32L/R**	Intercept TOU R-143 inbound to TOU, turn RIGHT, 177° track, intercept TOU R-143 to RIBOU, turn RIGHT, intercept GAI R-175 to PUMAL.

CHANGES: Radial/track update.

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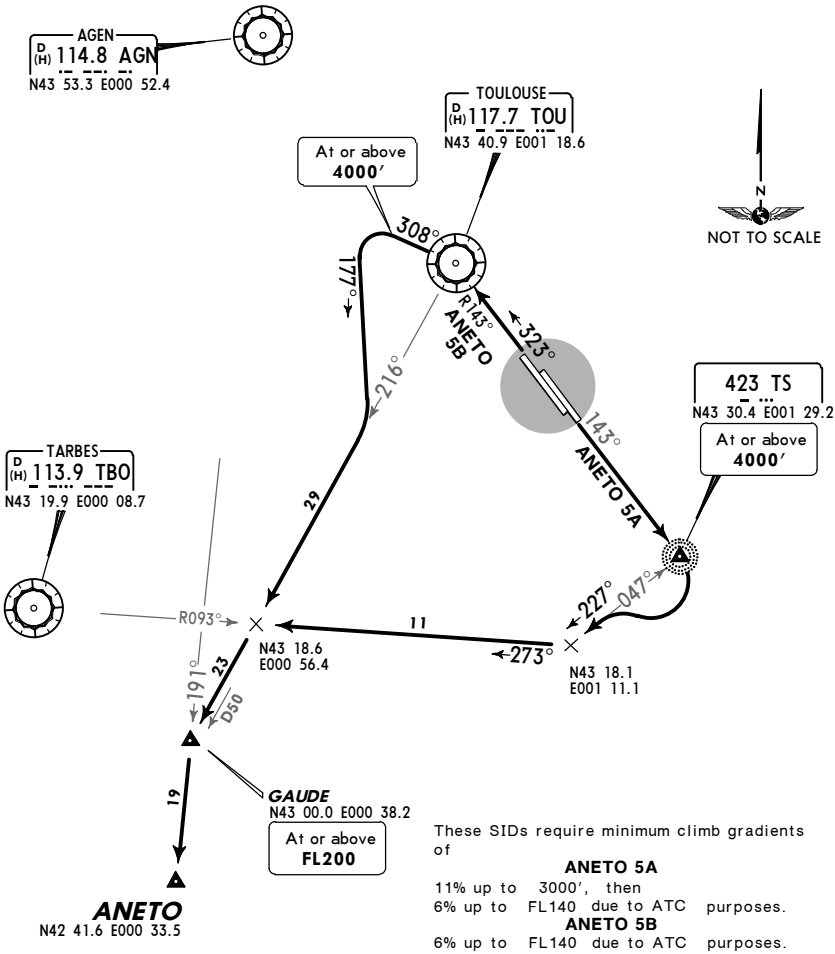
Apt Elev	
499′	Trans level: By ATC Trans alt: 5000′ SIDs include minimum noise routings.

No MSA published

ANETO 5A *[ANET5A]*, ANETO 5B *[ANET5B]*
RWYS 14L/R, 32L/R DEPARTURES
FOR FLIGHTS INTO UPPER AIRSPACE



These SIDs require minimum climb gradients of

ANETO 5A

11% up to 3000′, then
6% up to FL140 due to ATC purposes.

ANETO 5B

6% up to FL140 due to ATC purposes.

Gnd speed-KT	75	100	150	200	250	300
11% V/V(fpm)	835	1114	1671	2228	2785	3342
6% V/V(fpm)	456	608	911	1215	1519	1823

If unable to comply inform ATC when requesting enroute clearance.

Initial climb clearance **FL70**

SID	RWY	ROUTING
ANETO 5A	**14L/R**	Intercept TOU R-143 to TS, turn RIGHT, intercept 227° bearing from TS, intercept TBO R-093 inbound, intercept TOU R-216 to GAUDE, turn LEFT, intercept AGN R-191 to ANETO.
ANETO 5B	**32L/R**	Intercept TOU R-143 inbound to TOU, turn LEFT, TOU R-308, at or above 4000′ turn LEFT, 177° track, intercept TOU R-216 to GAUDE, turn LEFT, intercept AGN R-191 to ANETO.

CHANGES: Radial/track update.

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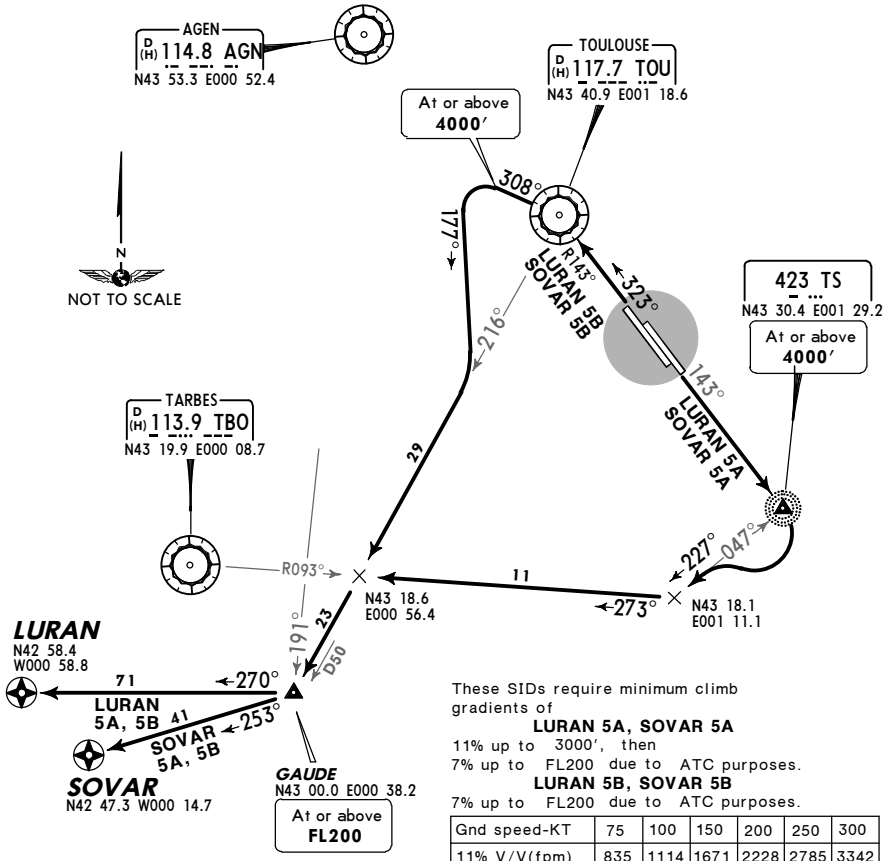
Apt Elev	
499′	Trans level: By ATC Trans alt: 5000′ SIDs include minimum noise routings.

No MSA published

LURAN 5A *[LURA5A]*, LURAN 5B *[LURA5B]*
SOVAR 5A *[SOVA5A]*, SOVAR 5B *[SOVA5B]*
RWYS 14L/R, 32L/R DEPARTURES
FOR FLIGHTS INTO UPPER AIRSPACE



These SIDs require minimum climb gradients of

LURAN 5A, SOVAR 5A

11% up to 3000′, then
7% up to FL200 due to ATC purposes.

LURAN 5B, SOVAR 5B

7% up to FL200 due to ATC purposes.

Gnd speed-KT	75	100	150	200	250	300
11% V/V(fpm)	835	1114	1671	2228	2785	3342
7% V/V(fpm)	532	709	1063	1418	1772	2117

If unable to comply inform ATC when requesting enroute clearance.

Initial climb clearance **FL70**

SID	RWY	ROUTING
LURAN 5A	**14L/R**	Intercept TOU R-143 to TS, turn RIGHT, intercept 227° bearing from TS, intercept TBO R-093 inbound, intercept TOU R-216 to GAUDE, turn RIGHT, 270° track to LURAN.
LURAN 5B	**32L/R**	Intercept TOU R-143 inbound to TOU, turn LEFT, TOU R-308, at or above 4000′ turn LEFT, 177° track, intercept TOU R-216 to GAUDE, turn RIGHT, 270° track to LURAN.
SOVAR 5A	**14L/R**	Intercept TOU R-143 to TS, turn RIGHT, intercept 227° bearing from TS, intercept TBO R-093 inbound, intercept TOU R-216 to GAUDE, turn RIGHT, 253° track to SOVAR.
SOVAR 5B	**32L/R**	Intercept TOU R-143 inbound to TOU, turn LEFT, TOU R-308, at or above 4000′ turn LEFT, 177° track, intercept TOU R-216 to GAUDE, turn RIGHT, 253° track to SOVAR.

CHANGES: Radial/track update.

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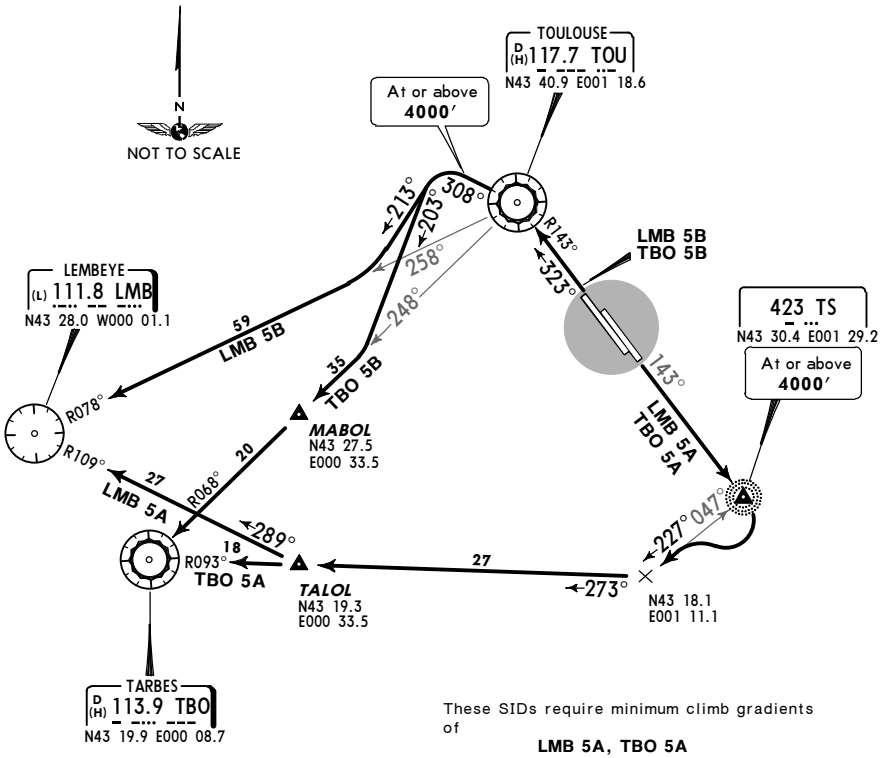
Apt Elev 499′	Trans level: By ATC Trans alt: 5000′ SIDs include minimum noise routings.

No MSA published

LMB 5A, LMB 5B, TBO 5A, TBO 5B
RWYS 14L/R, 32L/R DEPARTURES



These SIDs require minimum climb gradients of

LMB 5A, TBO 5A

11% up to 3000′, then
6% up to FL70 due to ATC purposes.

LMB 5B, TBO 5B

6% up to FL70 due to ATC purposes.

Gnd speed-KT	75	100	150	200	250	300
11% V/V(fpm)	835	1114	1671	2228	2785	3342
6% V/V(fpm)	456	608	911	1215	1519	1823

If unable to comply inform ATC when requesting enroute clearance.

Initial climb clearance **FL70**

SID	RWY	ROUTING
LMB 5A ❶	**14L/R**	Intercept TOU R-143 to TS, turn RIGHT, intercept 227° bearing from TS, intercept TBO R-093 inbound to TALOL, turn RIGHT, intercept LMB R-109 inbound to LMB.
LMB 5B ❶	**32L/R**	Intercept TOU R-143 inbound to TOU, turn LEFT, TOU R-308, at or above 4000′ turn LEFT, 213° track, intercept TOU R-258 to LMB.
TBO 5A ❷	**14L/R**	Intercept TOU R-143 to TS, turn RIGHT, intercept 227° bearing from TS, intercept TBO R-093 inbound to TBO.
TBO 5B ❷	**32L/R**	Intercept TOU R-143 inbound to TOU, turn LEFT, TOU R-308, at or above 4000′ turn LEFT, 203° track, intercept TOU R-248 to TBO.

❶ For flights into lower airspace.
❷ For flights to LFBP & LFBT at or below FL140.

CHANGES: Radial/track update.

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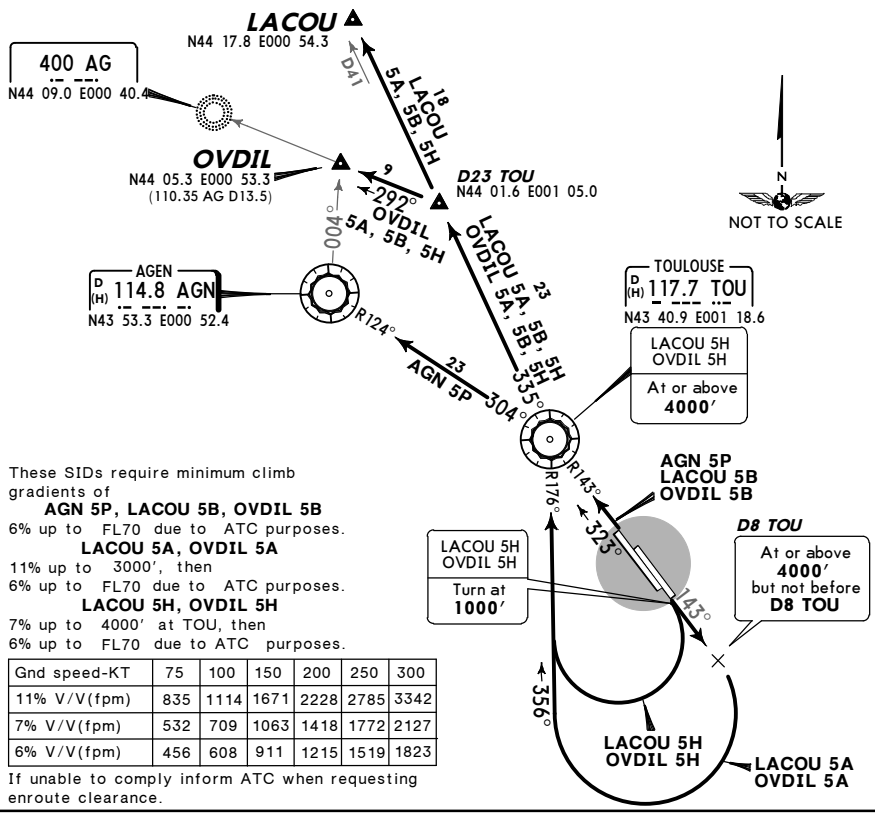
Apt Elev 499′

Trans level: By ATC Trans alt: 5000′
SIDs include minimum noise routings.

No MSA published

AGN 5P, LACOU 5A *[LACO5A]*, LACOU 5B *[LACO5B]* LACOU 5H *[LACO5H]*, OVDIL 5A *[OVDI5A]* OVDIL 5B *[OVDI5B]*, OVDIL 5H *[OVDI5H]* RWYS 32L/R, 14L/R DEPARTURES



These SIDs require minimum climb gradients of

AGN 5P, LACOU 5B, OVDIL 5B
6% up to FL70 due to ATC purposes.

LACOU 5A, OVDIL 5A
11% up to 3000′, then
6% up to FL70 due to ATC purposes.

LACOU 5H, OVDIL 5H
7% up to 4000′ at TOU, then
6% up to FL70 due to ATC purposes.

Gnd speed-KT	75	100	150	200	250	300
11% V/V(fpm)	835	1114	1671	2228	2785	3342
7% V/V(fpm)	532	709	1063	1418	1772	2127
6% V/V(fpm)	456	608	911	1215	1519	1823

If unable to comply inform ATC when requesting enroute clearance.

Initial climb clearance **FL70**

SID	RWY	ROUTING
AGN 5P❷	**32L/R**	Intercept TOU R-143 inbound to TOU, turn LEFT, TOU R-304 to AGN.
LACOU 5A❶	**14L/R**	Intercept TOU R-143 climbing to assigned altitude, at or above 4000′, but not before D8 TOU, turn RIGHT, intercept TOU R-176 inbound to TOU, turn LEFT, TOU R-335 to LACOU.
LACOU 5B❶	**32L/R**	Intercept TOU R-143 inbound to TOU, turn RIGHT, TOU R-335 to LACOU.
LACOU 5H❷	**14L/R**	Intercept TOU R-143, at 1000′ turn RIGHT, intercept TOU R-176 inbound to TOU, turn LEFT, TOU R-335 to LACOU.
OVDIL 5A❶❸		Intercept TOU R-143 climbing to assigned altitude, at or above 4000′, but not before D8 TOU, turn RIGHT, intercept TOU R-176 inbound to TOU, turn LEFT, TOU R-335, intercept 292° bearing towards AG to OVDIL.
OVDIL 5B❶❸	**32L/R**	Intercept TOU R-143 inbound to TOU, turn RIGHT, TOU R-335 to D23 TOU, turn LEFT, intercept 292° bearing towards AG to OVDIL.
OVDIL 5H❷❸	**14L/R**	Intercept TOU R-143, at 1000′ turn RIGHT, intercept TOU R-176 inbound to to TOU, turn LEFT, TOU R-335 to D23 TOU, turn LEFT, intercept 292° bearing towards AG to OVDIL.

❶ Not for piston acft & helicopter.
❷ For piston acft & helicopter, prop acft by ATC.
❸ Only for flights to LFBA, at or below FL140.

CHANGES: Radial/track update.

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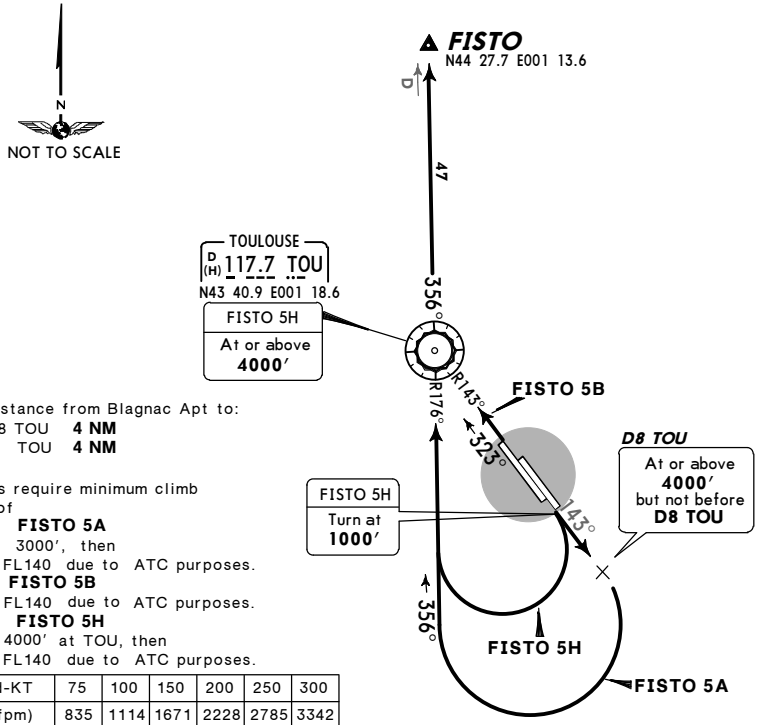
Apt Elev 499′	Trans level: By ATC Trans alt: 5000′ SIDs include minimum noise routings.

