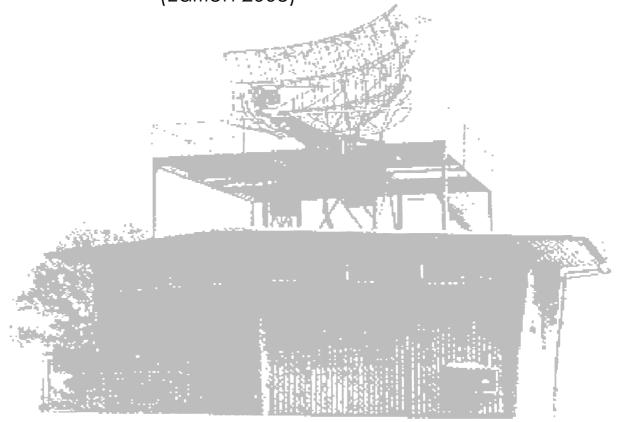


Frozen JEPPESEN Route Manual for

calling Radar

Training Exercises

IFR Communications (Edition 2008)



(10-1P7) **3. DEPARTURE**

3.1. START-UP AND TAXI PROCEDURES

IFR traffic must contact BASLE Flight Data five minutes prior to estimated start-up time indicating:

- call sign,
- destination,
- parking position,
- ATIS code confirmed.

ACFT with wingspan of less than 118'/36m have to vacate Main Apron via orange taxi routes, other ACFT have to use yellow taxi routes.

3.2. NOISE ABATEMENT PROCEDURES

Pilots shall adopt climb configuration and power rating according to noise abatement techniques and the respective operational conditions. Climb to 5000' as soon as possible.

RWY 16

Authorized ACFT for SID BASUD 5Y (refer to 10-3) and SID HOC 5Y (refer to 10-3C) are:

- prop ACFT with Certificate of Noise Limitation (CLN);
- turbo-jet ACFT licensed according to ICAO Annex 16, Volume I, Part 11, Chapter 3 and with an overflying certification noise level of less than 89 EPNdB.

RWY 26

RWY 26 is the preferential RWY for ELBEG, GTQ, LUMEL, STR SIDs, unless otherwise specified by ATC. RWY 26 is recommended for take-off depending on the operational standards specific to each ACFT and the operational conditions at the moment. If pilot can not use it, it is required to inform preflight BASLE (120.5) on first contact.

RWY 34

Recommended for certain types of ACFT during day (0600-2200LT) known as noisy by the APT authority and for all departures during night (2200-0600LT) subject to operational conditions.

3.3. OTHER INFORMATION

3.3.1. DATALINK DEPARTURE CLEARANCE (DCL)

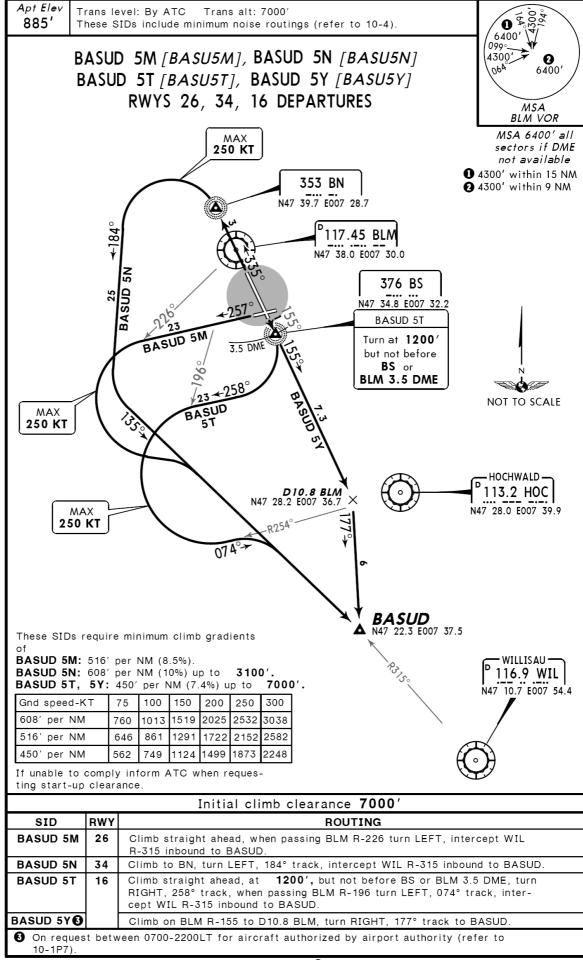
The following time parameters apply:

- t_i 15 min before starting up time
- t_t 5 min before starting up time
- t₁ 10 min before starting up time

No DCL service when RWY 34 in use.

CHANGES: STARs GTQ 8K, STR 8K restriction revised.

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CHANGES: SIDs BASUD 5T, 5Y climb gradient.

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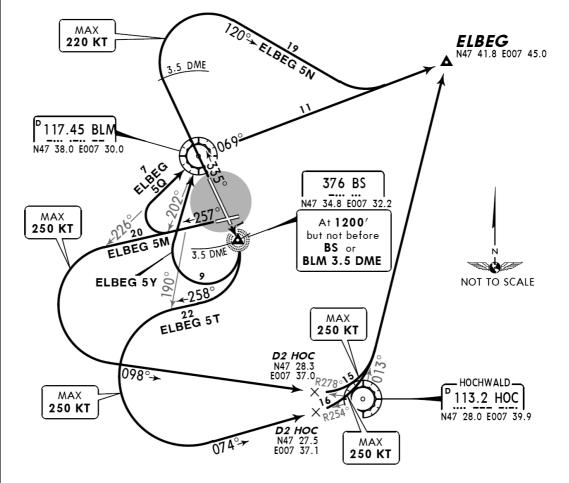
12 OCT 07 (10-3A)

RWYS 26, 34, 16 DEPARTURES

Apt Elev Trans level: By ATC Trans alt: 7000 O 6 885 These SIDs include minimum noise routings (refer to 10-4). 6400' 099°_ 4300′ Ø ELBEG 5M [ELBE5M], ELBEG 5N [ELBE5N] ELBEG 5Q [ELBE5Q], ELBEG 5T [ELBE5T] ELBEG 5Y [ELBE5Y] MSABLM VOR

> M\$A 6400' all sectors if DME not available

- **1** 4300' within 15 NM
- 2 4300' within 9 NM



These SIDs require minimum climb gradients

ELBEG 5M, 5Q: 516' per NM (8.5%).

ELBEG 5N: 304' per NM (5%).

ting start-up clearance.

ELBEG 5T, 5Y: 450' per NM (7.4%) up to **7000'.** If unable to comply inform ATC when reques-

Gnd speed-KT	75	100	150	200	250	300
516' per NM	646	861	1291	1722	2152	2582
450' per NM	562					
304' per NM	380	506	760	1013	1266	1519

Initial climb clearance 7000'					
SID	RWY	ROUTING			
ELBEG 5M	26	Climb straight ahead, when passing BLM R-226 turn LEFT, intercept HOC R-278 inbound to D2 HOC, intercept HOC R-013 to ELBEG.			
ELBEG 5N	34	Climb on 335° track to BLM 3.5 DME, turn RIGHT, 120° track, intercept BLM R-069 to ELBEG.			
ELBEG 5Q	26	Climb straight ahead, when passing BLM R-202, turn RIGHT to BLM, BLM R-069 to ELBEG.			
ELBEG 5T	16	Climb straight ahead, at 1200' , but not before BS or BLM 3.5 DME, turn RIGHT, 258° track, when passing BLM R-190 turn LEFT, intercept HOC R-254 inbound to D2 HOC, intercept HOC R-013 to ELBEG.			
ELBEG 5Y		Climb straight ahead, at 1200' , but not before BS or BLM 3.5 DME, turn RIGHT to BLM, BLM R-069 to ELBEG.			

CHANGES: SIDs ELBEG 5T, 5Y climb gradient.

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12 OCT 07 (10-3C) **BASLE-MULHOUSE** Apt Elev Trans level: By ATC Trans alt: 7000 0 % 885 These SIDs include minimum noise routings (refer to 10-4). 6400' 0990 HOC 5M, HOC 5N, HOC 5T, HOC 5Y 4300 Ø RWYS 26, 34, 16 DEPARTURES MSABLM VOR MSA 6400' all sectors if DME not available 4300' within 15 NM 353 BN 2 4300' within 9 NM N47 39.7 E007 28.7 250 KT 117.45 BLM 84 N47 38.0 E007 30.0 376 BS N47 34.8 E007 32.2 HOC 5T Turn at 1200' but not before BS or BLM 3.5 DME MAX 250 KT These SIDs require minimum climb gradients 113.2 HOC HOC 5M: 516' per NM (8.5%). N47 28.0 E007 39.9 HOC 5N: 608' per NM (10%) up to 3100' **HOC 5T, 5Y:** 450' per NM (7.4%) up to 7000'. 300 250 Gnd speed-KT 75 100 150 200 608' per NM 760 1013 1519 2025 2532 3038 516' per NM 646 861 1722 2152 NOT TO SCALE 562 749 1124 1499 1873 2248 If unable to comply inform ATC when requesting start-up clearance Initial climb clearance 7000' SID RWY ROUTING HOC 5M 26 Climb straight ahead, when passing BLM R-202 turn LEFT, intercept HOC R-292 inbound to HOC HOC 5N 34 Climb to BN, turn LEFT, 184° track, intercept HOC R-292 inbound to HOC HOC 5T Climb straight ahead, at 1200', but not before BS or BLM 3.5 DME, turn RIGHT, 248° track (remain north of HOC R-288), when passing BLM R-190 turn LEFT to HOC HOC 5Y Climb straight ahead, intercept 155° bearing from BS, intercept HOC R-292

CHANGES: SIDs HOC 5T, 5Y climb gradient.