FISTO 5A *[FIST5A]*, FISTO 5B *[FIST5B]*
FISTO 5H *[FIST5H]*
RWYS 14L/R, 32L/R DEPARTURES
FOR FLIGHTS INTO UPPER AIRSPACE



Direct distance from Blagnac Apt to:
D8 TOU **4 NM**
TOU **4 NM**

These SIDs require minimum climb gradients of

FISTO 5A
11% up to 3000′, then
6% up to FL140 due to ATC purposes.

FISTO 5B
6% up to FL140 due to ATC purposes.

FISTO 5H
7% up to 4000′ at TOU, then
6% up to FL140 due to ATC purposes.

Gnd speed-KT	75	100	150	200	250	300
11% V/V(fpm)	835	1114	1671	2228	2785	3342
7% V/V(fpm)	532	709	1063	1418	1772	2127
6% V/V(fpm)	456	608	911	1215	1519	1823

If unable to comply inform ATC when requesting enroute clearance.

Initial climb clearance **FL70**

SID	RWY	ROUTING
FISTO 5A ❶	**14L/R**	Intercept TOU R-143 climbing to assigned altitude, at or above 4000′, but not before D8 TOU, turn RIGHT, intercept TOU R-176 inbound to TOU, TOU R-356 to FISTO.
FISTO 5B	**32L/R**	Intercept TOU R-143 inbound to TOU, turn RIGHT, TOU R-356 to FISTO.
FISTO 5H ❷	**14L/R**	Intercept TOU R-143, at 1000′ turn RIGHT, intercept TOU R-176 inbound to TOU, TOU R-356 to FISTO.

❶ Not for piston acft & helicopter. ❷ For piston acft & helicopter, prop acft by ATC.

RWYS 14L/R, 32L/R OMNIDIRECTIONAL DEPARTURES
BY ATC

RWY	ROUTING
14L/R	Climb on 143° track to 1000′, then depart omnidirectional and climb to enroute safe altitude.
32L/R	Climb on 323° track to 1000′, then depart omnidirectional and climb to enroute safe altitude.

CHANGES: None.

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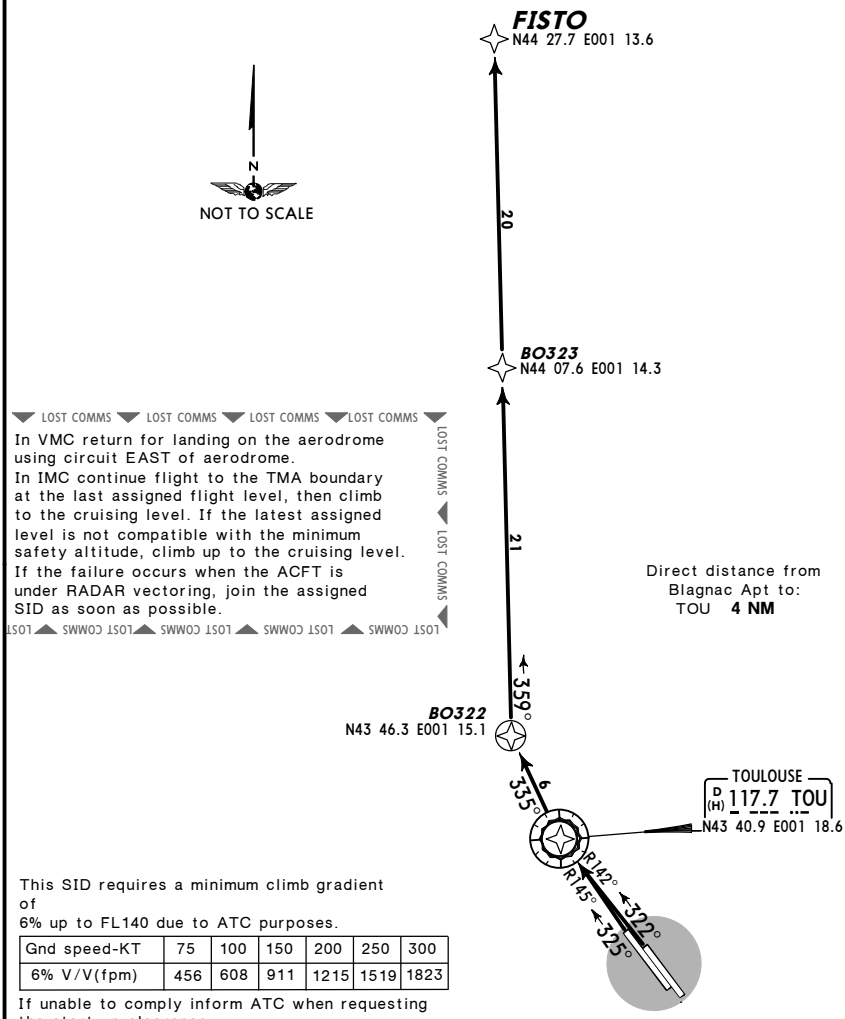
Apt Elev 499′	Trans level: By ATC Trans alt: 5000′ SID includes minimum noise routing.

FISTO 5P *[FIST5P]*
RWYS 32L/R P-RNAV DEPARTURE
RNAV (GNSS AND DME/DME)
GNSS REQUIRED
SPEED: MAX 250 KT BELOW FL100



This SID requires a minimum climb gradient of
6% up to FL140 due to ATC purposes.

Gnd speed-KT	75	100	150	200	250	300
6% V/V(fpm)	456	608	911	1215	1519	1823

If unable to comply inform ATC when requesting the start-up clearance.

Initial climb clearance **FL70**

ROUTING

TOU - BO322 - BO323 - FISTO.

CHANGES: New chart (FISTO P-RNAV SID transferred).

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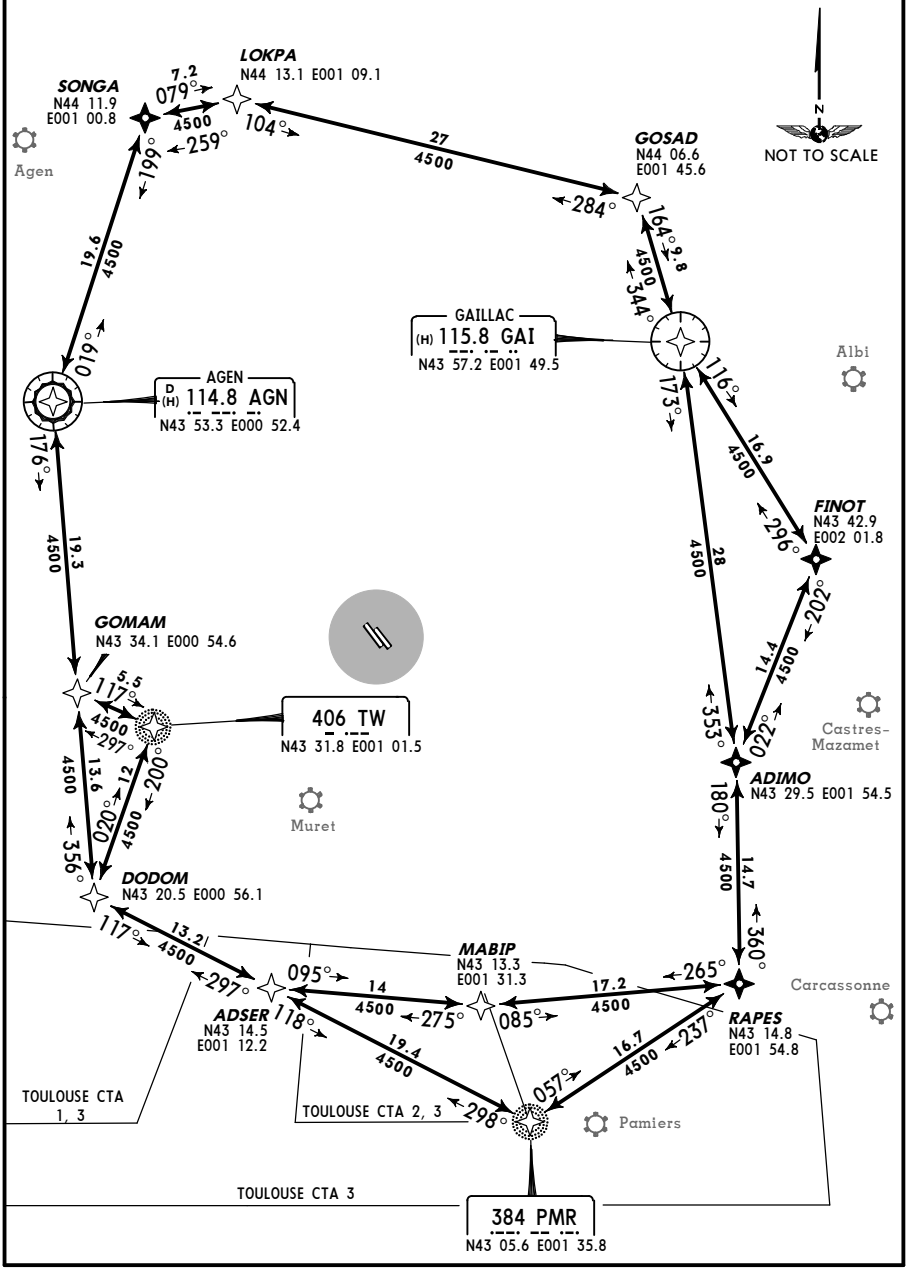
Apt Elev 499'	Trans level: By ATC Trans alt: 5000' Report on start-up if unable to follow RNAV routes. A conventional route will be proposed with a possible radar guidance.

RNAV DEPARTURES (POGO)

CONNECTIONS BETWEEN APT AGEN - ALBI - CASTRES-MAZAMET - CARCASSONNE - PAMIERS - MURET

WHEN CTA TOULOUSE 1, 2 AND 3 ACTIVE PREFER NORTHERNBY-PASS



CHANGES: FISTO P-RNAV SID transferred; RNAV POGO departures established.

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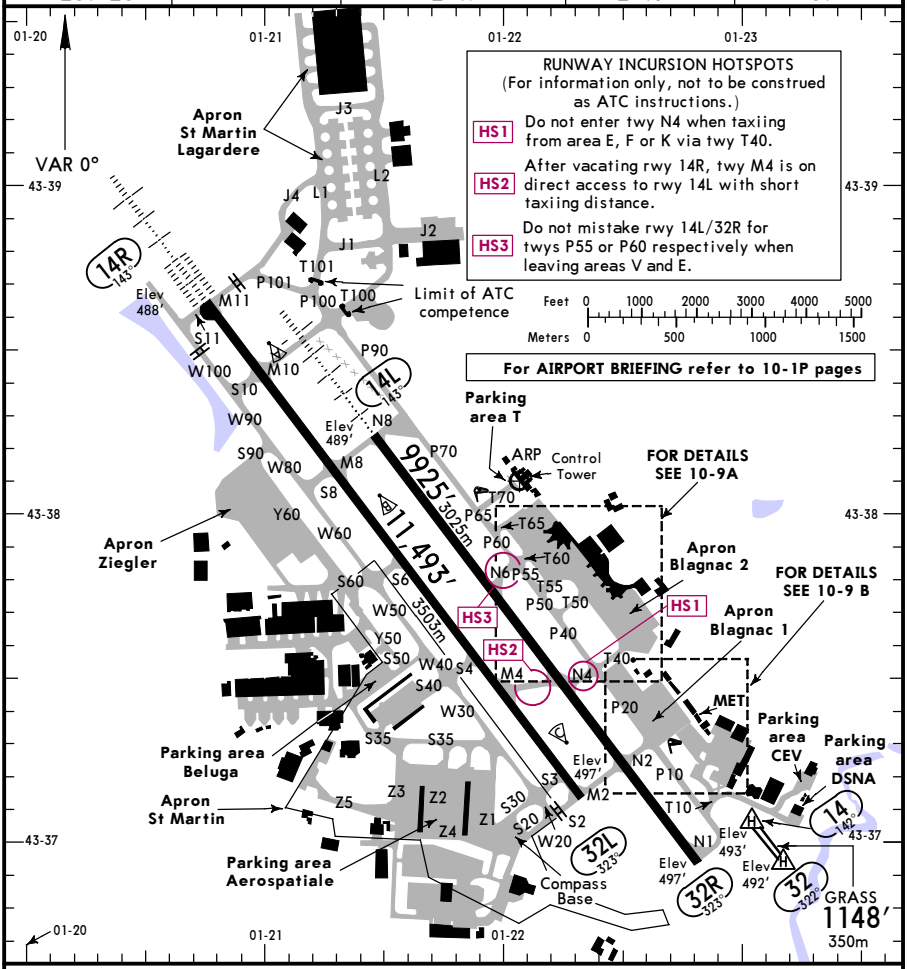
LFBO/TLS

Apt Elev **499′**
N43 38.1 E001 22.1

JEPPESEN
22 APR 16 (10-9) **Eff 28 Apr**

TOULOUSE, FRANCE
BLAGNAC

ATIS	ACARS:	BLAGNAC Flight Data (Cpt)	BLAGNAC Ground	Tower
123.125	DCL	121.7	121.9	118.1



ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS — LANDING BEYOND Threshold	Glide Slope	TAKE-OFF	WIDTH
14 32					98′ 30m
14L 32R	HIRL (60m) HIALS RVR HIRL (60m) REIL RVR		9014′ 2747m		148′ 45m
14R 32L	HIRL (60m) CL (15m) HIALS-II SFL TDZ PAPI-R RVR HIRL (60m) CL (15m) PAPI-L RVR		10,399′ 3170m 10,582′ 3225m		148′ 45m

Standard

TAKE-OFF [1]

	RWY 14R/32L LVP must be in Force — Approved Operators: HIRL, CL & mult. RVR req	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RWY 14L/32R RWY 14R/32L: RCLM (DAY only) or RL	NIL (DAY only)
A	125m	150m	200m	250m	400m	500m
B						
C						
D	150m	200m	250m	300m		

[1] Operators applying U.S. Ops Specs: CL required below 300m; HUD required below 150m.

CHANGES: None.

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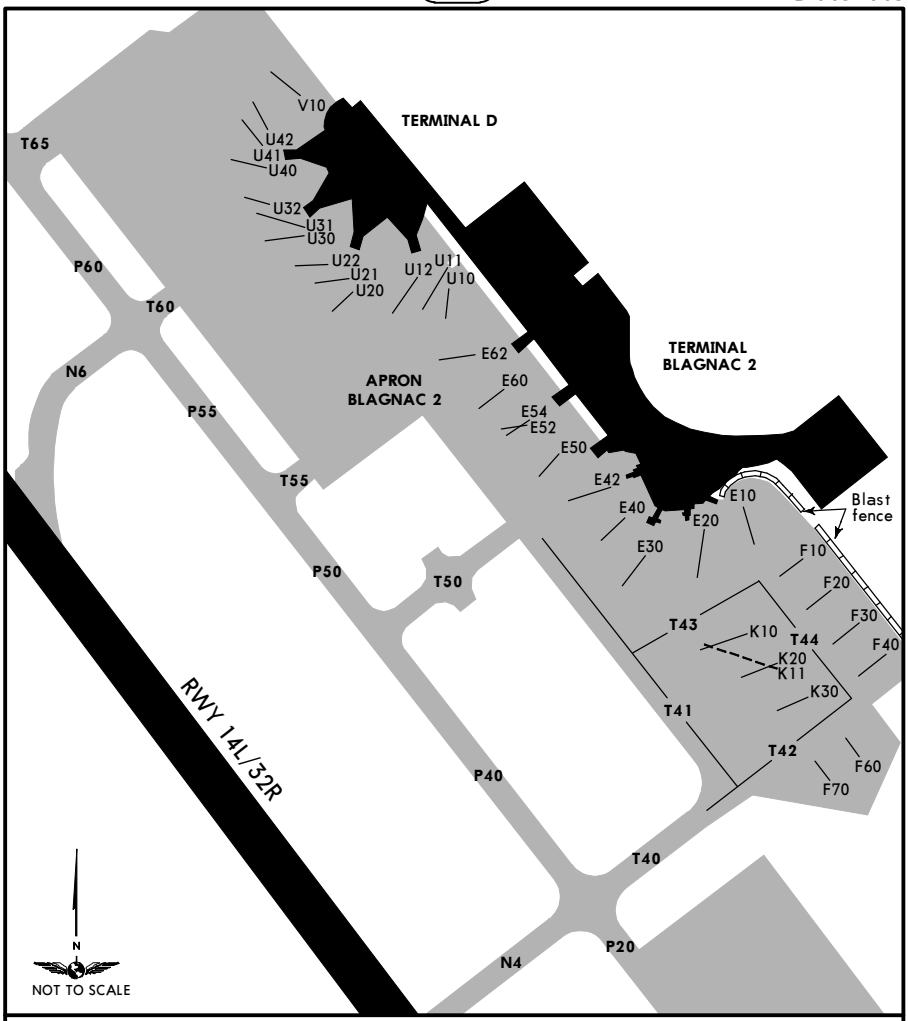

INS COORDINATES

STAND No.	COORDINATES
E10	N43 37.8 E001 22.5
E20, E30	N43 37.7 E001 22.5
E40 thru E60	N43 37.8 E001 22.4
E62	N43 37.8 E001 22.3
F10 thru F40	N43 37.7 E001 22.6
F60, F70	N43 37.6 E001 22.6
K10 thru K20	N43 37.7 E001 22.5
K30	N43 37.6 E001 22.5
U10 thru U12	N43 37.9 E001 22.3
U20 thru U41	N43 37.9 E001 22.2
U42	N43 38.0 E001 22.2
V10	N43 38.0 E001 22.0

CHANGES: Stands. TWY guidelines.

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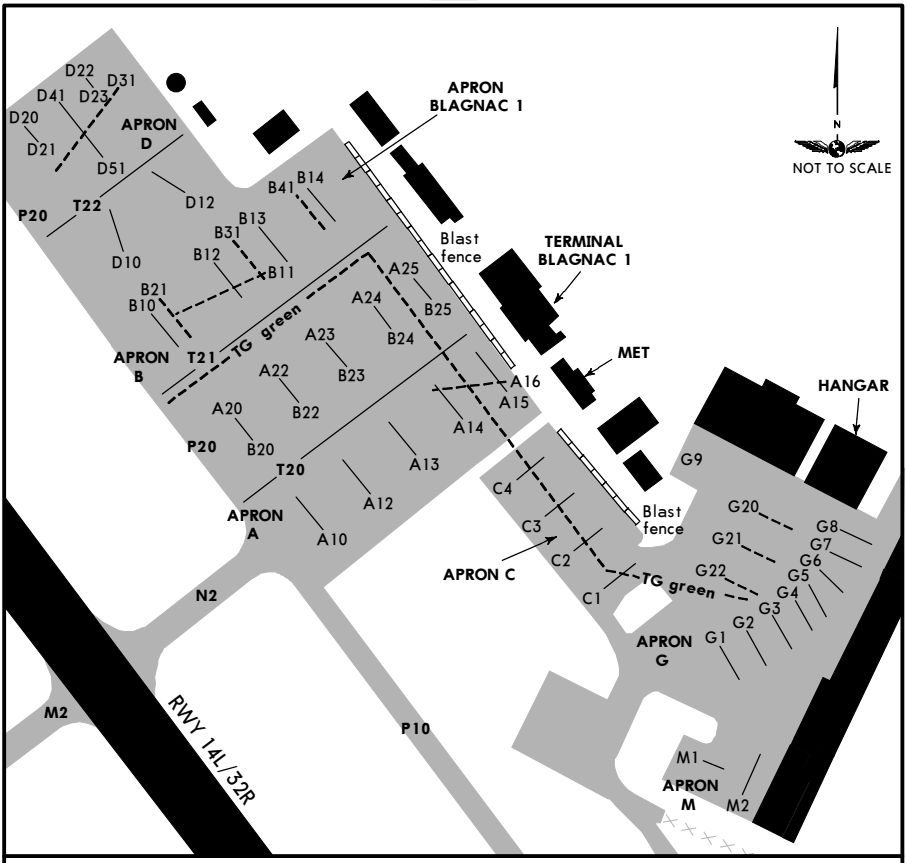

INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
A10 thru A13	N43 37.3 E001 22.7	C1 thru C4	N43 37.3 E001 22.8
A14	N43 37.4 E001 22.7	D10	N43 37.5 E001 22.5
A15, A16	N43 37.4 E001 22.8	D12	N43 37.5 E001 22.6
A20, A22	N43 37.4 E001 22.6	D20 thru D51	N43 37.5 E001 22.5
A23 thru A25	N43 37.4 E001 22.7	G1, G2	N43 37.3 E001 22.9
B10 thru B12	N43 37.4 E001 22.6	G3 thru G8	N43 37.3 E001 23.0
B13, B14	N43 37.5 E001 22.6	G9	N43 37.4 E001 22.9
B20, B21	N43 37.4 E001 22.6	G20 thru G22	N43 37.3 E001 22.9
B22 thru B25	N43 37.4 E001 22.7	M1, M2	N43 37.2 E001 22.9
B31, B41	N43 37.5 E001 22.6		

CHANGES: Twys.

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LFBO/TLS
BLAGNAC

JEPPESEN

10 OCT 14
Eff 16 Oct

(11-1)

TOULOUSE, FRANCE
CONVENTIONAL ILS or LOC Rwy 14L

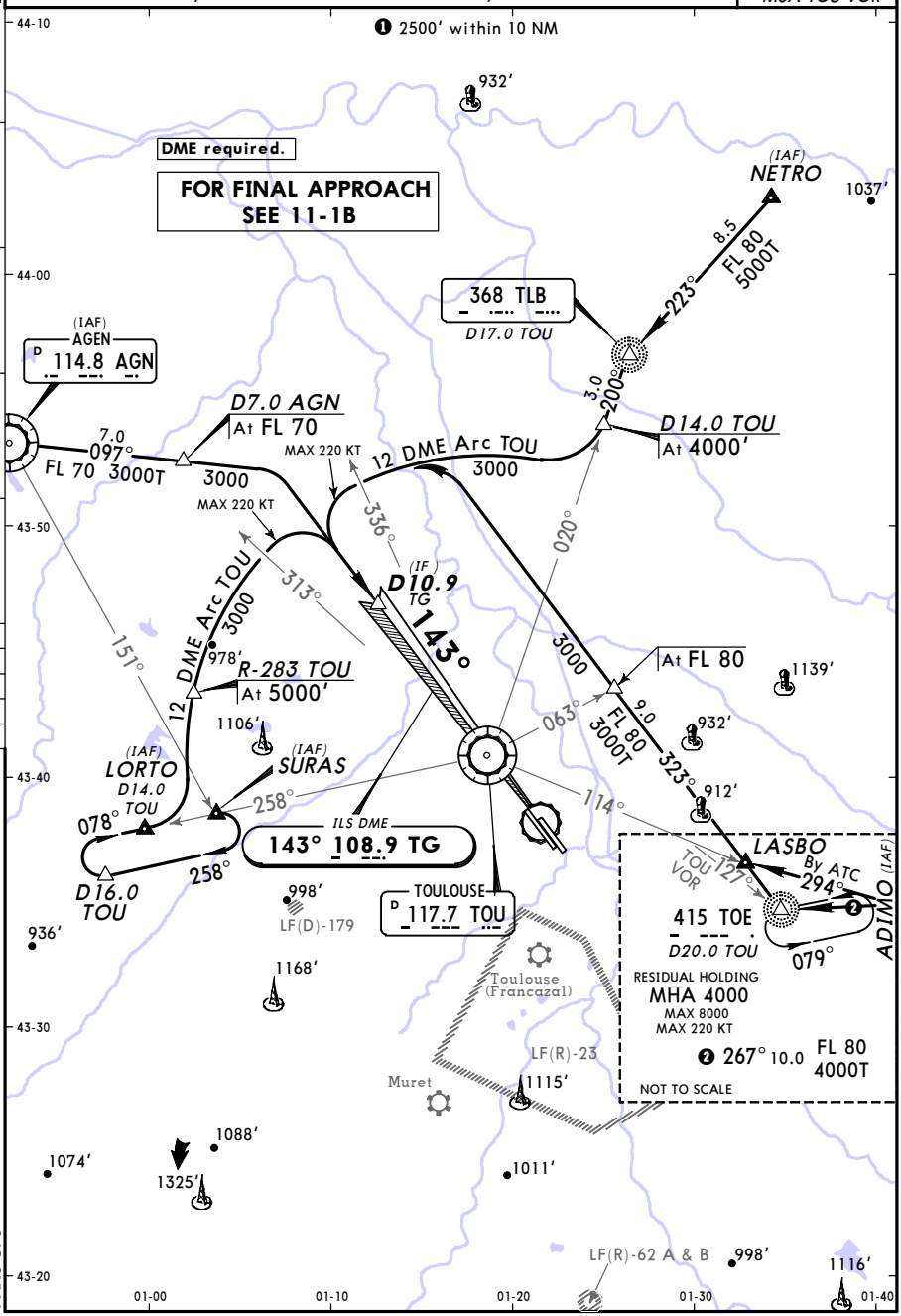
ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
			West Sector	East Sector			
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

BRIEFING STRIP

LOC TG 108.9	Final Apch Crs 143°	GS Refer to chart 11-1B	ILS DA(H) Refer to chart 11-1B	Apt Elev 499′ RWY 489′

Alt Set: hPa | Rwy Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶
MSA TOU VOR



PANS OPS

CHANGES: Procedure designation.

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LFBO/TLS
BLAGNAC

JEPPESEN

10 OCT 14
Eff 16 Oct

(11-1A)

TOULOUSE, FRANCE
RNAV ILS or LOC Rwy 14L

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach			BLAGNAC Tower	Ground
			West Sector	East Sector		
123.125	121.1	120.350 123.850	125.175	129.3	118.1	121.9

LOC	Final Apch Crs	GS	ILS DA(H)	Apt Elev 499'
TG 108.9	143°	Refer to chart 11-1B	Refer to chart 11-1B	RWY 489'

Alt Set: hPa | Rwy Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000'

3000'
MSA TOU VOR

BRIEFING STRIP

2500' within 10 NM

NOT TO SCALE

NARAK
49.9 NM to THR
At or below FL 150

NARAK 6A
18.0
220°

(IAF)
ABLIS
31.9 NM to THR
MAX FL 110
MIM FL 80

DME required.

FOR FINAL APPROACH
SEE 11-1B

985'

20.6
217°

(IAF)
AGN
28.0 NM to THR
FL 80

10.3
096°

NOT TO SCALE

BO5Ø8
17.6 NM to THR

BO5Ø9
16.4 NM to THR

6.3
142°

5.1
206°

(IF)
BO31Ø
11.3 NM to THR
MAX 210 KT
3000'

11.7
308°

BO5Ø6
28.1 NM to THR
FL 80

24.6
309°

(IAF)
ADIMO
52.7 NM to THR

NOT TO SCALE

BO5Ø7
16.7 NM to THR

5.4
079°

978'

936'

143°

ILS DME
143° 108.9 TG

TOULOUSE
D 117.7 TOU

1106'

9.0
024°

7.7
006°

(IAF)
SURAS
24.4 NM to THR
FL 80

912'

(IAF)
LORTO
25.7 NM to THR
FL 80

998'

LF(D)-179

Toulouse (Francazal)

1090'

1168'

LF(R)-23

10
5
0
5

44-00
43-50
43-40

01-00
01-10
01-20
01-30

PANS OPS

CHANGES: New procedure.

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LFBO/TLS
BLAGNAC

JEPPESEN

10 OCT 14 (11-1B) Eff 16 Oct

TOULOUSE, FRANCE
ILS or LOC Rwy 14L

BRIEFING STRIP TM

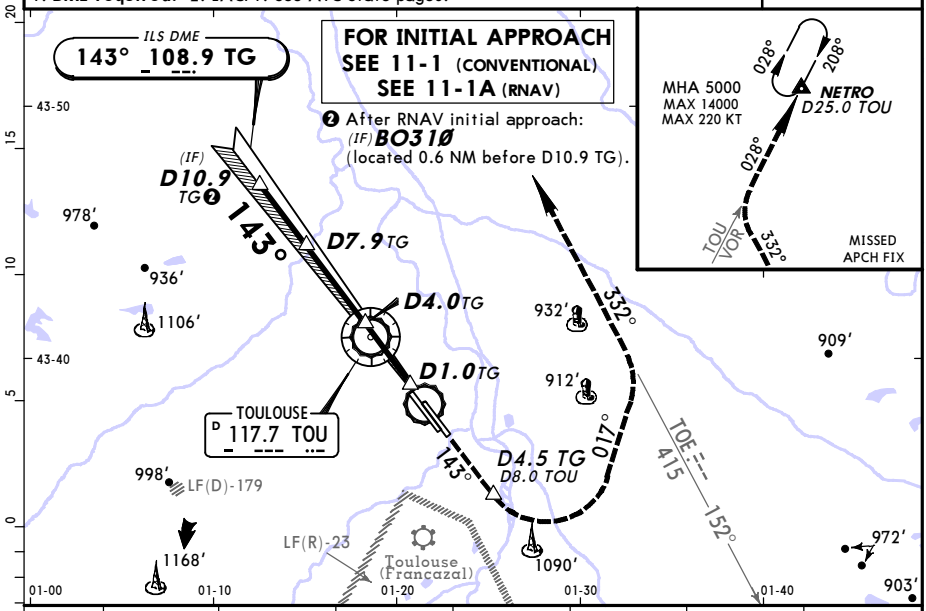
ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
				West Sector	East Sector		
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

LOC TG	Final Apch Crs	GS D4.0 TG	ILS DA(H)	Apt Elev / RWY
108.9	143°	1760′ (1271′)	Refer to Minimums	499′ / 489′

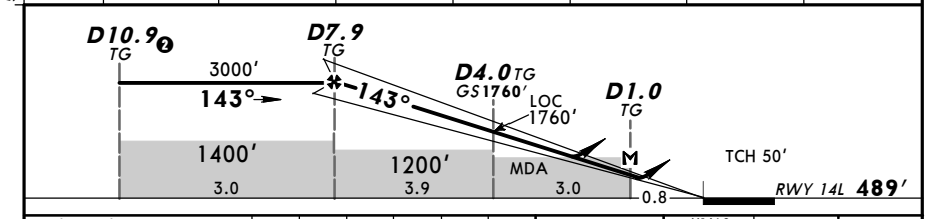
MISSED APCH: Climb on R-143 to D4.5 TG, then turn LEFT onto 017° climbing to 4000′ to intercept and follow 332° from TOE NDB. Proceed on R-028 to NETRO, or as directed.
Climb to 1500′ prior to level acceleration.

Alt Set: hPa Rwy Elev: 18 hPa Trans level: By ATC Trans alt: 5000′
1. **DME required.** 2. LACFT: See ATC State pages.

3000′ ❶
MSA TOU VOR
❶ 2500′ within 10 NM



LOC (GS out)	TG DME	7.0	6.0	5.0	4.0	3.0	2.0
	ALTITUDE	2720′	2400′	2080′	1760′	1440′	1120′



Gnd speed-Kts		70	90	100	120	140	160
ILS GS or LOC Descent Angle	3.00°	372	478	531	637	743	849
MAP at D1.0 TG							

HIALS
D4.5 TG
TOU on 117.7 R-143

PANS OPS

Standard STRAIGHT-IN LANDING RWY 14L

	ILS ❶			LOC (GS out) CDFA	
DA(H)	ABC: 689′ (200′)		D: 699′ (210′)	DA/MDA(H) ❸ 870′ (381′)	
	FULL	Limited	ALS out		ALS out
A	RVR 550m	RVR 750m	RVR 1200m	RVR 1000m	RVR 1500m
B					
C					RVR 1700m
D					

CIRCLE-TO-LAND ❷

Prohibited Northeast of runway

Max Kts	MDA(H)	VIS
110	1030′ (541′)	1500m
135	1050′ (561′)	1600m
180	1320′ (831′)	2400m
205	1320′ (831′)	3600m

❶ LACFT: DA(H) 709′ (220′). ❷ Circling height based on rwy 14L thresh elev of 489′.
❸ For add-on to the MDA(H), see ATC pages FRANCE.

CHANGES: Chart reindexed. Notes.

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LFBO/TLS
BLAGNAC

JEPPESEN

10 OCT 14
Eff 16 Oct

(11-2)

TOULOUSE, FRANCE
CONVENTIONAL ILS or LOC Rwy 14R

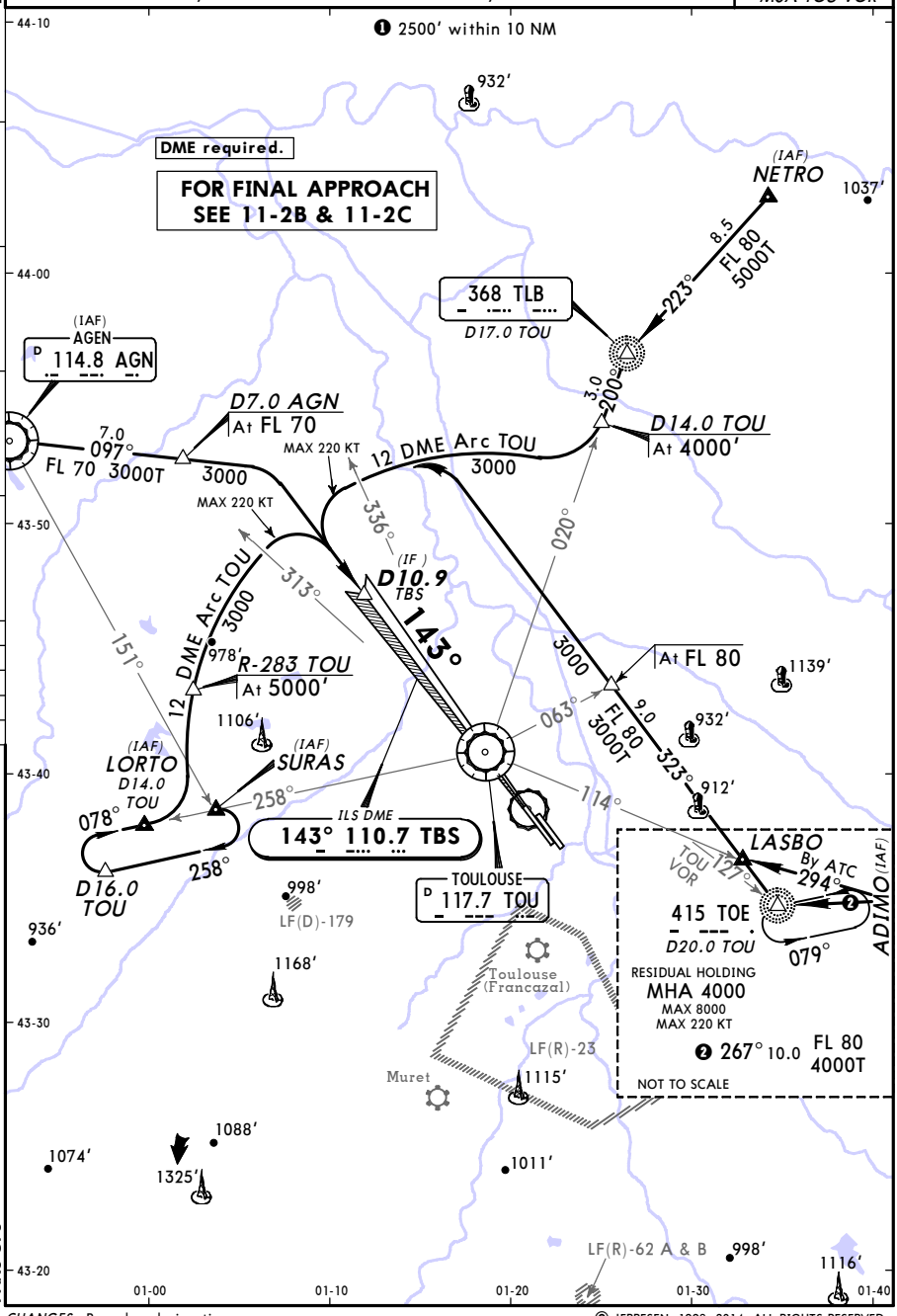
ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
			West Sector	East Sector			
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

BRIEFING STRIP

LOC	Final Apch Crs	GS	ILS DA(H)	
TBS 110.7	143°	Refer to charts 11-2B & 11-2C	Refer to charts 11-2B & 11-2C	Apt Elev 499′ RWY 488′

Alt Set: hPa | Rwy Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶
MSA TOU VOR



PANS OPS

CHANGES: Procedure designation.