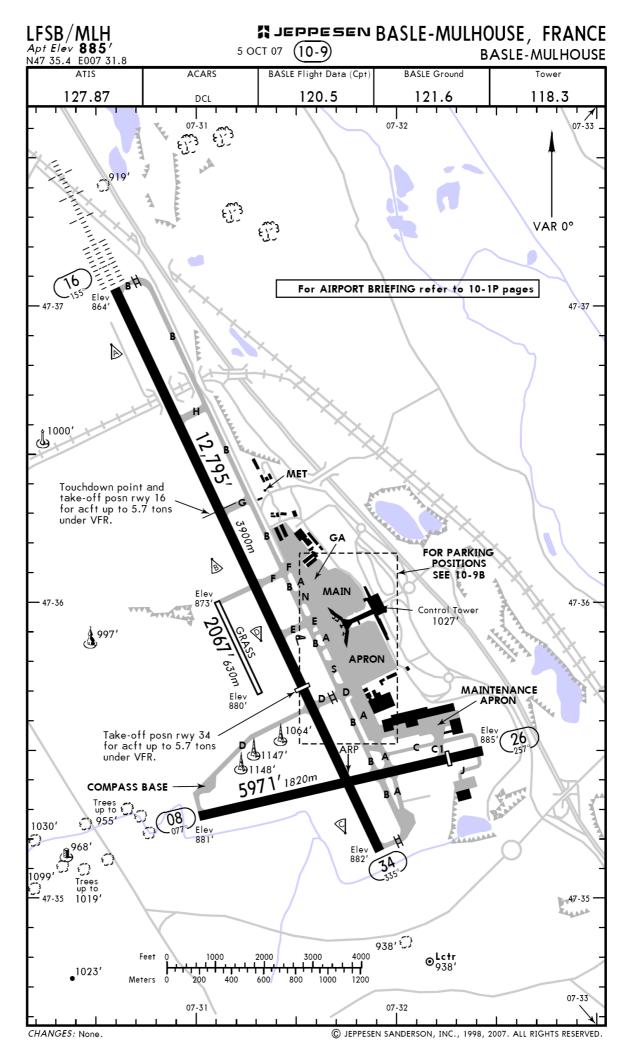
inbound to HOC

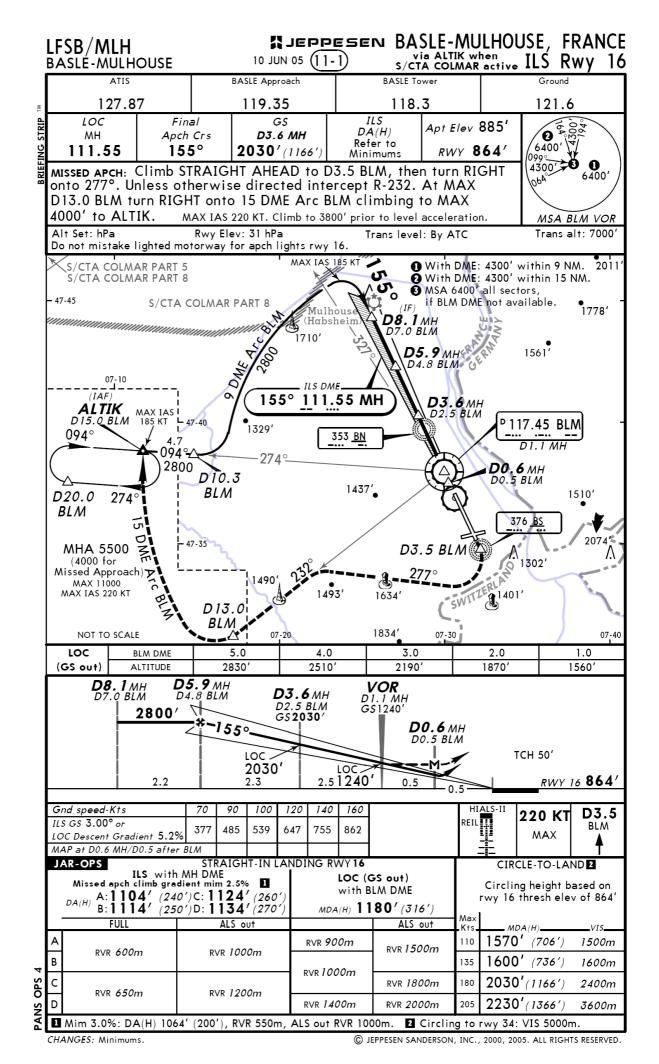
🗿 On request between 0700-2200LT for aircraft authorized by airport authority (refer to

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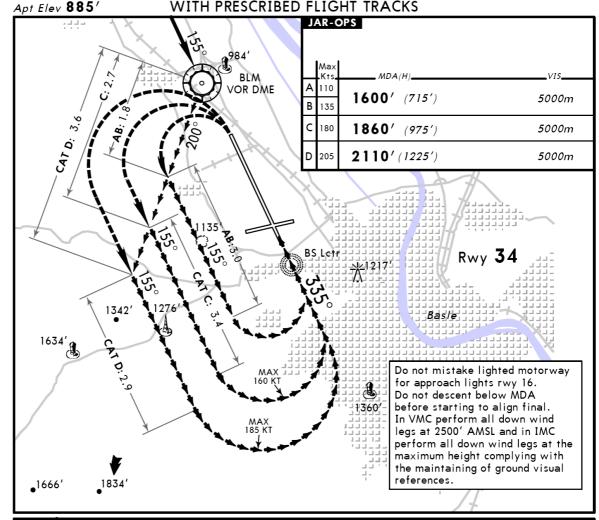
0

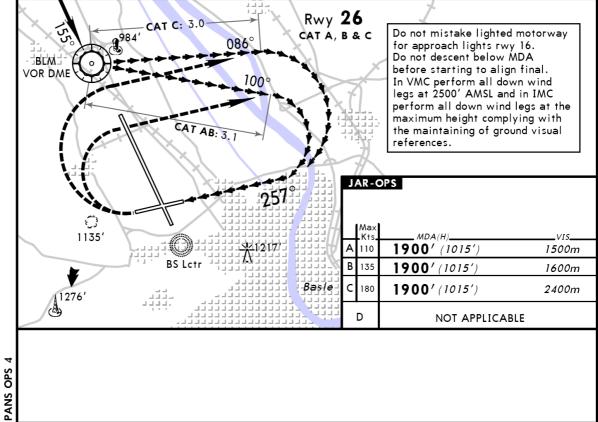
10-1P7)





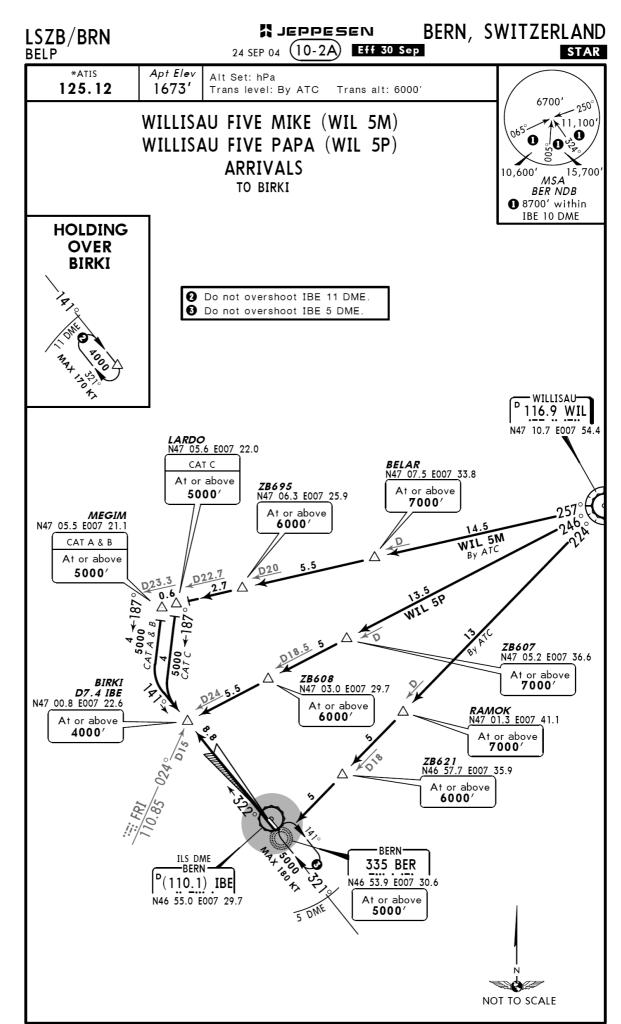
CIRCLE-TO-LAND WITH PRESCRIBED FLIGHT TRACKS





CHANGES: Procedure. Minimums.