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LFBO/TLS
BLAGNAC

JEPPESEN
10 OCT 14
Eff 16 Oct
(11-2A)

TOULOUSE, FRANCE
RNAV ILS or LOC Rwy 14R

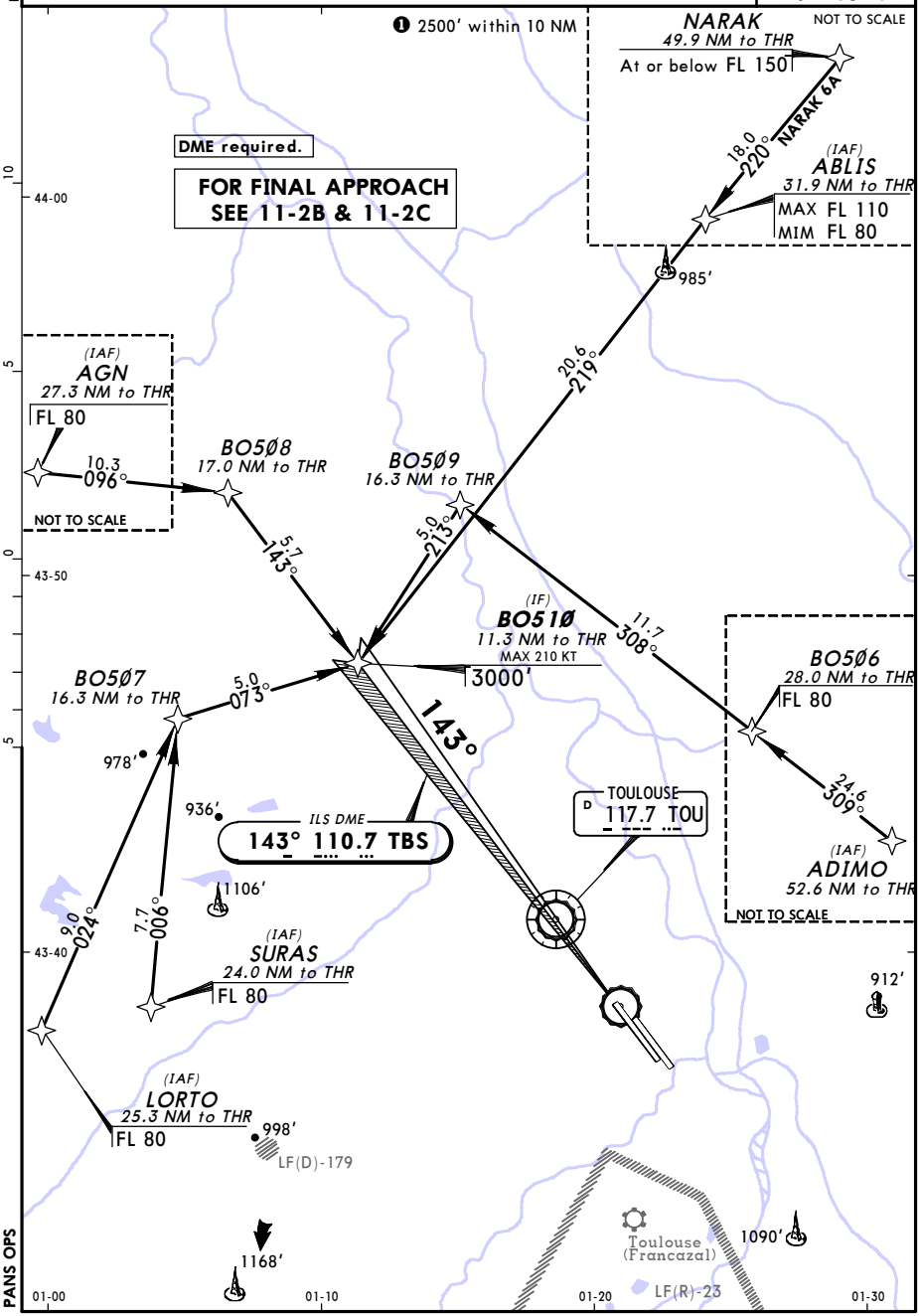
ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach			BLAGNAC Tower	Ground
			West Sector	East Sector		
123.125	121.1	120.350 123.850	125.175	129.3	118.1	121.9

LOC	Final	GS	ILS	
TBS 110.7	Apch Crs 143°	Refer to charts 11-2B & 11-2C	DA(H) Refer to charts 11-2B & 11-2C	Apt Elev 499′ RWY 488′

Alt Set: hPa | Rwy Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶
MSA TOU VOR

BRIEFING STRIP



PANS OPS

CHANGES: New procedure.

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LFBO/TLS
BLAGNAC

JEPPESEN

10 OCT 14 (11-2B) Eff 16 Oct

TOULOUSE, FRANCE
ILS or LOC Rwy 14R

BRIEFING STRIP

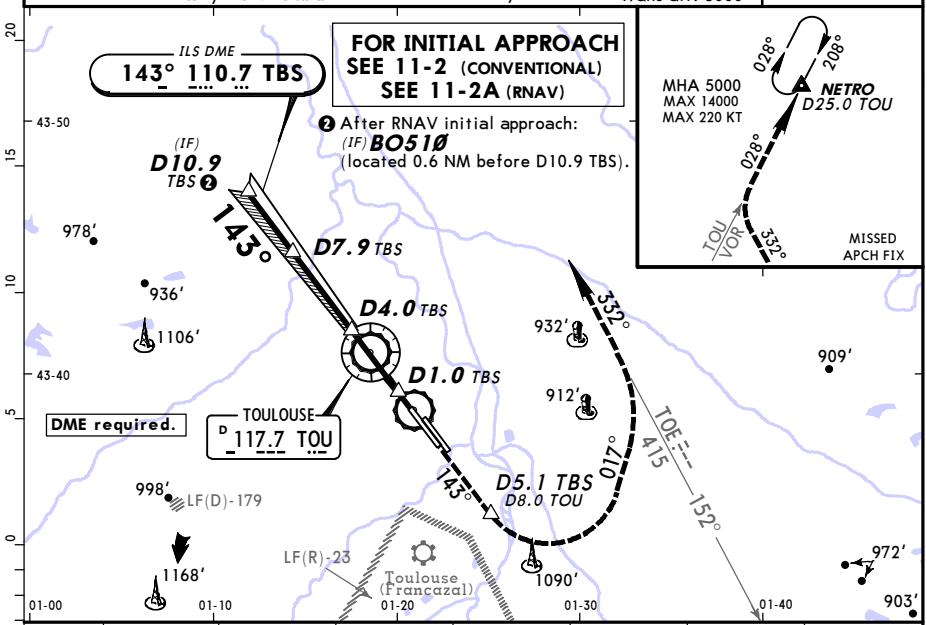
ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
				West Sector	East Sector		
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

LOC TBS	Final Apch Crs	GS D4.0 TBS	ILS DA(H)	Apt Elev 499′
110.7	143°	1760′ (1272′)	688′ (200′)	RWY 488′

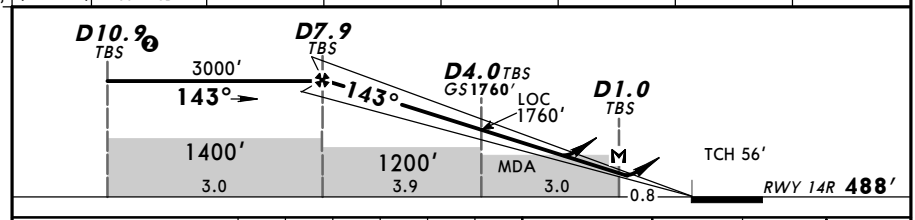
MISSED APCH: Climb on R-143 to D5.1 TBS, then turn LEFT onto 017° climbing to 4000′ to intercept and follow 332° from TOE NDB. Proceed on R-028 to NETRO, or as directed.
Climb to 1500′ prior to level acceleration.

Alt Set: hPa Rwy Elev: 18 hPa Trans level: By ATC Trans alt: 5000′

3000′ ❶
MSA
TOU VOR
❶ 2500′ within 10 NM



LOC (GS out)	TBS DME	7.0	6.0	5.0	4.0	3.0	2.0
	ALTITUDE	2720′	2400′	2080′	1760′	1440′	1120′



Gnd speed-Kts		70	90	100	120	140	160
ILS GS or LOC Descent Angle	3.00°	372	478	531	637	743	849
MAP at D1.0 TBS							

HIALS-II
PAPI
D5.1 TBS
TOU on 117.7
R-143

PANS OPS

Standard STRAIGHT-IN LANDING RWY 14R

	ILS DA(H) 688′ (200′) FULL	ILS Limited	ILS ALS out	LOC (GS out) CDFA DA/MDA(H) ❷ 870′ (382′)	LOC (GS out) ALS out
A	RVR 550m	RVR 750m	RVR 1200m	RVR 1000m	RVR 1500m
B					
C					RVR 1700m
D					

CIRCLE-TO-LAND ❶

Prohibited Northeast of runway

Max Kts	MDA(H)	VIS
110	1030′ (542′)	1500m
135	1050′ (562′)	1600m
180	1220′ (732′)	2400m
205	1320′ (832′)	3600m

❶ Circling height based on rwy 14R threshold elev of 488′.
❷ For add-on to the MDA(H), see ATC pages FRANCE.

CHANGES: Chart reindexed. Notes.

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LFBO/TLS
BLAGNAC

JEPPESEN

10 OCT 14
Eff 16 Oct

(11-2C)

TOULOUSE, FRANCE
CAT II/III ILS Rwy 14R

BRIEFING STRIP TM

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
				West Sector	East Sector		
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

LOC	Final Apch Crs	GS	CAT II & IIIA ILS	Apt Elev 499′
TBS	143°	**D4.0 TBS**	Refer to Minimums	RWY **488′**
110.7		**1760′** (1272′)		

MISSED APCH: Climb on R-143 to D5.1 TBS, then turn LEFT onto 017° climbing to 4000′ to intercept and follow 332° from TOE NDB. Proceed on R-028 to NETRO, or as directed.
Climb to 1500′ prior to level acceleration.

Alt Set: hPa Rwy Elev: 18 hPa Trans level: By ATC Trans alt: 5000′
1. **DME required.** 2. Special Aircrew & Acft Certification Required.

3000′ ❶
MSA
TOU VOR
❶ 2500′ within 10 NM

FOR INITIAL APPROACH
SEE 11-2 (CONVENTIONAL)
SEE 11-2A (RNAV)

❷ After RNAV initial approach:
(IF) **BO51Ø**
(located 0.6 NM before D10.9 TBS).

(IF) **D10.9** TBS ❷
143°
D7.9 TBS
43-45
ILS DME
143° 110.7 TBS
D4.0 TBS
43-40
TOULOUSE
D 117.7 TOU
143°
43-35
D5.1 TBS
D8.0 TOU
LF(R)-23
Toulouse (Francazal)
1090′
932′
912′
332°
017°
TOE 415
152°
01-10
01-20
01-30
01-40
10
5
0
5

MHA 5000
MAX 14000
MAX 220 KT
028°
208°
NETRO D25.0 TOU
028°
TOU VOR
332°
MISSED APCH FIX

3000′
143°
143°
D10.9 TBS ❷
D7.9 TBS
D4.0 TBS
GS 1760′
TCH 56′
3.0
3.9
3.8
RWY 14R **488′**

Gnd speed-Kts		70	90	100	120	140	160
GS	3.00°	372	478	531	637	743	849

HIALS-II
PAPI

D5.1 TBS
TOU on **117.7**
R-143

PANS OPS

Standard STRAIGHT-IN LANDING RWY 14R

CAT IIIA ILS	CAT II ILS
DH **50′**	**RA 100′** DA(H) **588′** (100′)
RVR *200m*	RVR *300m* ❶

❶ Operators applying U.S. Ops Specs: Autoland or HUD required below RVR 350m.

CHANGES: Chart reindexed. Notes.

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LFBO/TLS
BLAGNAC

JEPPESEN

10 OCT 14
Eff 16 Oct

(11-3) CONVENTIONAL

TOULOUSE, FRANCE
ILS or LOC Rwy 32L

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
			West Sector	East Sector			
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

LOC	Final Apch Crs	GS	ILS DA(H)	Apt Elev 499′
TBN	323°	Refer to chart 11-3B	Refer to chart 11-3B	RWY 497′
109.3				

Alt Set: hPa | Rwy Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶
MSA TOU VOR

BRIEFING STRIP ™

❶ 2500′ within 10 NM

DME required.

FOR FINAL APPROACH
SEE 11-3B

TOULOUSE
117.7 TOU

ILS DME
323° 109.3 TBN

(IAF)
LASBO
At FL 80

❷ 18 DME Arc TOU

415 TOE
D20.0/R-128 TOU

D16.0 TOU

(IF)
D10.9
TBN

323°

AGN 114.8

144°

LF(D)-179

(IAF)
AGENO

Toulouse (Francazal)

LF(R)-23

Muret

(IAF)
SULIT

188°

D16.0 TOU

5.6
4000
144°

6.9
267°
3000

136°

MAX 220 KT

3000

259°
267°
10.0
4000

(IAF)
ADIMO

At 4000′

079°

RESIDUAL HOLDING
MHA 4000
MAX 8000
MAX 220 KT

4000

18 DME Arc TOU

R-153 TOU
At 4000′

D20.0 TOU

008°
033°
188°

D23.0 TOU

LF(R)-62 A & B

(IAF)
OGRIL
D23.0 TOU

LF(D)-59

LF(R)-46 N 1

Pamiers

43-50
43-40
43-30
43-20
43-10

20
15
10
5
0
5

1007′
1234′
1139′
932′
909′
912′
1005′
1090′
1470′
972′
955′
1205′
1070′
1115′
1103′
1011′
1201′
998′
1116′
1227′
1106′
1319′
1208′
1339′
1375′
1592′
1566′
2471′
965′
1900′
1887′
2300′
1602′
1618′

01-10
01-20
01-30
01-40
01-50

PANS OPS

CHANGES: Procedure designation.

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LFBO/TLS
BLAGNAC

JEPPESEN

10 OCT 14
Eff 16 Oct

11-3A

TOULOUSE, FRANCE
RNAV ILS or LOC Rwy 32L

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
			West Sector		East Sector		
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

BRIEFING STRIP TM

LOC	Final Apch Crs	GS	ILS DA(H)	
TBN 109.3	323°	Refer to chart 11-3B	Refer to chart 11-3B	Apt Elev 499′ RWY 497′

Alt Set: hPa | Rwy Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶
MSA TOU VOR

❶ 2500′ within 10 NM

DME required.

FOR FINAL APPROACH SEE 11-3B

TOULOUSE
117.7 TOU

NARAK
64.2 NM to THR
At or below FL 190

NARAK 61
32.7
187°

(IAF)
LAVKU
31.6 NM to THR
MAX FL 110
MIM FL 80

NOT TO SCALE

16.5
187°

ILS DME
323° 109.3 TBN

323°

Toulouse (Francazal)

(IAF)
AGENO
26.7 NM to THR
FL 80

(IF)
BO61Ø
11.3 NM to THR
MAX 210 KT
3000′

LF(R)-23

Muret

10.4
123°

5.0
029°

3.8
258°

BO6Ø3
15.1 NM to THR
4000′

(IAF)
ADIMO
28.0 NM to THR
FL 80

12.9
268°

NOT TO SCALE

(IAF)
SULIT
26.0 NM to THR
FL 80

9.7
086°

BO6Ø2
16.3 NM to THR
5000′

12.1
060°

LF(R)-62 A & B

(IAF)
OGRIL
28.4 NM to THR
FL 80

932′ 909′ 912′ 1090′ 1115′ 1103′ 1011′ 998′ 1040′ 1116′ 1106′ 1319′

10 5 0 5
43-40 43-30 43-20

LF(R)-46 N 1

01-20 01-30 01-40

PANS OPS

CHANGES: New procedure.

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LFBO/TLS
BLAGNAC

JEPPESEN

10 OCT 14 (11-3B) Eff 16 Oct

TOULOUSE, FRANCE
ILS or LOC Rwy 32L

BRIEFING STRIP TM

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
				West Sector	East Sector		
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

LOC	Final Apch Crs	GS	ILS DA(H)	Apt Elev / RWY
TBN **109.3**	**323°**	**D4.0 TBN** **1770′** (1273′)	**697′** (200′)	499′ / **497′**

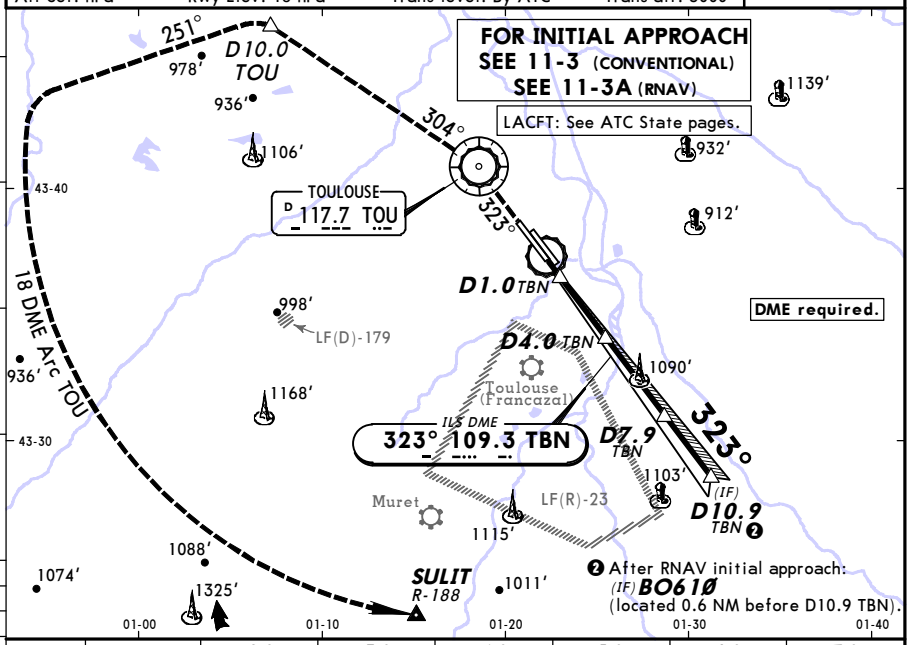
MISSED APCH: Climb on R-143 inbound to VOR to 4000′, then turn LEFT and follow R-304. At D10.0 TOU turn LEFT onto 251° climbing to 5000′ to intercept and follow 18 DME Arc TOU to SULIT.

3000′ ❶

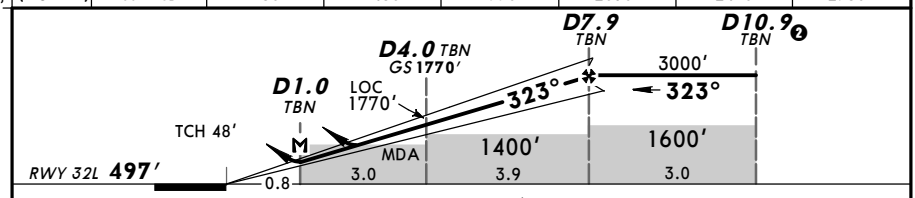
MSA TOU VOR

❶ 2500′ within 10 NM

Alt Set: hPa | Rwy Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′



LOC (GS out)							
	TBN DME	2.0	3.0	4.0	5.0	6.0	7.0
	ALTITUDE	1130′	1450′	1770′	2090′	2410′	2730′



Gnd speed-Kts		70	90	100	120	140	160
ILS GS or LOC Descent Angle	3.00°	372	478	531	637	743	849
MAP at D1.0 TBN							

PAPI-L

TOU 117.7 on TOU 117.7 R-143

Standard STRAIGHT-IN LANDING RWY 32L

	ILS ❶	LOC (GS out) CDFA	CIRCLE-TO-LAND ❷ Prohibited Northeast of runway		
	DA(H) **697′** (200′)	DA/MDA(H) ❸ **980′** (483′)	Max Kts	MDA(H)	VIS
A	RVR 1200m	RVR 1500m	110	1030′ (533′)	1500m
B			135	1050′ (553′)	1600m
C		CMV 2300m	180	1220′ (723′)	2400m
D			205	1320′ (823′)	3600m

PANS OPS

❶ LACFT: DA(H) 707′(210′). ❷ Circling height based on rwy 32L threshold elev of 497′.
❸ For add-on to the MDA(H), see ATC pages FRANCE.

CHANGES: Chart reindexed. Notes.

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LFBO/TLS
BLAGNAC

JEPPESEN

10 OCT 14
Eff 16 Oct

(11-4)

TOULOUSE, FRANCE
CONVENTIONAL ILS or LOC Rwy 32R

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
			West Sector	East Sector			
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

LOC	Final Apch Crs	GS	ILS DA(H)	
TD 108.35	323°	Refer to chart 11-4B	Refer to chart 11-4B	Apt Elev 499′ RWY 497′

Alt Set: hPa | Rwy Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶
MSA TOU VOR

BRIEFING STRIP ™

❶ 2500′ within 10 NM

DME required.

FOR FINAL APPROACH SEE 11-4B

TOULOUSE
117.7 TOU

ILS DME
323° 108.35 TD

(IAF) LASBO
At FL 80

❷ 18 DME Arc TOU

415 TOE
D20.0/R-128 TOU

D16.0 TOU

(IAF) AGENO

(IAF) SULIT

D16.0 TOU

D20.0 TOU

(IAF) OGRIL
D23.0 TOU

D23.0 TOU

(IF) D10.9 TD

323°

R-153 TOU
At 4000′

18 DME Arc TOU

At 4000′

(IAF) ADIMO

RESIDUAL HOLDING
MHA 4000
MAX 8000
MAX 220 KT

MAX 220 KT

AGN 114.8

LF(D)-179

Toulouse (Francazal)

LF(R)-23

Muret

LF(R)-62 A & B

LF(D)-59

LF(R)-46 N 1

Pamiers

PANS OPS

CHANGES: Procedure designation.

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LFBO/TLS
BLAGNAC

JEPPESEN

10 OCT 14
Eff 16 Oct

(11-4A)

TOULOUSE, FRANCE
RNAV ILS or LOC Rwy 32R

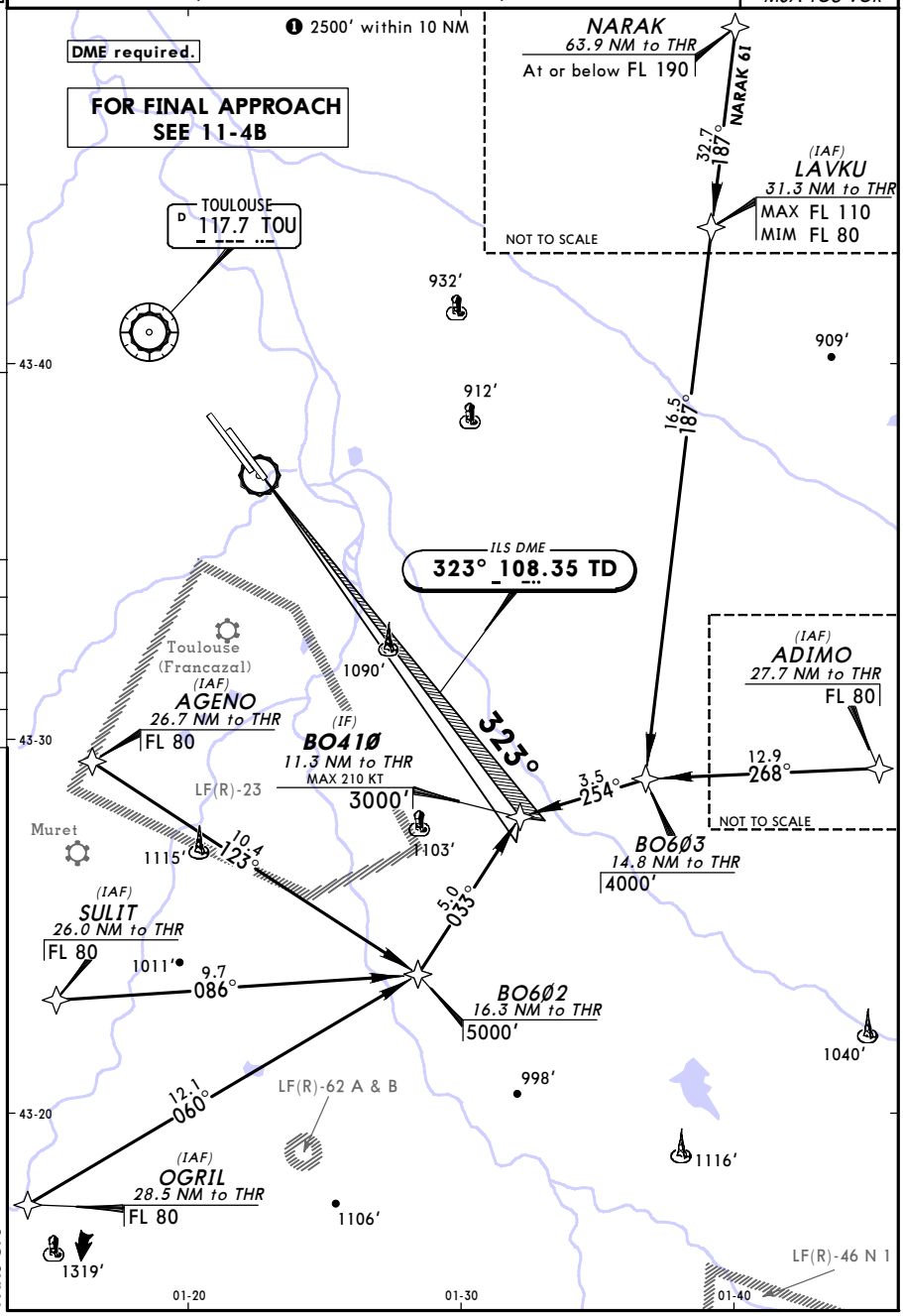
BRIEFING STRIP TM

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
				West Sector	East Sector		
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

LOC TD	Final Apch Crs	GS	ILS DA(H)	
108.35	323°	Refer to chart 11-4B	Refer to chart 11-4B	Apt Elev 499′ RWY 497′

Alt Set: hPa | Rwy Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶
MSA TOU VOR



PANS OPS

CHANGES: New procedure.

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LFBO/TLS
BLAGNAC

JEPPESEN

10 OCT 14 (11-4B) Eff 16 Oct

TOULOUSE, FRANCE
ILS or LOC Rwy 32R

BRIEFING STRIP TM

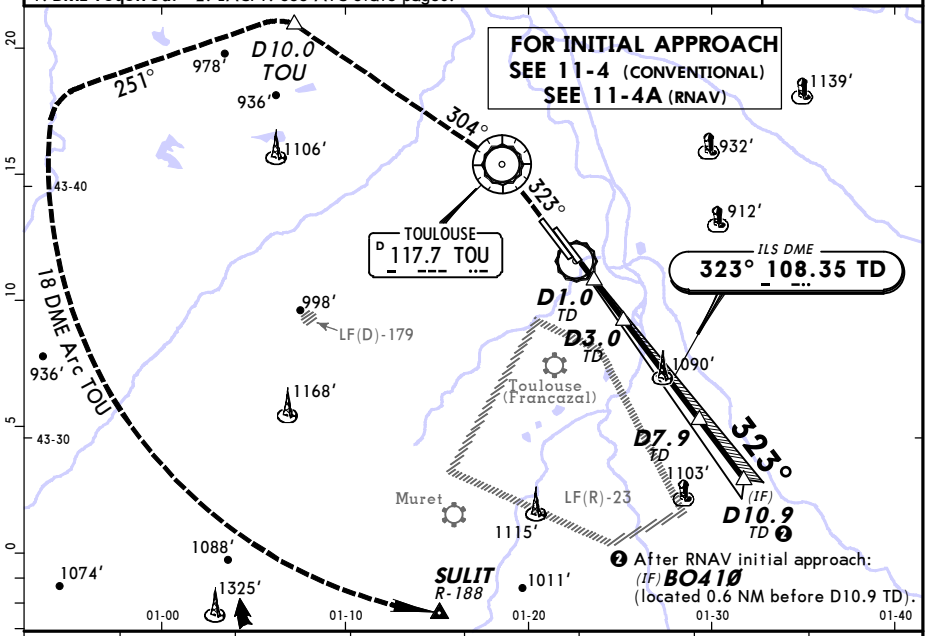
ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
				West Sector	East Sector		
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

LOC TD	Final Apch Crs	GS D3.0 TD	ILS DA(H)	Apt Elev / RWY
108.35	323°	1450′ (953′)	697′ (200′)	Apt Elev 499′ / RWY 497′

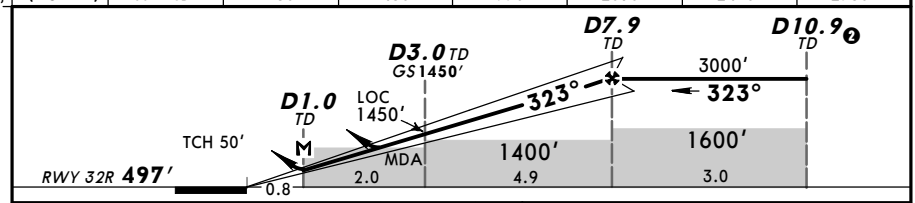
MISSED APCH: Climb on R-143 inbound to VOR to 4000′, then turn LEFT and follow R-304. At D10.0 TOU turn LEFT onto 251° climbing to 5000′ to intercept and follow 18 DME Arc TOU to SULIT.

Alt Set: hPa Rwy Elev: 18 hPa Trans level: By ATC Trans alt: 5000′
1. **DME required.** 2. LACFT: See ATC State pages.

3000′ ❶
MSA TOU VOR
❶ 2500′ within 10 NM



LOC (GS out)	TD DME	2.0	3.0	4.0	5.0	6.0	7.0
	ALTITUDE	1130′	1450′	1770′	2090′	2410′	2730′



Gnd speed-Kts		70	90	100	120	140	160
ILS GS or LOC Descent Angle	3.00°	372	478	531	637	743	849
MAP at D1.0 TD							

REIL

TOU 117.7 on TOU 117.7 R-143

Standard STRAIGHT-IN LANDING RWY 32R

	ILS ❶	LOC (GS out) CDFA
	DA(H) 697′ (200′)	DA/MDA(H) ❸ 980′ (483′)
A	RVR 1200m	RVR 1500m
B		
C		CMV 2300m
D		

CIRCLE-TO-LAND ❷

Prohibited Northeast of runway

Max Kts	MDA(H)	VIS
110	1030′ (533′)	1500m
135	1050′ (553′)	1600m
180	1320′ (823′)	2400m
205	1320′ (823′)	3600m

PANS OPS

❶ LACFT: DA(H) 707′ (210′). ❷ Circling height based on rwy 32R threshold elev of 497′.
❸ For add-on to the MDA(H), see ATC pages FRANCE.

CHANGES: Chart reindexed. Notes.

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LFBO/TLS
BLAGNAC

JEPPESEN

10 OCT 14
Eff 16 Oct
(12-1)

TOULOUSE, FRANCE
RNAV (GNSS) Rwy 14L

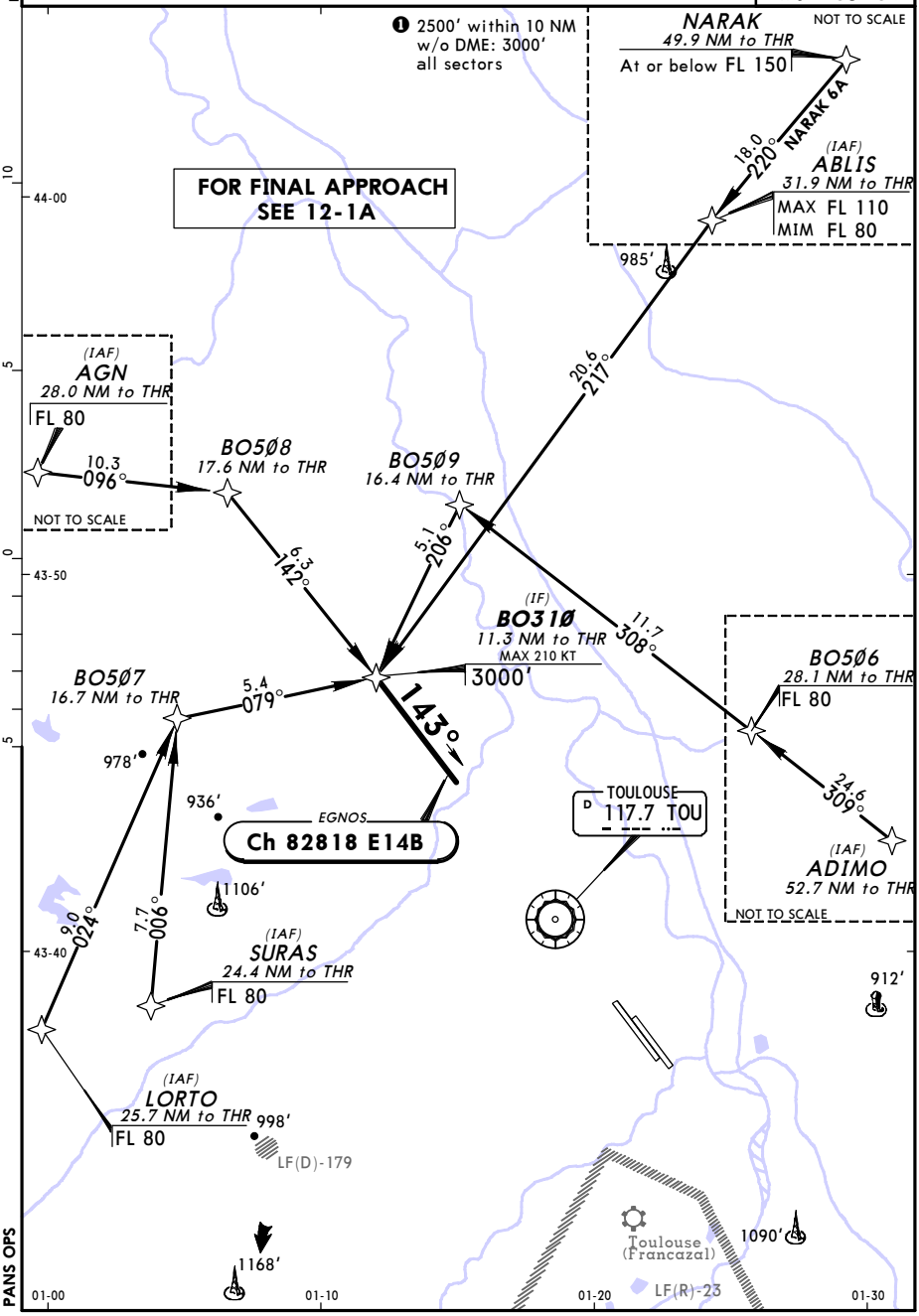
ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach			BLAGNAC Tower	Ground
			West Sector	East Sector		
123.125	121.1	120.350 123.850	125.175	129.3	118.1	121.9

EGNOS	Final	Procedure Alt	LPV DA(H)	Apt Elev 499′
Ch 82818 E14B	Apch Crs 143°	Refer to chart 12-1A	Refer to chart 12-1A	RWY 489′

Alt Set: hPa | Rwy Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶
MSA TOU VOR

BRIEFING STRIP TM



PANS OPS

CHANGES: New procedure.

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LFBO/TLS
BLAGNAC

JEPPESEN
10 OCT 14
Eff 16 Oct
(12-1A)

TOULOUSE, FRANCE
RNAV (GNSS) Rwy 14L

BRIEFING STRIP

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
				West Sector	East Sector		
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

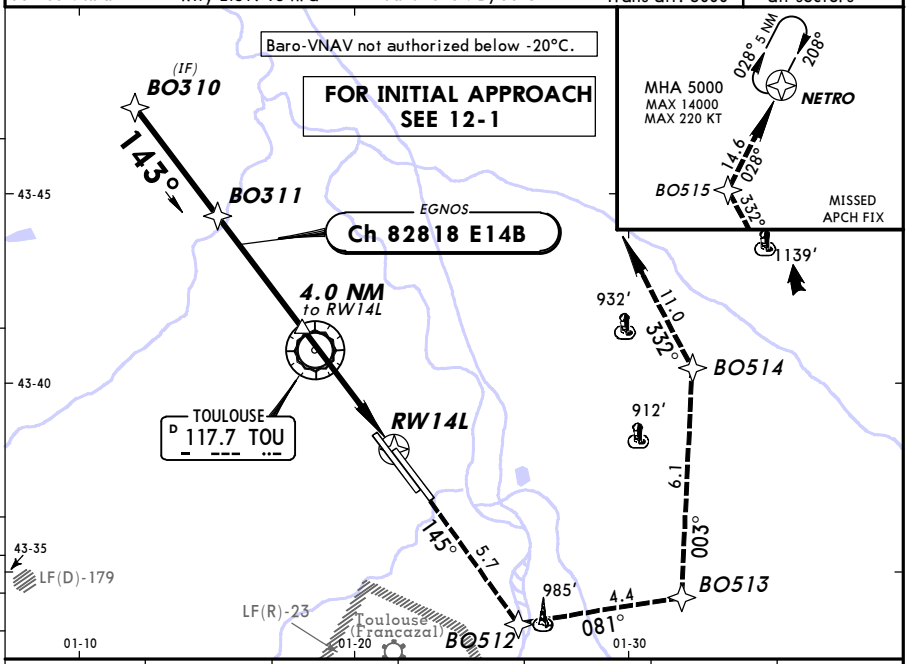
EGNOS	Final Apch Crs	Procedure Alt	LPV DA(H)	Apt Elev	
Ch 82818 E14B	143°	BO311 3000′ (2511′)	Refer to Minimums		499′
				RWY	489′

MISSED APCH: Climb to BO512 up to 4000′, then turn LEFT (MAX 190 KT) to BO513. At BO513 turn LEFT (MAX 190 KT) to BO514 and proceed to BO515. At BO515 turn RIGHT to NETRO climbing up to FL70, or as directed.