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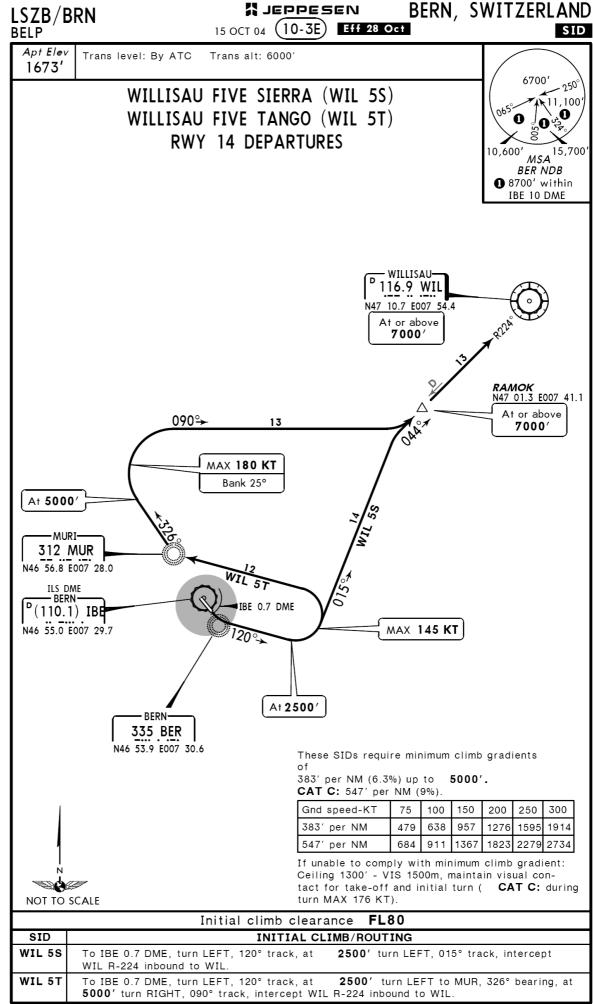
¼ JEPPESEN

CHANGES: SIDs renumbered & revised.

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CHANGES: TA raised; initial climb clearance; SIDs renumbered.

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CHANGES: TA raised.

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N46 55.0 E007 29.7 These SIDs require minimum climb gradients 383' per NM (6.3%) up to BERN' CAT C: 547' per NM (9%). 335 BER 2500 Gnd speed-KT 300 75 100 150 200 250 N46 53.9 E007 30.6 383' per NM 479 957 1276 1595 1914 638 547' per NM 911 1367 2279 2734 684 1823 If unable to comply with minimum climb gradient:

Initial climb clearance FL80

SID INITIAL CLIMB/ROUTING

BALIR 6S Climb straight ahead to IBE 0.7 DME, turn LEFT, 120° track, at 2500′ turn LEFT, 015° track, intercept WIL R-224 inbound to RAMOK, then to ZB506, then to BALIR.

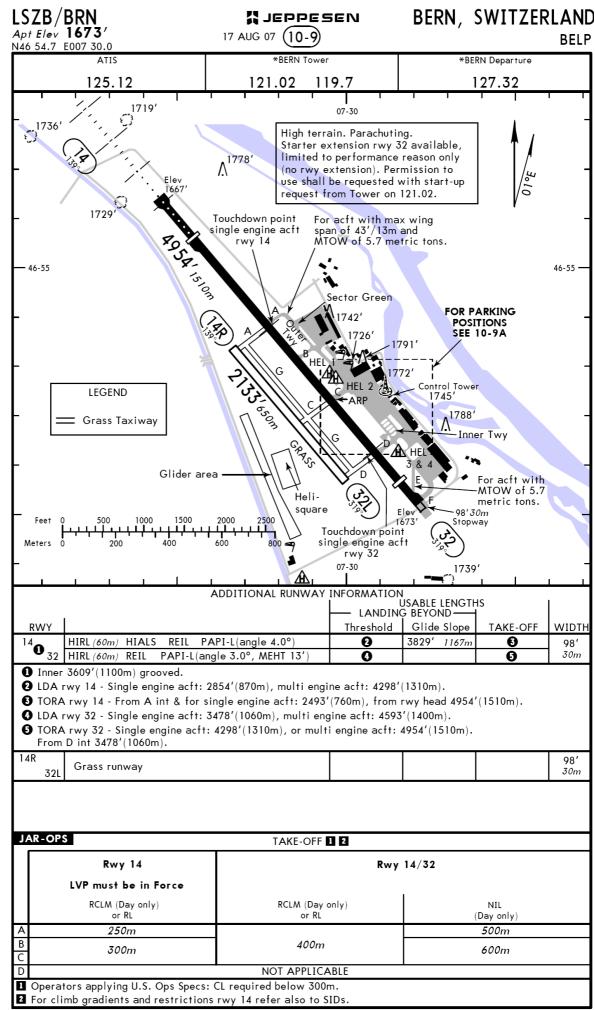
BALIR 6T Climb straight ahead to IBE 0.7 DME, turn LEFT, 120° track, at 2500′ turn LEFT to MUR, 326° bearing, at 5000′ turn RIGHT, 090° track, intercept WIL R-224 inbound to RAMOK, then to ZB506, then to BALIR.

turn MAX 176 KT)

CHANGES: RNAV SIDs renumbered; crossing at BALIR.

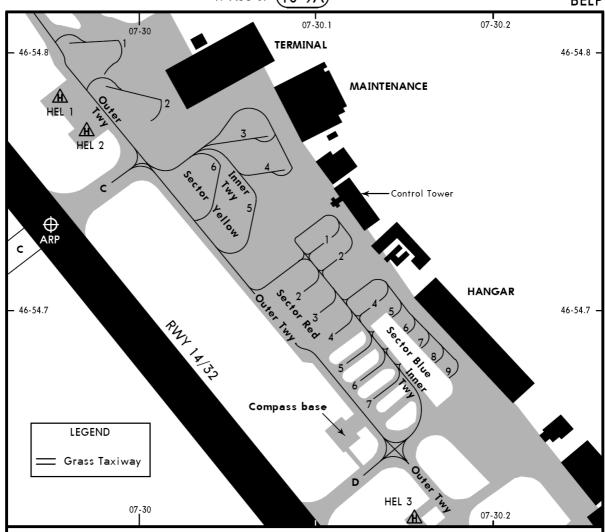
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Ceiling 1300' - VIS 1500m, maintain visual contact for take-off and initial turn (**CAT C:** during



CHANGES: Variation. Runway bearings. AD layout.

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INS COORDINATES

3, 4 N46 54.8 E007 30.1 Sector Blu 6 N46 54.8 E007 30.0 1 thru 5 N46 54.7 E007	7 30.1

PROCEDURE FOR ARRIVING/DEPARTING ACFT

Arriving acft shall taxi independently to the parking position or as instructed by Tower. In certain cases the final guidances will be assured by marshaller.

Departing acft shall taxi from the parking position as instructed by Tower.

START-UP PROCEDURE

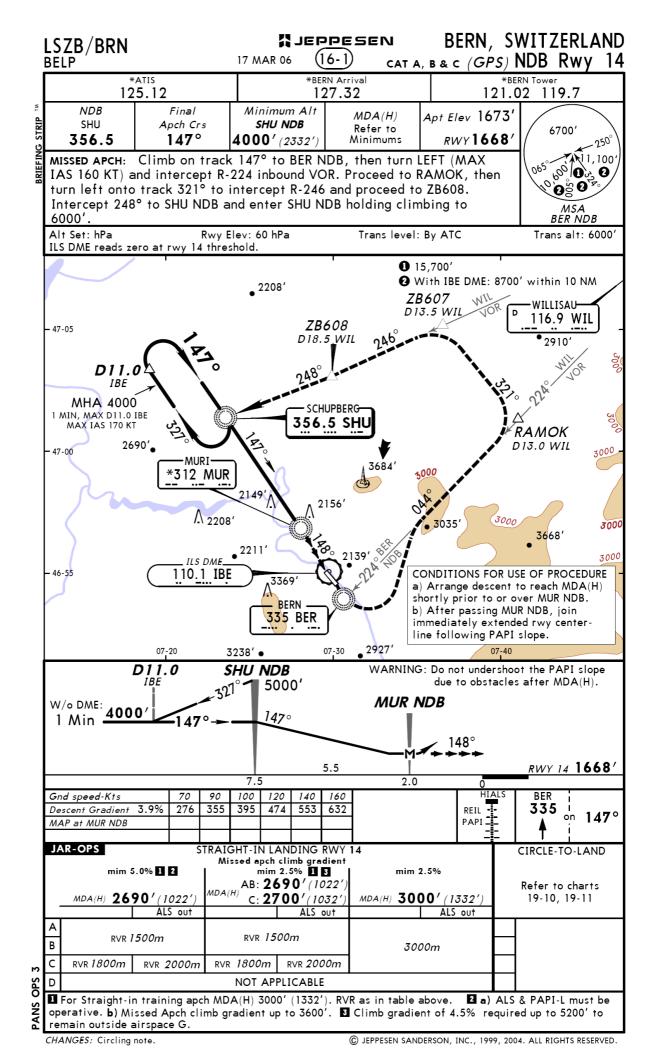
The request of a start-up clearance from BERN Tower 121.02 with indication of ATIS designator is compulsory.

CHANGES: Parking stands.

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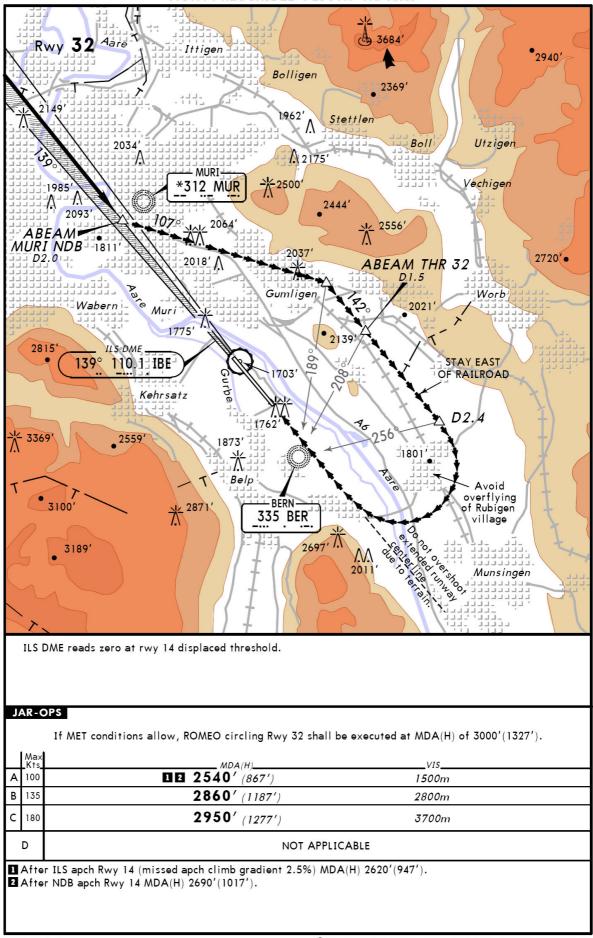
CHANGES: LOC course.

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INFORMATION ONLY

ROMEO CIRCLE-TO-LAND WITH PRESCRIBED FLIGHT TRACKS



CHANGES: None.

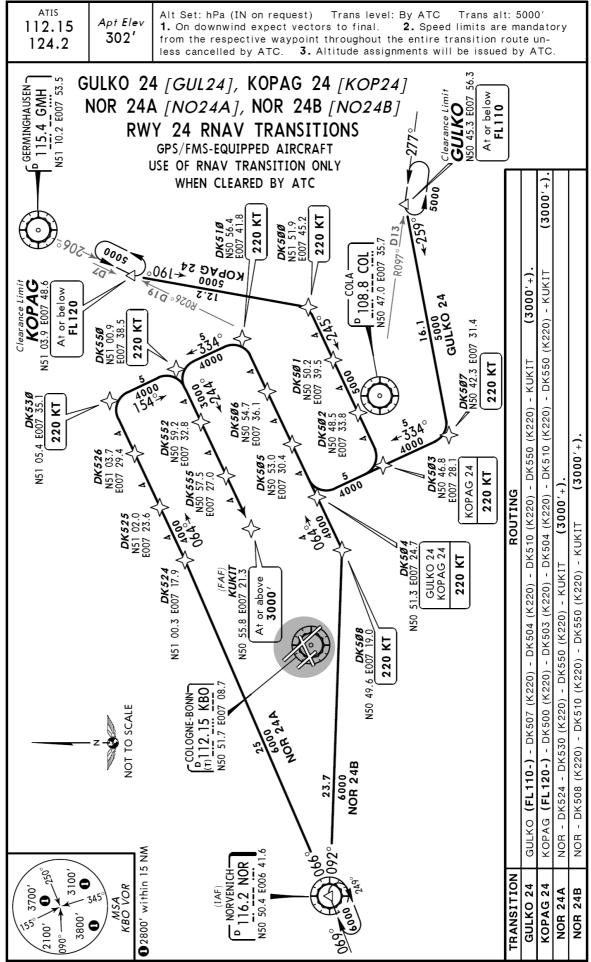
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CHANGES: LOC frequency. Procedure.

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24 AUG 07 (10-2D) Eff 30 Aug

RNAV TRANSITION



CHANGES: Communications.

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CHANGES: STARs completely revised.

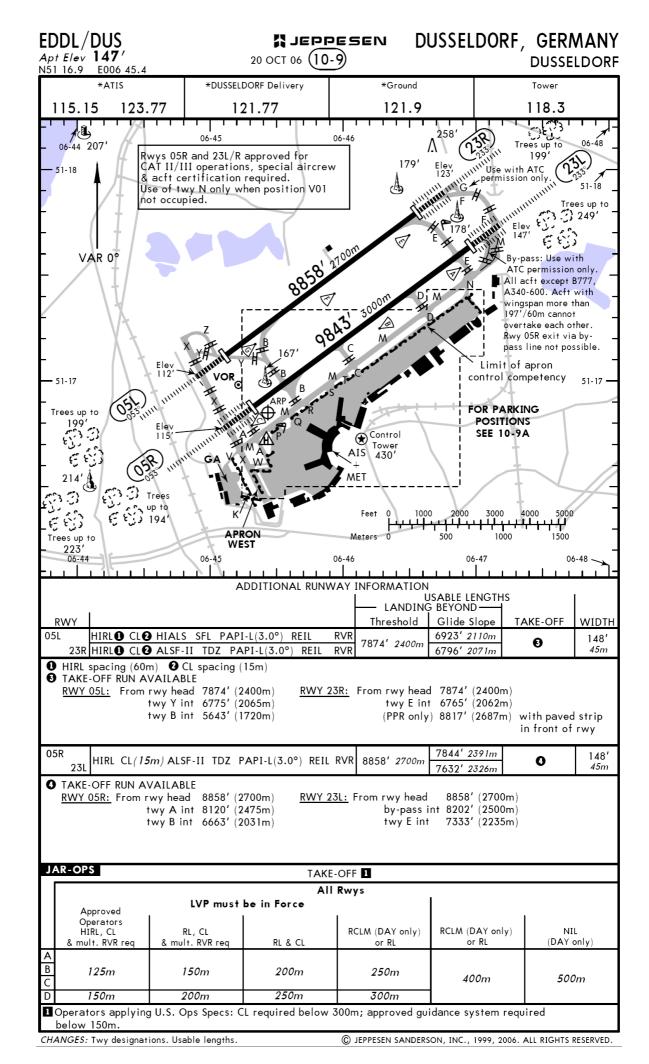
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SID **RWY** ROUTING Intercept 055° bearing (Rwy 05L)/052° bearing (Rwy 05R) towards LI, at **DODEN 3J** 05L D6.4 DUS turn RIGHT, intercept BAM R-279 inbound to BAM, BAM R-129 **DODEN 3Z** 05R to D14.6 BAM 1, turn RIGHT, 143° track to BETZO, turn RIGHT, 148° track to DODEN **DODEN 3L** 23R Intercept 231° bearing (Rwy 23R)/234° bearing (Rwy 23L) towards DY, at DUS 4.5 DME turn LEFT, intercept NOR R-354 inbound to D20.6 NOR, **DODEN 3T** 23L turn LEFT, intercept GMH R-266 inbound to D18.7 GMH ② , turn RIGHT, 143° track to BETZO, turn RIGHT, 148° track to DODEN /D18.7 GMH 2 BRNAV equipment necessary

CHANGES: SIDs DODEN 3J, 3Z initial climb.

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After D14.6 BAM



CHANGES: Director frequency.

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CHANGES: STARs renumbered & revised.

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ROUTING

PSA (FL110; K220+) - CHA - DF080 (K220) - DF084 - DF031 - DF036 (FL90; K220) - DF026 - DF025 (FL80) - DF024 (FL70+) - DF021 (K220) - LEDKI (25L (25L (4000'+)) / REDGO (25R; 4000'+).

CHANGES: RNAV transition revised.

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Climb on runway track to FRD 1.6 DME (FFM 1.5 DME inbound) or whichever is later, turn RIGHT, intercept FFM R-199, at D10.3 FFM turn LEFT, intercept RID R-357 inbound to RID, turn RIGHT, RID R-184 to ANEKI

CHANGES: SIDs renumbered & revised; chart reindexed.