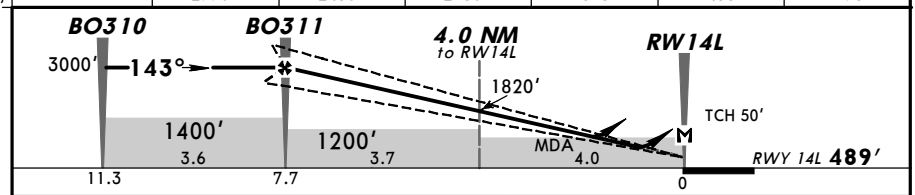
Alt Set: hPa | Rwy Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶

MSA TOU VOR
❶ 2500′ within 10 NM
w/o DME: 3000′ all sectors



DIST to RW14L	7.0	6.0	5.0	4.0	3.0	2.0
ALTITUDE	2770′	2450′	2130′	1815′	1495′	1175′



Gnd speed-Kts		70	90	100	120	140	160
Glide Path Angle	3.00°	372	478	531	637	743	849
MAP at RW14L							

HIALS

4000′

BO512

Standard STRAIGHT-IN LANDING RWY 14L

	LPV		LNAV/VNAV		LNAV CDFA	
DA(H)	A: 780′(291′) C: 800′(311′) B: 790′(301′) D: 810′(321′)		DA(H) 910′(421′)		DA/MDA(H) 950′(461′)	
		ALS out		ALS out		ALS out
A	RVR 750m	RVR 1400m	RVR 1200m	RVR 1500m	RVR 1400m	RVR 1500m
B						
C				RVR 1900m		CMV 2100m
D						

PANS OPS

CIRCLE-TO-LAND❶

Prohibited Northeast of runway

Max Kts	MDA(H)	VIS
110	1030′(541′)	1500m
135	1050′(561′)	1600m
180	1320′(831′)	2400m
205	1320′(831′)	3600m

❶ Circling height based on rwy 14L thresh elev of 489′.

CHANGES: Chart reindexed.

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LFBO/TLS
BLAGNAC

JEPPESEN

24 JUL 15 (12-2)

TOULOUSE, FRANCE
RNAV (GNSS) Rwy 14R

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach			BLAGNAC Tower	Ground
			West Sector	East Sector		
123.125	121.1	120.350 123.850	125.175	129.3	118.1	121.9

EGNOS	Final Apch Crs	Procedure Alt	LPV DA(H)	Apt Elev / RWY
Ch 57314 E14A	143°	Refer to chart 12-2A	Refer to chart 12-2A	Apt Elev 499′ RWY 488′

Alt Set: hPa | Rwy Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶ MSA TOU VOR

BRIEFING STRIP TM

❶ 2500′ within 10 NM w/o DME: 3000′ all sectors

NOT TO SCALE

NARAK
49.9 NM to THR
At or below FL 150

NARAK 6A
18.0 220°

(IAF)
ABLIS
31.9 NM to THR
MAX FL 110
MIM FL 80

985′

FOR FINAL APPROACH SEE 12-2A

20.6 219°

(IAF)
AGN
27.3 NM to THR
FL 80
10.3 096°
NOT TO SCALE

BO5Ø8
17.0 NM to THR

BO5Ø9
16.3 NM to THR

CONTINUOUS DESCENT OPERATIONS

5.7 143°

5.0 213°

(IF)
BO51Ø
11.3 NM to THR
MAX 210 KT
3000′

11.7 308°

BO5Ø7
16.3 NM to THR
5.0 073°

143°

BO5Ø6
28.0 NM to THR
FL 80

24.6 309°

(IAF)
ADIMO
52.6 NM to THR
NOT TO SCALE

978′

936′

EGNOS
Ch 57314 E14A

TOULOUSE
D 117.7 TOU

1106′

9.0 024°

7.7 006°

(IAF)
SURAS
24.0 NM to THR
FL 80

912′

(IAF)
LORTO
25.3 NM to THR
FL 80

998′

Toulouse (Francazal)

1090′

1168′

PANS OPS

44-00 | 43-50 | 43-40

01-00 | 01-10 | 01-20 | 01-30

CHANGES: None.

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LFBO/TLS
BLAGNAC

JEPPESEN
24 JUL 15 (12-2A)

TOULOUSE, FRANCE
RNAV (GNSS) Rwy 14R

BRIEFING STRIP

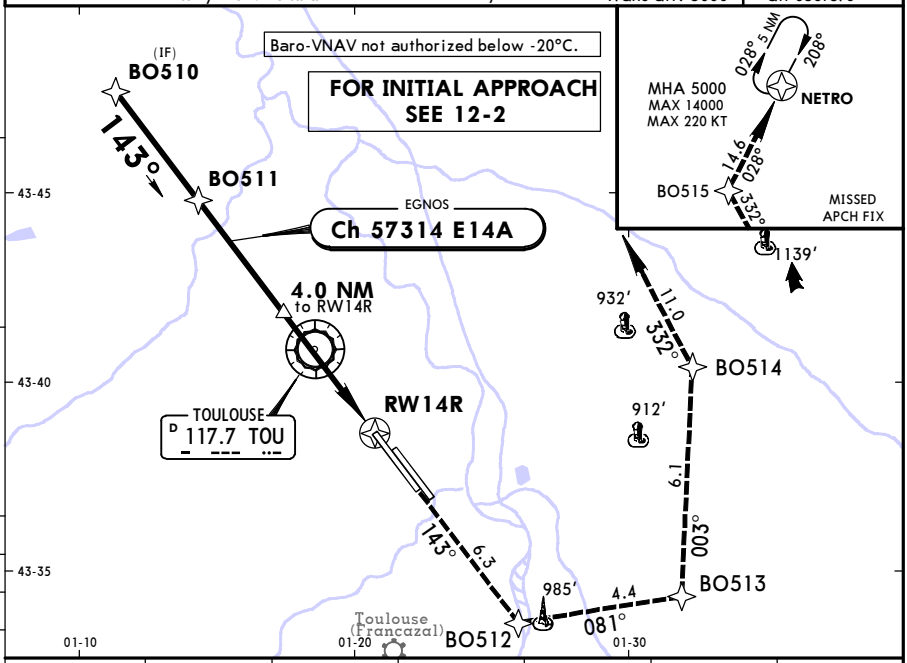
ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
			West Sector	East Sector			
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

EGNOS	Final Apch Crs	Procedure Alt	LPV DA(H)	Apt Elev 499′
Ch 57314 E14A	143°	BO511 3000′(2512′)	Refer to Minimums	RWY 488′

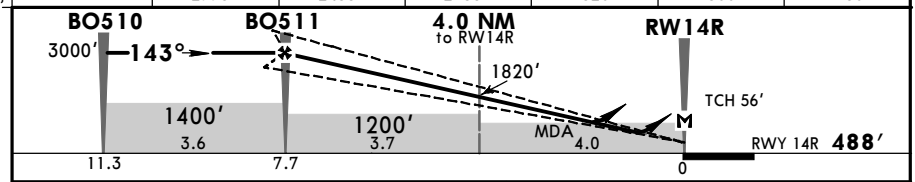
MISSED APCH: Climb to BO512 up to 4000′, then turn LEFT (MAX 190 KT) to BO513. At BO513 turn LEFT (MAX 190 KT) to BO514 and proceed to BO515. At BO515 turn RIGHT to NETRO climbing up to FL70, or as directed.

Alt Set: hPa | Rwy Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶
MSA TOU VOR
❶ 2500′ within 10 NM
w/o DME: 3000′ all sectors



DIST to RW14R	7.0	6.0	5.0	4.0	3.0	2.0
ALTITUDE	2775′	2455′	2135′	1820′	1500′	1180′



Gnd speed-Kts		70	90	100	120	140	160
Glide Path Angle	3.00°	372	478	531	637	743	849
MAP at RW14R							

HIALS-II PAPI 4000′ BO512

Standard STRAIGHT-IN LANDING RWY 14R

	LPV ❶		LNAV/VNAV		LNAV CDFA		CIRCLE-TO-LAND ❷
	DA(H) AB: 740′(252′)	C: 750′(262′) D: 760′(272′)	DA(H) 900′(412′)		DA/MDA(H) 950′(462′)		Prohibited Northeast of runway
		ALS out		ALS out		ALS out	Max Kts — MDA(H) — VIS
A	RVR 750m	RVR 1300m	RVR 1200m	RVR 1500m	RVR 1400m	RVR 1500m	110 — 1030′(542′) — 1500m
B							135 — 1050′(562′) — 1600m
C				RVR 1900m		CMV 2100m	180 — 1220′(732′) — 2400m
D							205 — 1320′(832′) — 3600m

PANS OPS

❶ LACFT: DA(H) 770′(282′). ❷ Circling height based on rwy 14R thresh elev of 488′.

CHANGES: LPV minimums.

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LFBO/TLS
BLAGNAC

JEPPESEN

20 MAY 16
Eff 26 May
(12-3)

TOULOUSE, FRANCE
RNAV (GNSS) Rwy 32L

BRIEFING STRIP TM

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
			West Sector		East Sector		
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

EGNOS	Final	Procedure Alt	LPV DA(H)	Apt Elev 499′
Ch 57202 E32A	Apch Crs 323°	Refer to chart 12-3A	Refer to chart 12-3A	Rwy 497′

Alt Set: hPa	Rwy Elev: 18 hPa	Trans level: By ATC	Trans alt: 5000′

3000′ ❶
MSA TOU VOR

❶ 2500′ within 10 NM w/o DME: 3000′ all sectors

FOR FINAL APPROACH SEE 12-3A

CONTINUOUS DESCENT OPERATIONS

TOULOUSE D 117.7 TOU

NARAK
64.2 NM to THR
At or below FL 190

NARAK 61
32.7 187°

(IAF)
LAVKU
31.6 NM to THR
MAX FL 110
MIM FL 80

NOT TO SCALE

16.5 187°

EGNOS
Ch 57202 E32A

323°

(IAF)
ADIMO
28.0 NM to THR
FL 80

12.9 268°

NOT TO SCALE

3.8 258°

BO6Ø3
15.1 NM to THR
4000′

(IF)
BO61Ø
11.3 NM to THR
MAX 210 KT
3000′

5.0 029°

BO6Ø2
16.3 NM to THR
5000′

(IAF)
AGENO
26.7 NM to THR
FL 80

10.4 123°

(IAF)
SULIT
26.0 NM to THR
FL 80

9.7 086°

12.1 060°

(IAF)
OGRIL
28.4 NM to THR
FL 80

Toulouse (Francazal)

Muret

932′ 912′ 909′ 1090′ 1103′ 1115′ 1011′ 998′ 1040′ 1116′ 1106′ 1319′

10 5 0 5
43-40 43-30 43-20

PANS OPS

01-20 01-30 01-40

CHANGES: Note.

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LFBO/TLS
BLAGNAC

JEPPESEN

20 MAY 16
Eff 26 May
(12-3A)

TOULOUSE, FRANCE
RNAV (GNSS) Rwy 32L

BRIEFING STRIP™

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
				West Sector	East Sector		
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

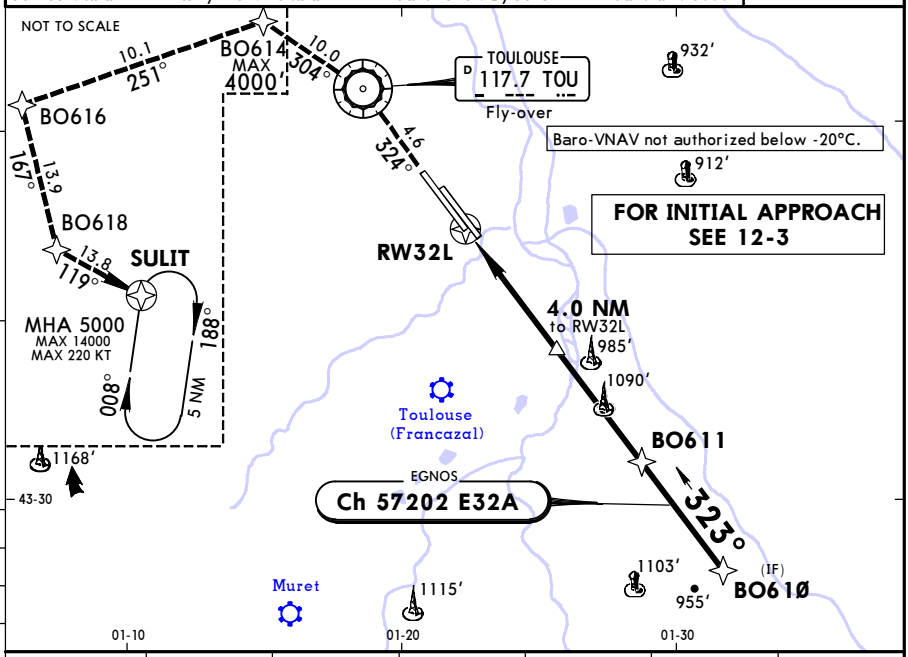
EGNOS	Final Apch Crs	Procedure Alt	LPV DA(H)	Apt Elev 499′
Ch 57202 E32A	**323°**	BO611 **3000′** (2503′)	**750′** (253′)	Rwy 497′

3000′ ❶

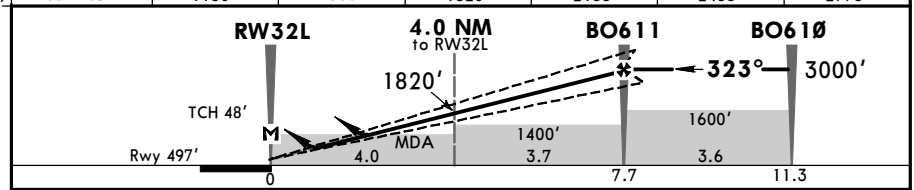
MSA TOU VOR
❶ 2500′ within 10 NM
w/o DME: 3000′ all sectors

MISSED APCH: Climb to VOR, then turn LEFT to BO614 up to 4000′. At BO614 turn LEFT to BO616 climbing up to 5000′. At BO616 turn LEFT to BO618 and proceed to SULIT or as directed.

Alt Set: hPa | Rwy Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′



DIST to RW32L	2.0	3.0	4.0	5.0	6.0	7.0
ALTITUDE	1180′	1500′	1820′	2135′	2455′	2775′



Gnd speed-Kts		70	90	100	120	140	160
Glide Path Angle	3.00°	372	478	531	637	743	849
MAP at RW32L							

PAPI-L

TOU **117.7**

PANS OPS

Standard STRAIGHT-IN LANDING RWY32L

	LPV ❶	LNAV/VNAV	LNAV CDFA
	DA(H) **750′** (253′)	DA(H) **840′** (343′)	DA/MDA(H) **930′** (433′)
A	RVR 1300m	RVR 1500m	RVR 1500m
B			
C			RVR 2000m
D			

CIRCLE-TO-LAND ❷

Prohibited
Northeast of runway

Max Kts	MDA(H)	VIS
110	1030′ (533′)	1500m
135	1050′ (553′)	1600m
180	1220′ (723′)	2400m
205	1320′ (823′)	3600m

❶ LACFT: DA(H) 760′ (263′). ❷ Circling height based on rwy 32L thresh elev of 497′.

CHANGES: Missed apch.

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LFBO/TLS
BLAGNAC

JEPPESEN
20 MAY 16
Eff 26 May
(12-4)

TOULOUSE, FRANCE
RNAV (GNSS) Rwy 32R

BRIEFING STRIP TM

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
			West Sector		East Sector		
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

EGNOS	Final Apch Crs	Procedure Alt	LPV DA(H)	Apt Elev 499′
Ch 77492 E32B	323°	Refer to chart 12-4A	Refer to chart 12-4A	Rwy 497′

Alt Set: hPa	Rwy Elev: 18 hPa	Trans level: By ATC	Trans alt: 5000′

3000′ ❶
MSA TOU VOR

❶ 2500′ within 10 NM w/o DME: 3000′ all sectors

FOR FINAL APPROACH SEE 12-4A

CONTINUOUS DESCENT OPERATIONS

NARAK
63.9 NM to THR
At or below FL 190

NARAK 61
32.7 187°

(IAF)
LAVKU
31.3 NM to THR
MAX FL 110
MIM FL 80

NOT TO SCALE

TOULOUSE
D 117.7 TOU

932′
909′
912′

16.5 187°

EGNOS
Ch 77492 E32B

Toulouse (Francazal)

1090′

(IAF)
ADIMO
27.7 NM to THR
FL 80

(IAF)
AGENO
26.7 NM to THR
FL 80

(IF)
BO41Ø
11.3 NM to THR
MAX 210 KT
3000′

323°

3.5 254°

12.9 268°

NOT TO SCALE

BO6Ø3
14.8 NM to THR
4000′

Muret

1115′

10.4 123°

1103′

5.0 033°

(IAF)
SULIT
26.0 NM to THR
FL 80

1011′

9.7 086°

BO6Ø2
16.3 NM to THR
5000′

1040′

998′

12.1 060°

1116′

(IAF)
OGRIL
28.5 NM to THR
FL 80

1106′

1319′

10
5
0
5
43-40
43-30
43-20

PANS OPS

01-20 01-30 01-40

CHANGES: Note.

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LFBO/TLS
BLAGNAC

JEPPESEN

20 MAY 16
Eff 26 May

(12-4A)

TOULOUSE, FRANCE
RNAV (GNSS) Rwy 32R

BRIEFING STRIP™

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
			West Sector		East Sector		
123.125	121.1	120.350	123.850	125.175	129.3	118.1	121.9

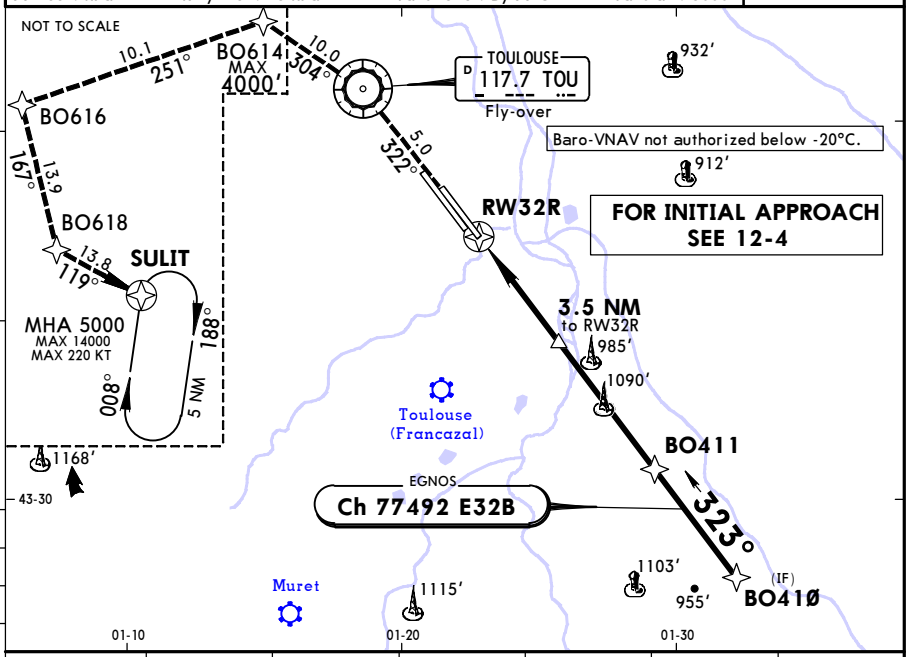
EGNOS	Final Apch Crs	Procedure Alt	LPV DA(H)	Apt Elev 499′
Ch 77492 E32B	**323°**	BO411 **3000′** (2503′)	**750′** (253′)	Rwy 497′

3000′ ❶

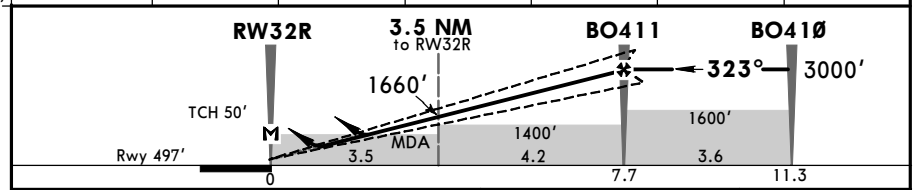
MSA TOU VOR
❶ 2500′ within 10 NM
w/o DME: 3000′ all sectors

MISSED APCH: Climb to VOR, then turn LEFT to BO614 up to 4000′. At BO614 turn LEFT to BO616 climbing up to 5000′. At BO616 turn LEFT to BO618 and proceed to SULIT or as directed.