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ANEKI 8E

turn RIGHT, RID R-184 to ANEKI

CHANGES: None.

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Apt Elev

364

LANGEN

Radar

136.12

JEPPESEN FRANKFURT/MAIN, GERMANY 28 APR 06 (10-3N2)

∕₄₃₀₀, ≅

MSA FFM VOR

3200'

/2_{5°}

3500

Trans level: By ATC Trans alt: 5000'

1. Contact LANGEN Radar immediately after take-off.

2. SIDs are also noise abatement procedures (refer to 10-4C). Strict adherence within the limits of aircraft performance is mandatory.

3. EXPECT close-in obstacles.

4. Wind shears and increased turbulences must be expected when winds heavy.

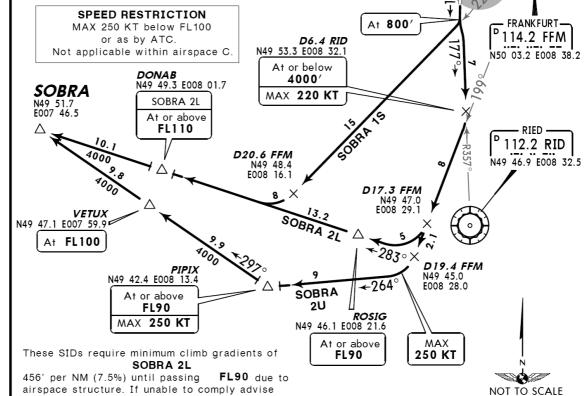
5. For departure designation refer to page 10-4.

SOBRA TWO LIMA (SOBRA 2L) SOBRA ONE SIERRA (SOBRA 1S) SOBRA TWO UNIFORM (SOBRA 2U) RWY 18 DEPARTURES

FOR FLIGHTS INTENDING TO PROCEED AT OR ABOVE FL250 VIA AIRWAYS Y 180/Y 181

FLIGHTS HAVE TO BE ABLE TO CROSS RUDOT AT OR ABOVE FL240
IF UNABLE TO COMPLY, FLIGHT PLAN SHALL READ:
RUDOT FL220 - Y 180 - DIK RFL

NON RNAV (ENROUTE ONLY) EQUIPPED AIRCRAFT SHALL USE SIDS WITH DESIGNATOR Z



SOBRA 2U							
	Gnd speed-KT	75	100	150	200	250	300
	456' per NM	570	760	1139	1519	1899	2279
FRANKFURT Delivery prior to start-up and ex- pect routing via ULKIG 3U.	328' per NM	410	547	820	1094	1367	1641

Initial climb clearance 4000 SID ROUTING SOBRA 2L 800', intercept RID R-357 inbound to D6.4 RID, Climb on runway track to Will be assigned when turn RIGHT, intercept FFM R-199, at D17.3 FFM 1 turn RIGHT, 283° track via ROSIG and DONAB to SOBRA. landing direction is 07 SOBRA 1S 800', turn RIGHT, intercept FFM R-223, at D20.6 Climb on runway track to FFM 2 turn RIGHT, 283° track via DONAB to SOBRA. Only to be used when landing direction is 25 SOBRA 2U Climb on runway track to 800', intercept RID R-357 inbound to D6.4 RID, turn RIGHT, intercept FFM R-199, at D19.4 FFM turn RIGHT, 264° track to PIPIX, turn RIGHT, 297° track via VETUX to SOBRA **1** / D20.6 FFM **2** / D19.4 FFM BRNAV equipment necessary After D17.3 FFM

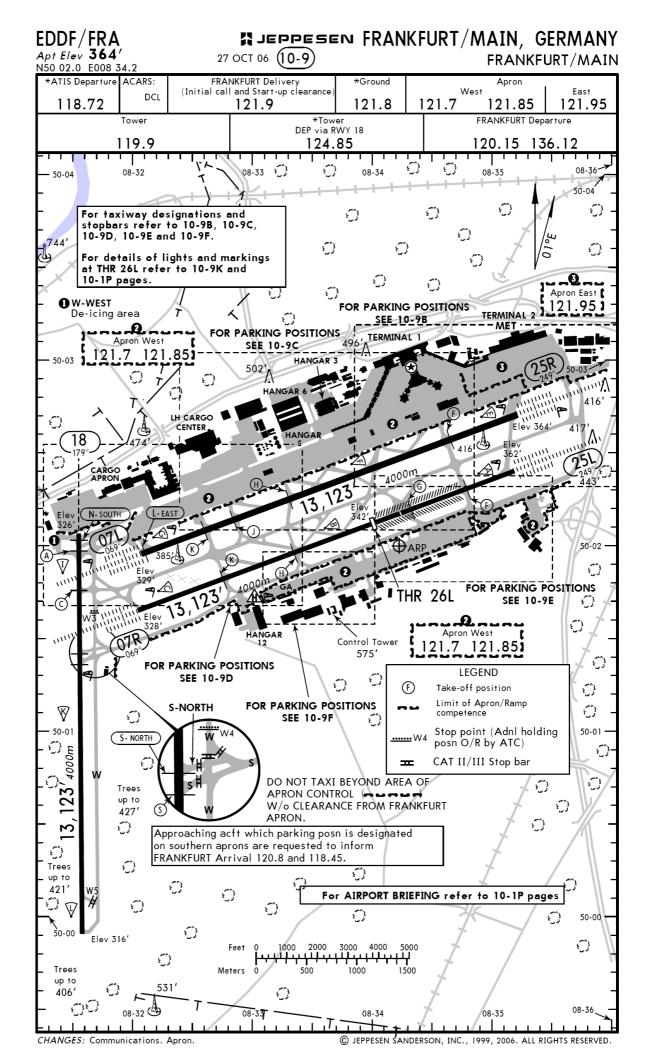
CHANGES: None.

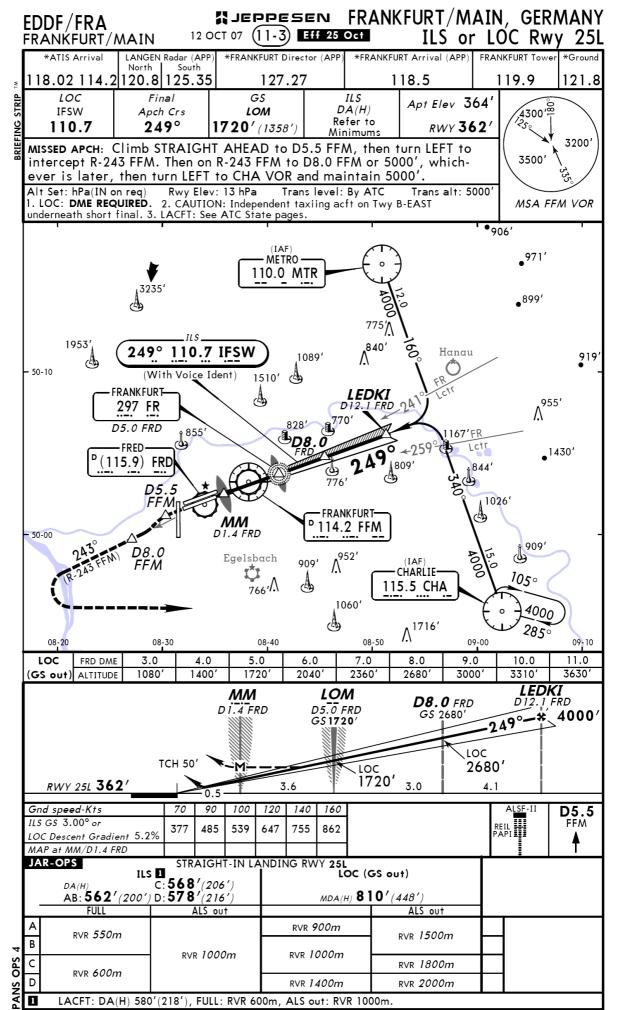
F

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FRANKFURT Delivery prior to start-up and ex-

pect routing via SOBRA 2U





CHANGES: Communications. Missed approach. Procedure

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These SIDs require minimum climb gradients of

ALAGO 4E

328' per NM (5.4%) until passing 5000' due to airspace.

ALAGO 4W

261' per NM (4.3%) until passing 4000' due to airspace.

Gnd speed-KT	75	100	150	200	250	300
328' per NM	410	547	820	1094	1367	1641
261' per NM	327	435	653	871	1089	1306



SPEED RESTRICTION
Speed limit below FL100:
MAX 250 KT or as by ATC.
Not applicable within airspace C

Initial climb clearance 5000'						
SID	RWY ROUTING					
ALAGO 4E	06	On 059° bearing from FHA to D2.8 FHD, turn LEFT, 269° track, intercept 337° bearing from FHA to ALAGO.				
ALAGO 4W 24 On 239° bearing from FHA to D5 FHD, turn RIGHT, 054° track, intercept 337° bearing from FHA to ALAGO.						
3 After ALA	3 After ALAGO BRNAV equipment necessary.					

CHANGES: None.

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Apt Elev

1367'

ZURICH

Arrival

119.92

1 APR 05 10-3E Eff 14 Apr

Contact ZURICH Arrival immediately after take-off.
 SIDs are also noise abatement routings. Strict adherence within the limits of aircraft performance is mandatory.

Trans alt: 5000

3. EXPECT close-in obstacles.

Trans level: By ATC

TRASADINGEN ONE ECHO (TRA 1E) TRASADINGEN ONE WHISKEY (TRA W) RWYS 06, 24 DEPARTURES

SPEED RESTRICTION

Speed limit below FL100: MAX 250 KT or as by ATC. Not applicable within airspace C

MSA FHA NDB applicable over German territory only 3900' within 10 NM 4200' within 10 NM

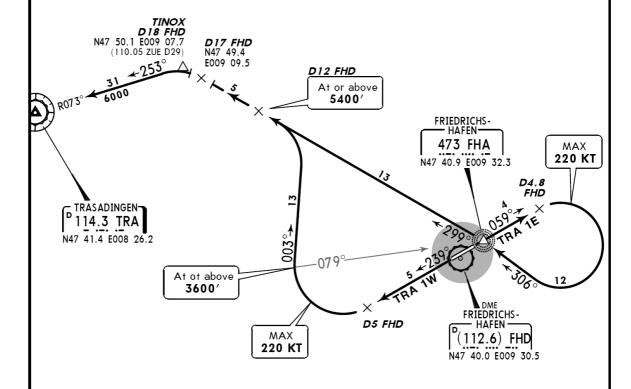
4300'

085

4900

0

- 265



This SID requires a minimum climb gradient of								
261' per NM (4.3%) until passing 5400' due to airspace.								
Gnd speed-KT	75	100	150	200	250	300		

TRA 1W

 Gnd speed-KT
 75
 100
 150
 200
 250
 300

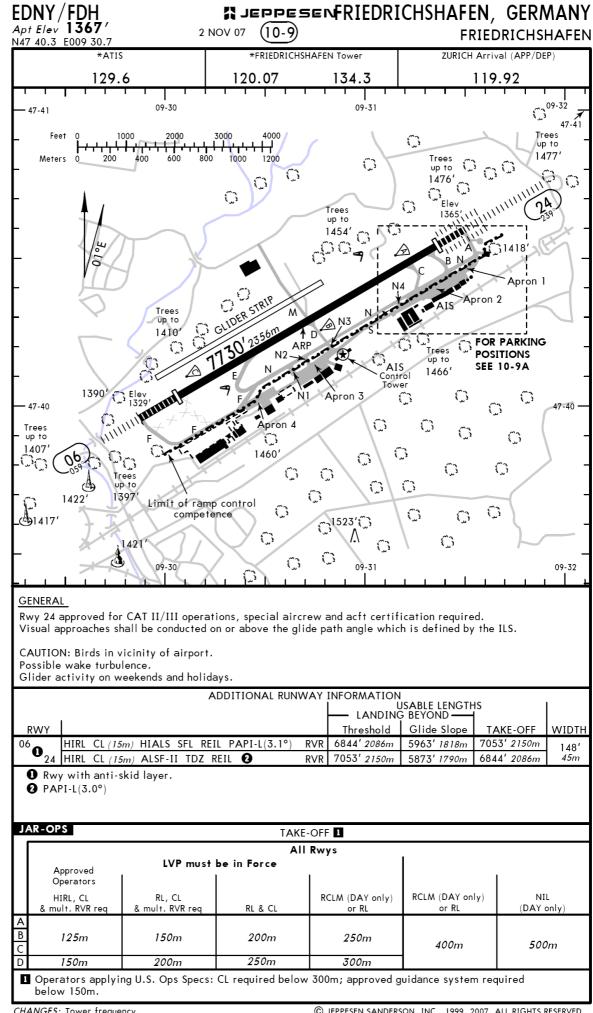
 261' per NM
 327
 435
 653
 871
 1089
 1306

	Initial climb clearance 5000'							
SID	RWY	ROUTING						
TRA 1E	06	On 059° bearing from FHA to D4.8 FHD, turn RIGHT, intercept 306° bearing to FHA, turn LEFT, 299° bearing to D17 FHD, turn LEFT, intercept TRA R-073 inbound to TRA.						
TRA 1W	24	On 239° bearing from FHA to D5 FHD, turn RIGHT, 003° track, turn LEFT, intercept 299° bearing from FHA to D17 FHD, turn LEFT, intercept TRA R-073 inbound to TRA.						

CHANGES: ROMIR SIDs withdrawn; TRA SIDs established.

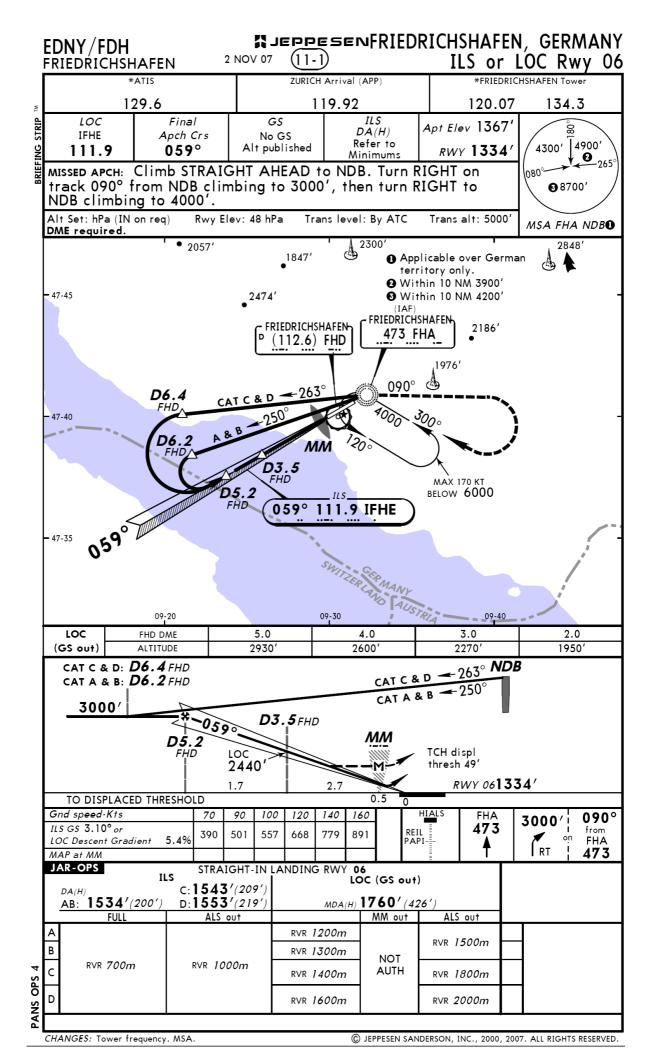
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NOT TO SCALE



CHANGES: Tower frequency.

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2. ARRIVAL

2.3. CAT II/III OPERATIONS

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

2.4. TAXI PROCEDURES

After landing RWY 23, ACFT with destination South Apron shall clear RWY via TWYs D or E unless otherwise instructed by Tower.

Upon request from Tower or Ground change over to GENEVA Apron. ACFT shall taxi independently to the parking stands as instructed by GENEVA Apron.

In certain cases, Follow-me cars will be available.

2.5. OTHER INFORMATION

2.5.1. IFR APPROACH

ACFT type must be reported at first contact with GENEVA Arrival; indication of wake turbulence category is not necessary.

LSGG/GVA GENEVA

25 MAY 07

% JEPPESEN 7 (10-1P4)

GENEVA, SWITZERLAND

Eff 7 Jun AIRPORT BRIEFING

3. DEPARTURE

3.1. START-UP & PUSH-BACK PROCEDURES

If an ATC departure slot has been allocated to a pilot, he is allowed to start engines not before 15 minutes prior to the slot. Exceptions can only be granted by ATC. ACFT type must be reported with start-up clearance; indication of wake turbulence category is not necessarry.

North Apron:

When fully ready for start-up, pilot shall indicate the parking position and request ATC clearance, start-up and taxi clearance from GENEVA Ground. South Apron:

When fully ready for start-up, pilot shall indicate the parking position and request ATC clearance from GENEVA Ground.

Once ATC clearance received from GENEVA Ground, request start-up (push-back if needed) and taxi clearance from GENEVA Apron.

All ACFT operator must ensure that push-back equipment is available for their ACFT. Request push-back clearance from GENEVA Apron.