Alt Set: hPa | Rwy Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′



DIST to RW32R	2.0	3.0	4.0	5.0	6.0	7.0
ALTITUDE	1185′	1500′	1820′	2140′	2460′	2775′



Gnd speed-Kts		70	90	100	120	140	160
Glide Path Angle	3.00°	372	478	531	637	743	849
MAP at RW32R							

REIL

TOU **117.7**

PANS OPS

Standard STRAIGHT-IN LANDING RWY**32R**

	LPV	LNAV/VNAV	LNAV CDFA
	DA(H) **750′** (253′)	DA(H) **860′** (363′)	DA/MDA(H) **920′** (423′)
A	RVR 1300m	RVR 1500m	RVR 1500m
B			
C		RVR 1600m	RVR 2000m
D			

CIRCLE-TO-LAND❶

Prohibited
Northeast of runway

Max Kts	MDA(H)	VIS
110	1030′ (533′)	1500m
135	1050′ (553′)	1600m
180	1320′ (823′)	2400m
205	1320′ (823′)	3600m

❶ Circling height based on rwy 32R thresh elev of 497′.

CHANGES: Missed apch.

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LFBO/TLS
BLAGNAC

JEPPESEN
28 MAR 14 (13-1)

TOULOUSE, FRANCE
VOR Rwy 14L

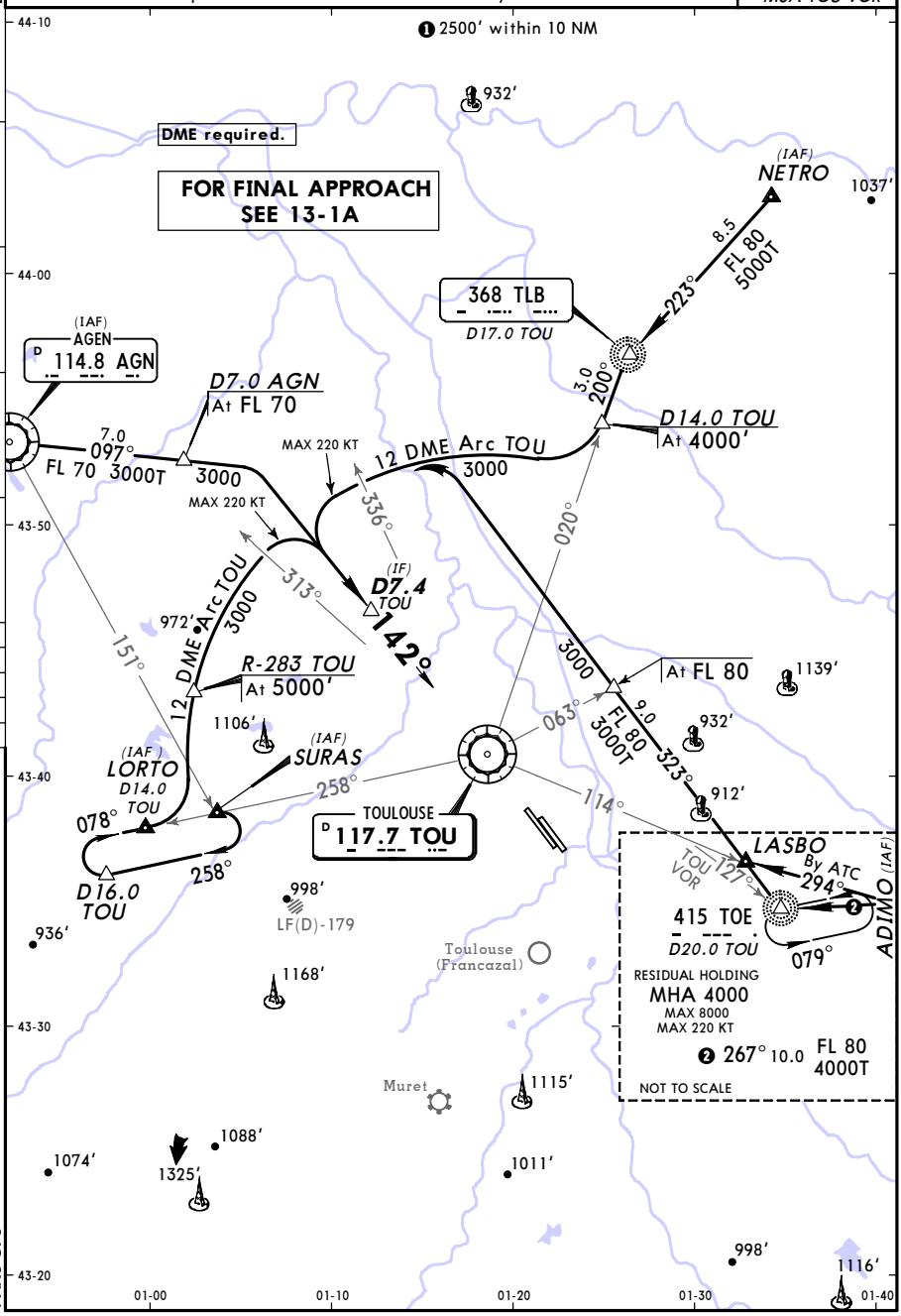
ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
				West Sector	East Sector		
123.12	121.1	120.35	123.85	125.17	129.3	118.1	121.9

BRIEFING STRIP

VOR	Final Apch Crs	Procedure Alt	DA/MDA(H)	
TOU 117.7	142°	Refer to chart 13-1A	Refer to chart 13-1A	Apt Elev 499′

Alt Set: hPa | Apt Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶
MSA TOU VOR



PANS OPS

CHANGES: Communications.

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LFBO/TLS
BLAGNAC

JEPPESEN

28 MAR 14 (13-1A)

TOULOUSE, FRANCE
VOR Rwy 14L

BRIEFING STRIP TM

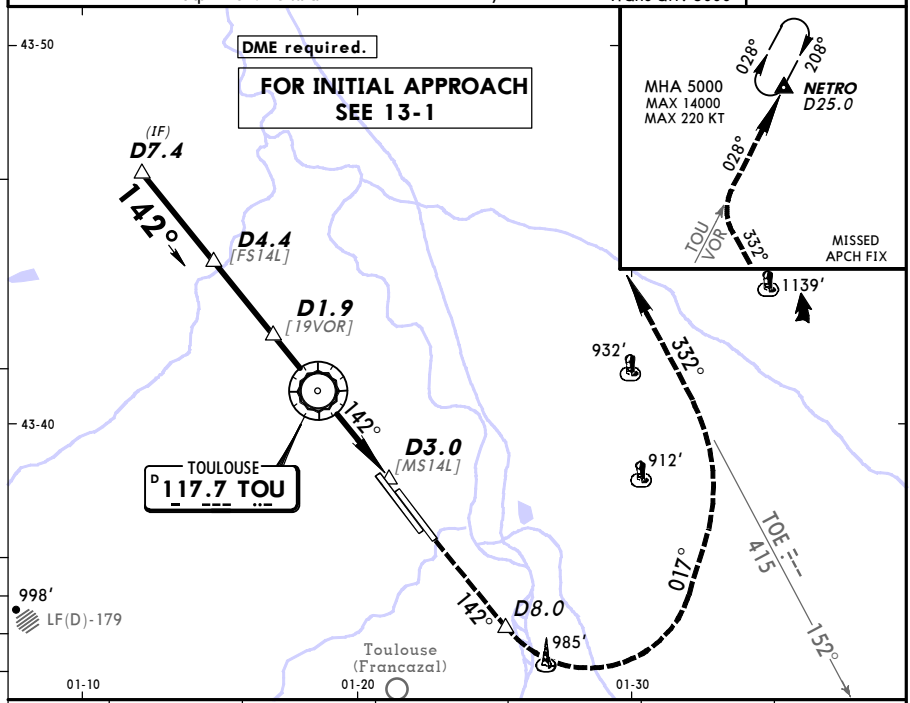
ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
				West Sector	East Sector		
123.12	121.1	120.35	123.85	125.17	129.3	118.1	121.9

VOR	Final Apch Crs	Procedure Alt	DA/MDA(H)	Apt Elev
TOU 117.7	142°	D4.4 3000′ (2501′)	950′ (451′)	499′

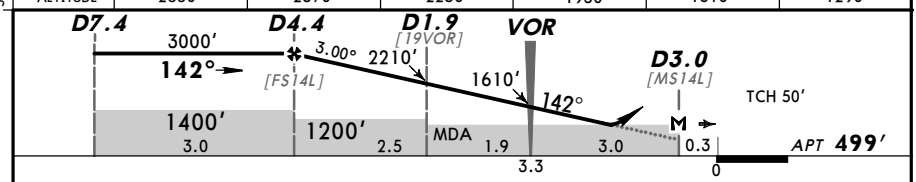
MISSED APCH: Climb on R-142 to D8.0, then turn LEFT onto 017° climbing to 4000′ to intercept and follow 332° from TOE NDB. Proceed on R-028 to NETRO, or as directed.
Climb to 1500′ prior to level acceleration.

Alt Set: hPa | Apt Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶
MSA
TOU VOR
❶ 2500′ within 10 NM



TOU DME	4.0	3.0	2.0	1.0 before TOU	0.0	1.0 after TOU
ALTITUDE	2880′	2570′	2250′	1930′	1610′	1290′



Gnd speed-Kts		70	90	100	120	140	160
Descent Angle	3.00°	372	478	531	637	743	849
MAP at D3.0 after VOR							

HIALS

D8.0 TOU on 117.7 R-142

Standard STRAIGHT-IN LANDING RWY 14L
CDFA
DA/MDA(H) ❶ 950′ (451′)

		ALS out
A	RVR 1400m	RVR 1500m
B		
C		CMV 2100m
D		

CIRCLE-TO-LAND
Prohibited Northeast of runway

Max Kts	MDA(H)	VIS
110	1030′ (531′)	1500m
135	1050′ (551′)	1600m
180	1320′ (821′)	2400m
205	1320′ (821′)	3600m

PANS OPS

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

CHANGES: Communications.

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LFBO/TLS
BLAGNAC

JEPPESEN
28 MAR 14 (13-2)

TOULOUSE, FRANCE
VOR Rwy 14R

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
				West Sector	East Sector		
123.12	121.1	120.35	123.85	125.17	129.3	118.1	121.9

BRIEFING STRIP TM

VOR	Final Apch Crs	Procedure Alt	DA/MDA(H)	
TOU 117.7	145°	Refer to chart 13-2A	Refer to chart 13-2A	Apt Elev 499′

Alt Set: hPa | Apt Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶
MSA TOU VOR

❶ 2500′ within 10 NM

DME required.

FOR FINAL APPROACH SEE 13-2A

(IAF) NETRO
8.5 223° FL 80 5000T
368 TLB
D17.0 TOU
3.0 200°
D14.0 TOU
At 4000′
(IAF) AGEN
D 114.8 AGN
D7.0 AGN
At FL 70
7.0 097° FL 70 3000T
3000
MAX 220 KT
MAX 220 KT
12 DME Arc TOU
3000
336°
(IF) D8.0 TOU
145°
313°
020°
12 DME Arc TOU
3000
972′
151°
R-283 TOU
At 5000′
At FL 80
3000
9.0 323° FL 80 3000T
063°
(IAF) LORTO
D14.0 TOU
(IAF) SURAS
258°
TOULOUSE
D 117.7 TOU
114°
078°
258°
D16.0 TOU
LASBO
By ATC
TOU VOR
127°
294°
415 TOE
D20.0 TOU
079°
ADIMO (IAF)
RESIDUAL HOLDING
MHA 4000
MAX 8000
MAX 220 KT
❷ 267° 10.0 FL 80 4000T
NOT TO SCALE
LF(D)-179
Toulouse (Francazal)
Muret
932′ 1037′ 1139′ 932′ 912′ 1106′ 998′ 936′ 1168′ 1115′ 1088′ 1074′ 1325′ 1011′ 998′ 1116′

44-10 44-00 43-50 43-40 43-30 43-20
01-00 01-10 01-20 01-30 01-40

PANS OPS

CHANGES: Communications.

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LFBO/TLS
BLAGNAC

JEPPESEN

28 MAR 14 (13-2A)

TOULOUSE, FRANCE
VOR Rwy 14R

BRIEFING STRIP

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
				West Sector	East Sector		
123.12	121.1	120.35	123.85	125.17	129.3	118.1	121.9

VOR	Final Apch Crs	Procedure Alt	DA/MDA(H)	Apt Elev
TOU 117.7	145°	D5.0 3000′ (2501′)	950′ (451′)	499′

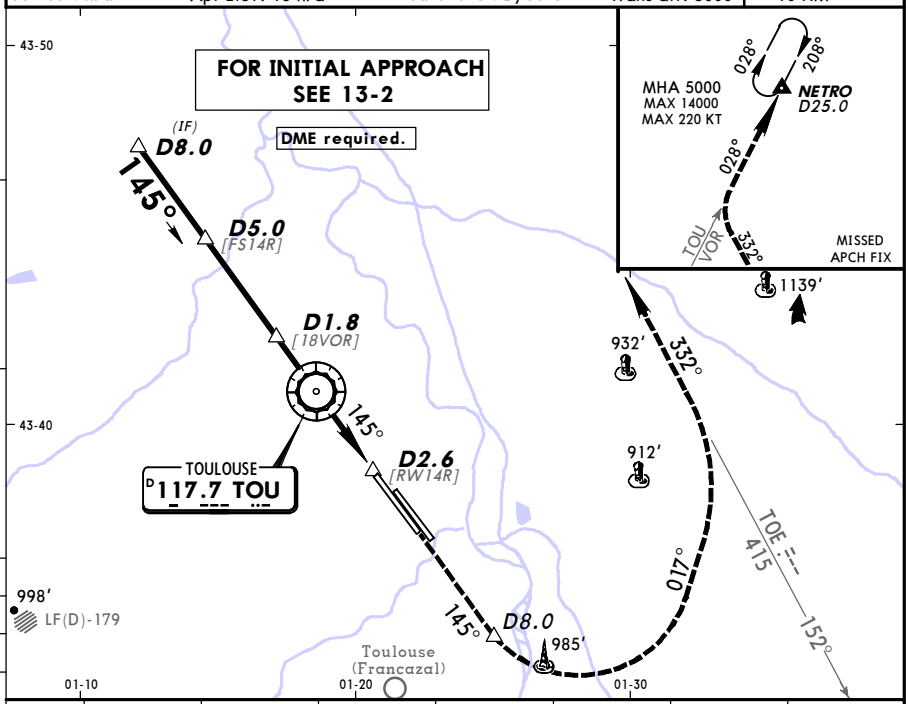
MISSED APCH: Climb on R-145 to D8.0, then turn LEFT onto 017° climbing to 4000′ to intercept and follow 332° from TOE NDB. Proceed on R-028 to NETRO, or as directed. Climb to 1500′ prior to level acceleration.

Alt Set: hPa | Apt Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

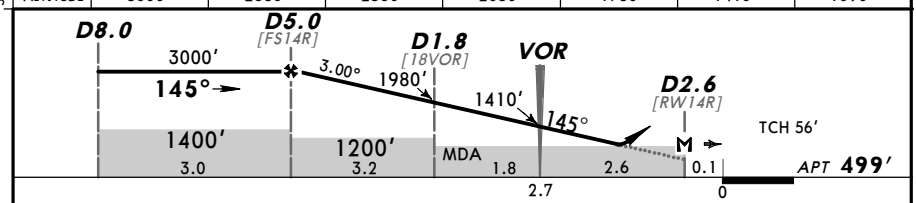
3000′ ❶

MSA TOU VOR

❶ 2500′ within 10 NM



TOU DME	5.0	4.0	3.0	2.0	1.0 before TOU	0.0	1.0 after TOU
ALTITUDE	3000′	2680′	2360′	2050′	1730′	1410′	1090′



Gnd speed-Kts		70	90	100	120	140	160
Descent Angle	3.00°	372	478	531	637	743	849
MAP at D2.6 after VOR							

HIALS-II

D8.0 ↑ TOU on 117.7 R-145

Standard STRAIGHT-IN LANDING RWY 14R

CDFA

DA/MDA(H) ❶ 950′ (451′)

		ALS out
A	RVR 1400m	RVR 1500m
B		
C		CMV 2100m
D		

CIRCLE-TO-LAND

Prohibited Northeast of runway

Max Kts	MDA(H)	VIS
110	1030′ (531′)	1500m
135	1050′ (551′)	1600m
180	1220′ (721′)	2400m
205	1320′ (821′)	3600m

PANS OPS

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

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LFBO/TLS
BLAGNAC

JEPPESEN
28 MAR 14 (13-3)

TOULOUSE, FRANCE
VOR Rwy 32L

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
				West Sector	East Sector		
123.12	121.1	120.35	123.85	125.17	129.3	118.1	121.9

BRIEFING STRIP TM

VOR	Final Apch Crs	Procedure Alt	DA/MDA(H)	Apt Elev 499′
TOU 117.7	324°	Refer to chart 13-3A	Refer to chart 13-3A	

Alt Set: hPa | Apt Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶
MSA TOU VOR

❶ 2500′ within 10 NM

DME required.

FOR FINAL APPROACH SEE 13-3A

TOULOUSE
D 117.7 TOU

(IAF) LASBO
At FL 80

❷ 18 DME Arc TOU

415 TOE
D20.0/R-128 TOU

D16.0 TOU

D15.3 TOU
(IF)

At 4000′

(IAF) AGENO

(IAF) ADIMO

(IAF) SULIT

D16.0 TOU

R-153 TOU
At 4000′

18 DME Arc TOU

D20.0 TOU

(IAF) OGRIL
D23.0 TOU

D23.0 TOU

RESIDUAL HOLDING
MHA 4000
MAX 8000
MAX 220 KT

MAX 220 KT

AGN 114.8
LF(D)-179

Toulouse (Francazal)

Muret

Pamiers

LF(D)-59

LF(R)-46 N 1

PANS OPS

CHANGES: Communications.