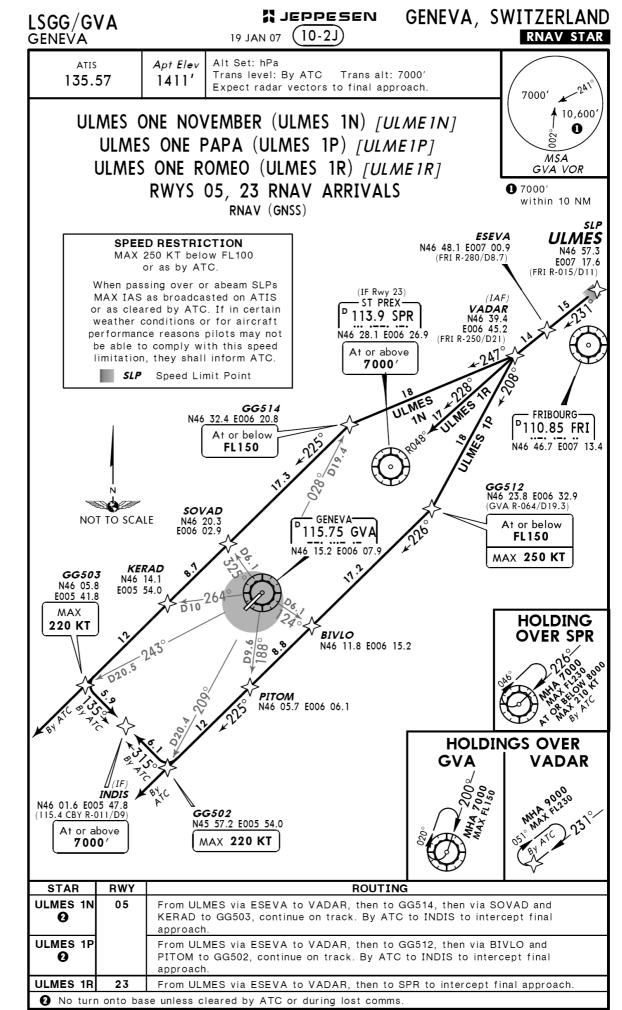
For the towing or push-back of an operating ACFT a general authorization only will be given to the cockpit crew. Detailed instructions will be transmitted directly to the driver.

In any case, engine start-up shall be completed, when push-back procedure is ended. In any case, the ACFT rotating beacon shall be operated during the push-back procedure.

If security required, Follow-me cars will be escort ACFT during the push-back procedure.

CHANGES: Chart reindexed.

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CHANGES: Routing to final; chart reindexed.

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CHANGES: None.

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GENEVA

119.52

13 APR 07 (10-3G1)

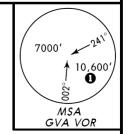
Trans level: By ATC Trans alt: 7000 Apt Elev Departure (R) 1411'

1. Contact GENEVA Departure when instructed. 2. SIDs are also minimum noise routings. Strict adherence within the limits of aircraft performance is mandatory. 3. To expedite traffic, expect line-up clearances at intersections unless operations require full runway length.

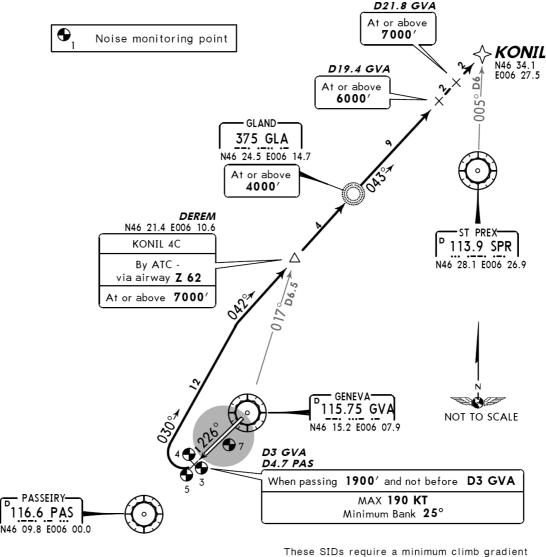
KONIL FOUR CHARLIE (KONIL 4C) [KONI4C] KONIL TWO DELTA (KONIL 2D) [KONI2D] **RWY 23 DEPARTURES**

NOT AVAILABLE FOR JET AIRCRAFT WITH NOISE CLASSIFICATION I, II & III

FOR CLASSIFICATION REFER TO 10-1P PAGES FOR ROUTE CONTINUATION AFTER KONIL REFER TO CHART 10-3N



1 7000' within 10 NM



of

431' per NM (7.1%) up to 4600' If unable to comply advise ATC

EXPECT close-in obstacles, trees and buildings right and left of runway up to 184' above DER elevation

Gnd speed-KT 75 100 150 200 250 300 539 719 1079 1438 1798 2157 431' per NM

KONIL 4C: Initial climb clearance FL90 KONIL 2D: Initial climb clearance

ROUTING

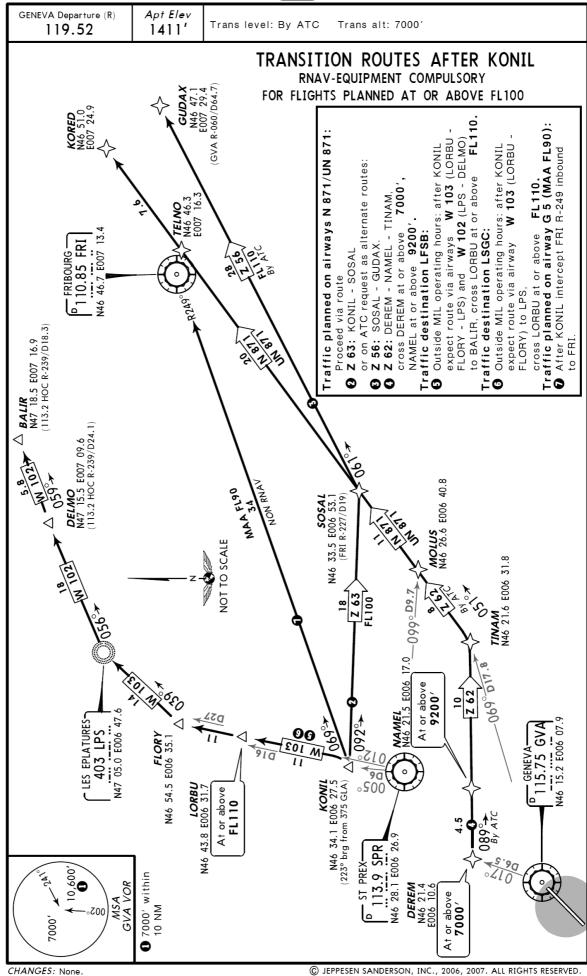
Climb on GVA R-226, when passing 1900' and not before D3 GVA (D4.7 PAS) turn RIGHT, (MAX 190 KT, minimum bank 25°), 030° track, intercept 042° bearing via DEREM to GLA, 043° bearing to KONIL

CHANGES: New chart.

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CHANGES: SID SIROD 3N climb gradient withdrawn

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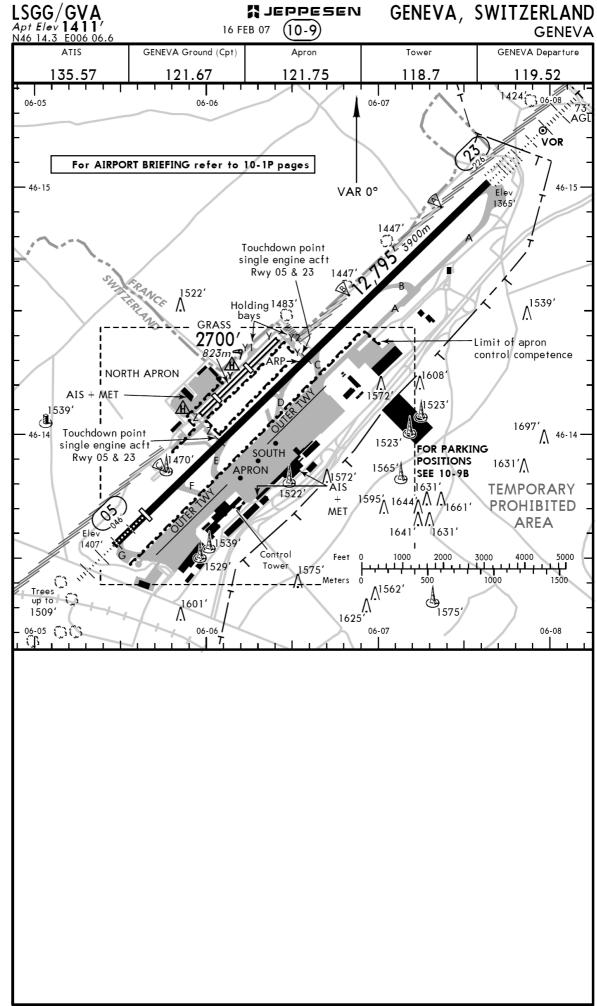