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LFBO/TLS
BLAGNAC

JEPPESEN

28 MAR 14 (13-3A)

TOULOUSE, FRANCE
VOR Rwy 32L

BRIEFING STRIP™

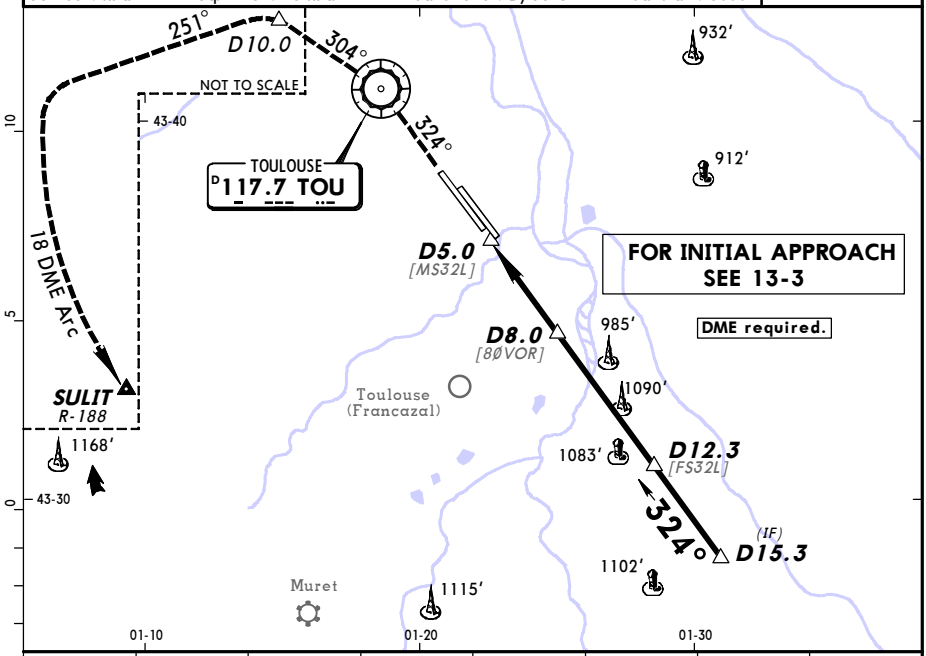
ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
				West Sector	East Sector		
123.12	121.1	120.35	123.85	125.17	129.3	118.1	121.9

VOR	Final Apch Crs	Procedure Alt	DA/MDA(H)	Apt Elev
TOU 117.7	324°	D12.3 3000′ (2501′)	980′ (481′)	499′

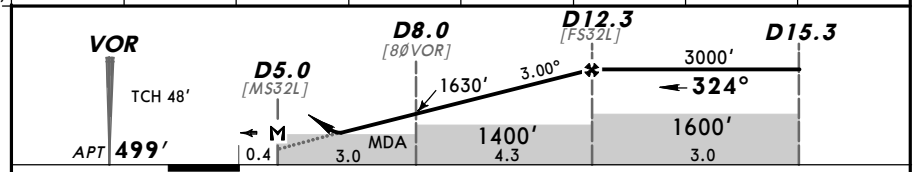
MISSED APCH: Climb on R-144 inbound to VOR to 4000′, then turn LEFT and follow R-304. At D10.0 TOU turn LEFT onto 251° climbing to 5000′ to intercept and follow 18 DME Arc TOU to SULIT.

Alt Set: hPa | Apt Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶
MSA TOU VOR
❶ 2500′ within 10 NM



TOU DME	6.0	7.0	8.0	9.0	10.0	11.0	12.0
ALTITUDE	990′	1310′	1630′	1950′	2270′	2580′	2900′



Gnd speed-Kts		70	90	100	120	140	160
Descent Angle	3.00°	372	478	531	637	743	849
MAP at D5.0							

PAPI-L | TOU 117.7 ↑ on | TOU 117.7 R-144

PANS OPS

Standard STRAIGHT-IN LANDING RWY 32L

CDFA

DA/MDA(H) ❶ 980′ (481′)

		Max Kts	MDA(H)	VIS
A	RVR 1500m	110	1030′ (531′)	1500m
B		135	1050′ (551′)	1600m
C	CMV 2200m	180	1220′ (721′)	2400m
D		205	1320′ (821′)	3600m

CIRCLE-TO-LAND

Prohibited Northeast of runway

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

CHANGES: Communications.

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LFBO/TLS
BLAGNAC

JEPPESEN
28 MAR 14 (13-4)

TOULOUSE, FRANCE
VOR Rwy 32R

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
			West Sector	East Sector			
123.12	121.1	120.35	123.85	125.17	129.3	118.1	121.9

VOR	Final Apch Crs	Procedure Alt	DA/MDA(H)	
TOU 117.7	322°	Refer to chart 13-4A	Refer to chart 13-4A	Apt Elev 499′

Alt Set: hPa | Apt Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

3000′ ❶
MSA TOU VOR

BRIEFING STRIP

❶ 2500′ within 10 NM

DME required.

FOR FINAL APPROACH SEE 13-4A

TOULOUSE
D 117.7 TOU

❷ 18 DME Arc TOU

415 TOE
D20.0/R-128 TOU

(IAF) LASBO
At FL 80

5.0
3000
143°
D16.0 TOU

(IF) D15.7 TOU

322°

6.4
267°
3000

259°
267°
079°
10.0
4000
At 4000′

(IAF) ADIMO

RESIDUAL HOLDING
MHA 4000
MAX 8000
MAX 220 KT

MAX 220 KT

136°

3000

R-153 TOU
At 4000′

18 DME Arc TOU

(IAF) AGENO

5.6
4000
144°

AGN
114.8
LF(D)-179
144°

Toulouse (Francazal)

Muret

(IAF) SULIT

188°

D16.0 TOU

4000

D20.0 TOU

008°
033°
188°

D23.0 TOU

(IAF) OGRIL
D23.0 TOU

LF(D)-59

LF(R)-46 N 1

Pamiers

1007′ 1234′ 1139′ 909′ 912′ 1005′ 1090′ 972′ 955′ 1205′ 1115′ 1102′ 1011′ 1191′ 998′ 1116′ 1227′ 1106′ 1319′ 1208′ 1339′ 1375′ 1566′ 1592′ 2471′ 965′ 1900′ 1887′ 2300′ 1602′ 1618′

43-50 43-40 43-30 43-20 43-10

20 15 10 5 0 5

01-10 01-20 01-30 01-40 01-50

PANS OPS

CHANGES: Communications.

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LFBO/TLS
BLAGNAC

JEPPESEN

28 MAR 14 (13-4A)

TOULOUSE, FRANCE
VOR Rwy 32R

BRIEFING STRIP TM

ATIS	BLAGNAC Approach up to FL 100	TOULOUSE Approach				BLAGNAC Tower	Ground
				West Sector	East Sector		
123.12	121.1	120.35	123.85	125.17	129.3	118.1	121.9

VOR	Final Apch Crs	Procedure Alt	DA/MDA(H)	Apt Elev
TOU 117.7	322°	D12.7 3000′ (2501′)	980′ (481′)	499′

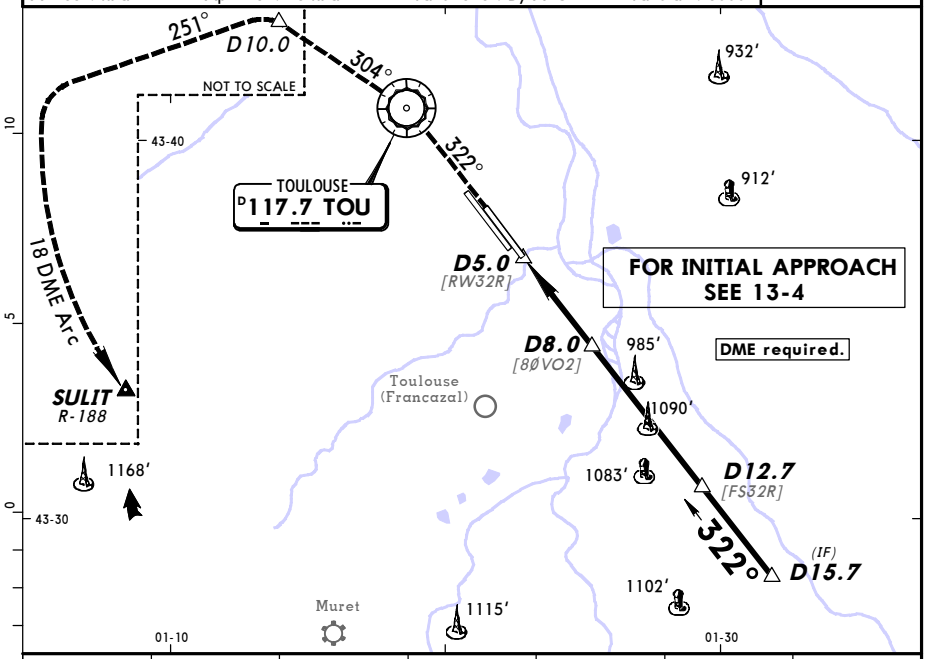
MISSED APCH: Climb on R-142 inbound to VOR to 4000′, then turn LEFT and follow R-304. At D10.0 TOU turn LEFT onto 251° climbing to 5000′ to intercept and follow 18 DME Arc TOU to SULIT.

Alt Set: hPa | Apt Elev: 18 hPa | Trans level: By ATC | Trans alt: 5000′

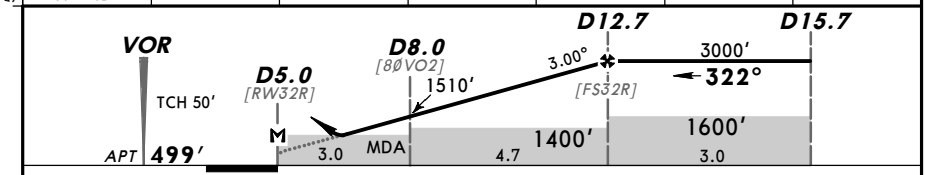
3000′ ❶

MSA TOU VOR

❶ 2500′ within 10 NM



TOU DME	7.0	8.0	9.0	10.0	11.0	12.0
ALTITUDE	1190′	1510′	1830′	2150′	2470′	2780′



Gnd speed-Kts		70	90	100	120	140	160
Descent Angle	3.00°	372	478	531	637	743	849
MAP at D5.0							

REIL | TOU 117.7 ↑ on TOU 117.7 R-142

Standard STRAIGHT-IN LANDING RWY32R

CDFA

DA/MDA(H) ❶ 980′ (481′)

			Max Kts	MDA(H)	VIS
A	RVR 1500m		110	1030′ (531′)	1500m
B			135	1050′ (551′)	1600m
C	CMV 2200m		180	1320′ (821′)	2400m
D			205	1320′ (821′)	3600m

CIRCLE-TO-LAND

Prohibited Northeast of runway

PANS OPS

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

CHANGES: Communications.

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LFBO/TLS

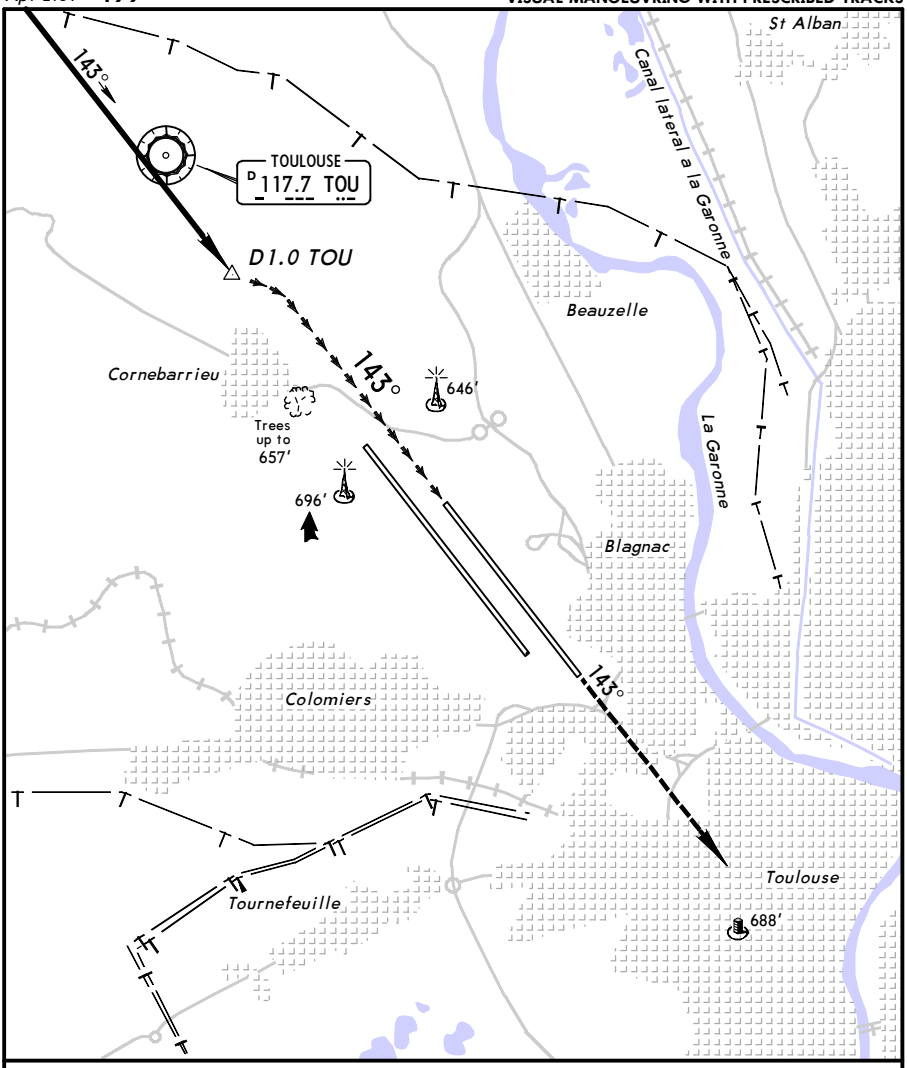
JEPPESEN

20 APR 12 (19-10) Eff 3 May

TOULOUSE, FRANCE
BLAGNAC
VPT RWY 14L

Apt Elev **499′**

VISUAL MANOEUVRING WITH PRESCRIBED TRACKS



MISSED APPROACH: Climb on 143° and as directed.

Standard

	Max Kts	MDA(H)	VIS
A	110	**1080′** *(581′)*	*1500m*
B	135	**1080′** *(581′)*	*1600m*
C	180	**1100′** *(601′)*	*2400m*
D	205	**1200′** *(701′)*	*3600m*

CHANGES: Bearings.

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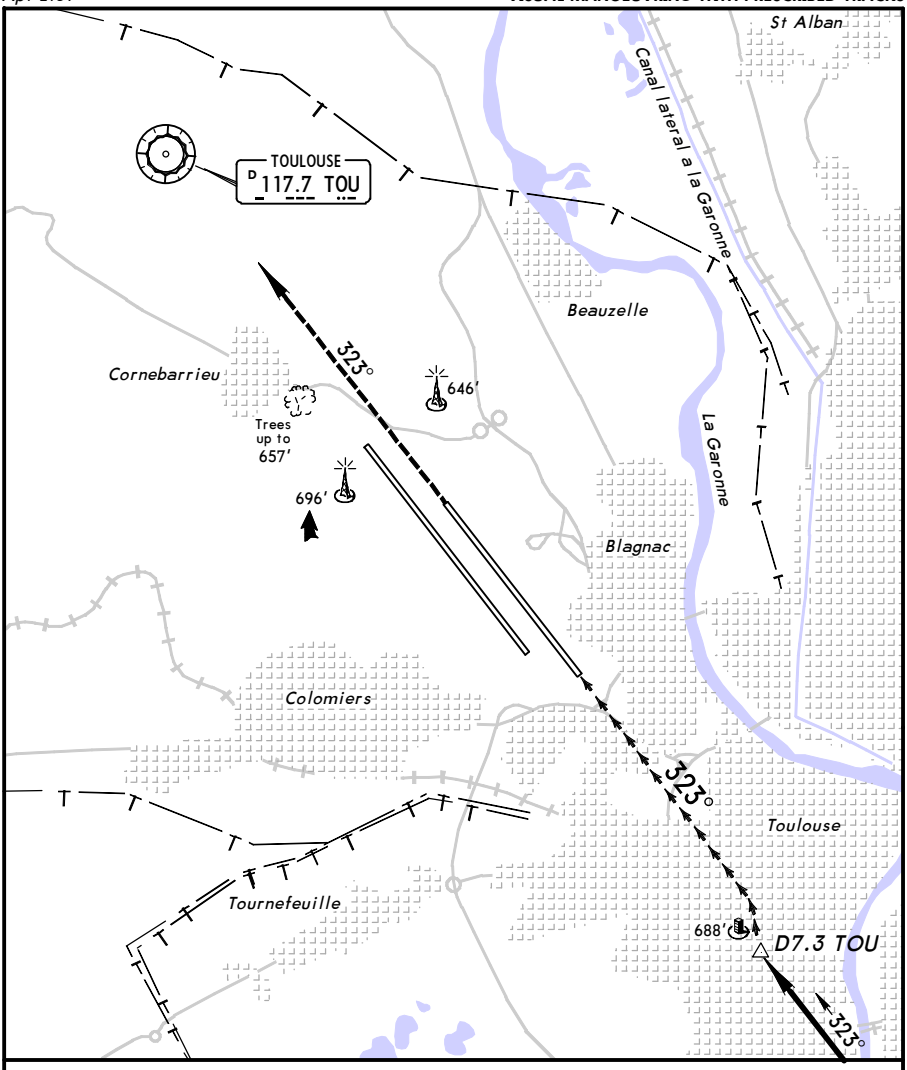
TOULOUSE, FRANCE
BLAGNAC
VPT RWY 32R

Apt Elev **499′**

VISUAL MANOEUVRING WITH PRESCRIBED TRACKS



MISSED APPROACH: Climb on 323° and as directed.

Standard

	Max Kts.	MDA(H)	VIS
A	110	**1410′** *(911′)*	*1500m*
B	135	**1410′** *(911′)*	*1600m*
C	180	**1410′** *(911′)*	*2400m*
D	205	**1410′** *(911′)*	*3600m*

CHANGES: Bearings.

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JEPPESEN
JeppView for Windows

Chart changes since cycle 12-2016

ADD = added chart, REV = revised chart, DEL = deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE

TOULOUSE, (BLAGNAC - LFBO)

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TERMINAL CHART CHANGE NOTICES

Chart Change Notices for Airport LFBO

Type: Terminal
Effectivity: Temporary
Begin Date: Immediately
End Date: 20161115

Minimums changed as follows: LOC RWY 14L (11-1B): DA/MDA(H) 910' (421'), RVR 1200m, ALS out CAT AB: RVR 1500m, CAT CD: RVR 1900m. LPV RWY 14L (12-1A): DA(H) CAT A: 789' (300'), CAT B: 799' (310'), CAT C: 809' (320'), CAT D: 819' (330'), CAT ABC: RVR 750m, CAT D: RVR 800m, ALS out CAT ABC: RVR 1400m, CAT D: RVR 1500m. LNAV/VNAV RWY 14R (12-2A): DA/MDA(H): 908' (420').

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 andCL: 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

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Saint Exupйry (LFLL), Nice Cфte d'Azur (LFMN), Beauvais-Tillй (LFOB), Bordeaux-Mйrignac (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 latest NOTAMs.