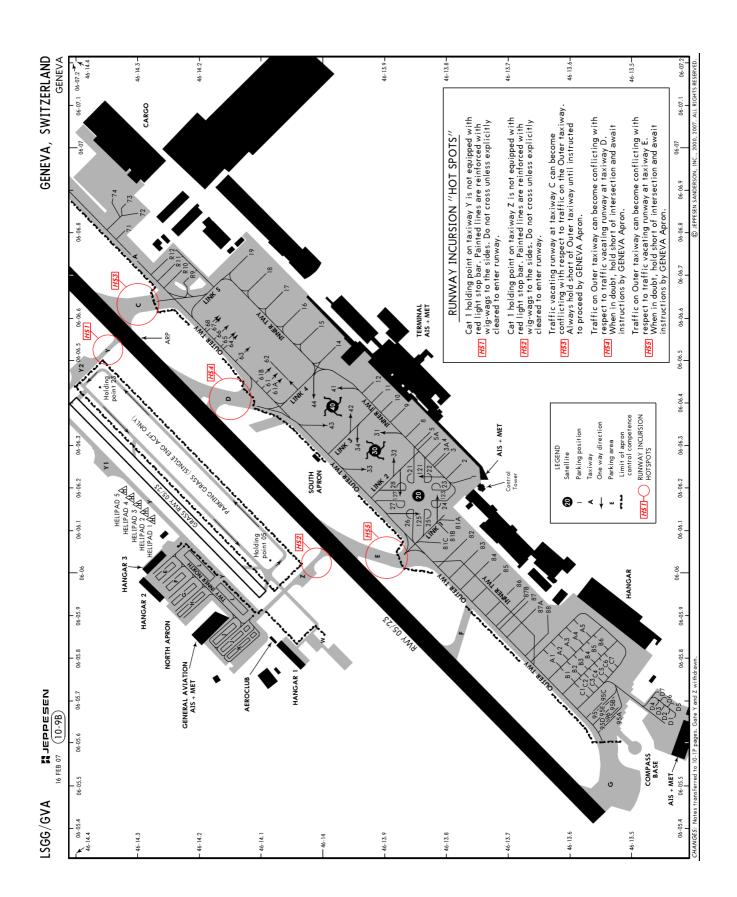
CHANGES: None.

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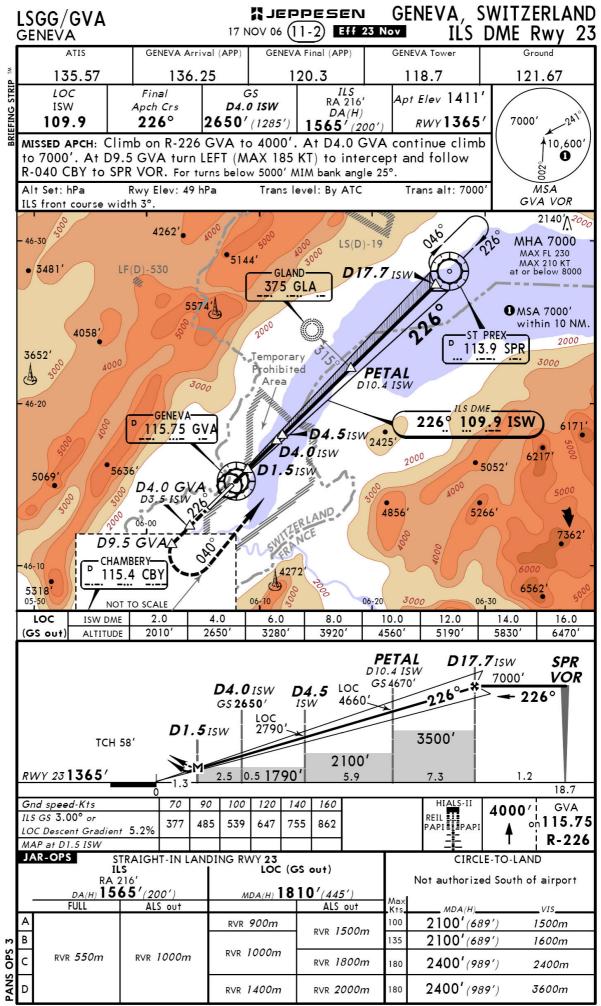
CHANGES: Transitions established & revised.

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GENEVA, SWITZERLAND



CHANGES: Procedure.

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LUXEMBOU	IRG		5 MAY 06 (10-3B) Eff 11 May
LUXEMBOL Approac 118.9	h	Apt Elev 1234'	Trans level: By ATC Trans alt: 4500' 1. Contact LUXEMBOURG Approach immediately after take-off. 2. SIDs are also minimum noise routings. Strict adherence within the limits of aircraft performance is mandatory, except when being radar vectored. If unable to comply advise ATC immediately. 3. Initial and leading turns are calculated upon 250 KT, bank angle 25°.
	GF	POSTENO	QUIN FIVE TANGO (GTQ 5T)
			JIN FIVE UNIFORM (GTQ 5U)
			QUIN FIVE X-RAY (GTQ 5X)
			UIN FIVE YANKEE (GTQ 5Y)
	GIN		S 06, 24 DEPARTURES
		KWIJ	VI .
		D24 NTM N49 43.1 E006 07.2	1 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5°
		×	\sim
	13	54	N49 39.8. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
042	C40		E006 15.7 × D6 LUX N49 41.4 E006 22.8
OAL			LUXEMBOURG
/			(T) 112.25 LUX
1 (N49 38.4 E006 14.8 318 LE
N49	8 LUX 9 34.1	2 > 23	N49 38.4 E006 14.9
E006	6 04.4 	< 7 ^D6 [U.	y GTQ 5T
		118%	MOSET N № N49 32.8 E006 20.7
		80	17 12 NOT TO SCALE
	ı		GTQ 5X
	MBOUR		N49 26.5 CD27 GTQ
1	6 WLU .1 E006	-	X At or above FL80
1147 34.	. 1 2000	03.3	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
			\ E_3
		OTO 54	CDOSTENOUN
	equires	GTQ 5X a minimum	climb gradient GROSTENQUIN 111.25 GTQ
of 316′ per N	M (5.2	%).	% N48 59.2 E006 43.0
I —			TC before take-off.
Gnd speed			150 200 250 300 790 1053 1317 1580
010 por 1	****	333 321	Initial climb clearance 4000'
SID	RWY		ROUTING
GTQ 5T	06		LUX R-060 to LE, turn RIGHT, intercept GTQ R-336 inbound to
GTQ 5U	1	GTQ. Intercept	LUX R-060 to D6 LUX, turn LEFT, intercept LUX R-020 inbound,
GTQ 5X	24		GTQ R-336 inbound to GTQ. LUX R-238 to D6 LUX, turn LEFT, intercept 118° bearing from
GIQSX	24		LUX R-238 to Do LUX, turn LEFT, intercept 118° bearing from n RIGHT, intercept GTQ R-336 inbound to GTQ.

WLU, turn RIGHT, intercept GTQ R-336 inbound to GTQ.

to D24 NTM, turn RIGHT, intercept GTQ R-336 inbound to GTQ

Intercept LUX R-238 to D8 LUX, turn RIGHT, intercept NTM R-222 inbound

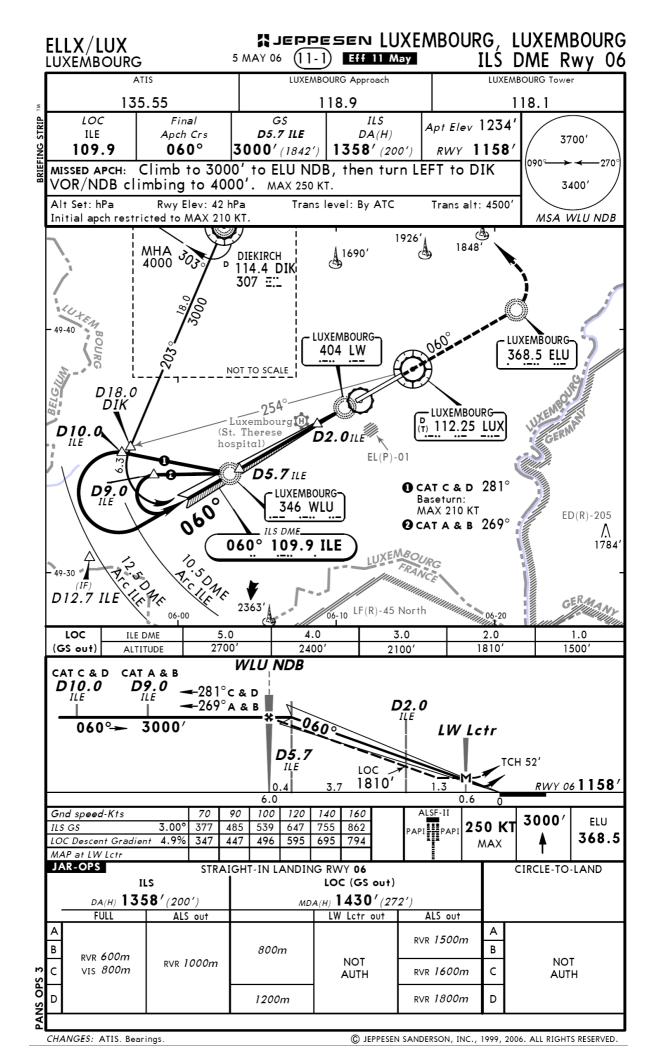
CHANGES: SIDs GTQ 4T, 4U, 4X, 4Y renumbered 5T, 5U, 5X, 5Y.

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GTQ 5Y

CHANGES: ATIS. Var. Rwy bearings. Usable lengths.

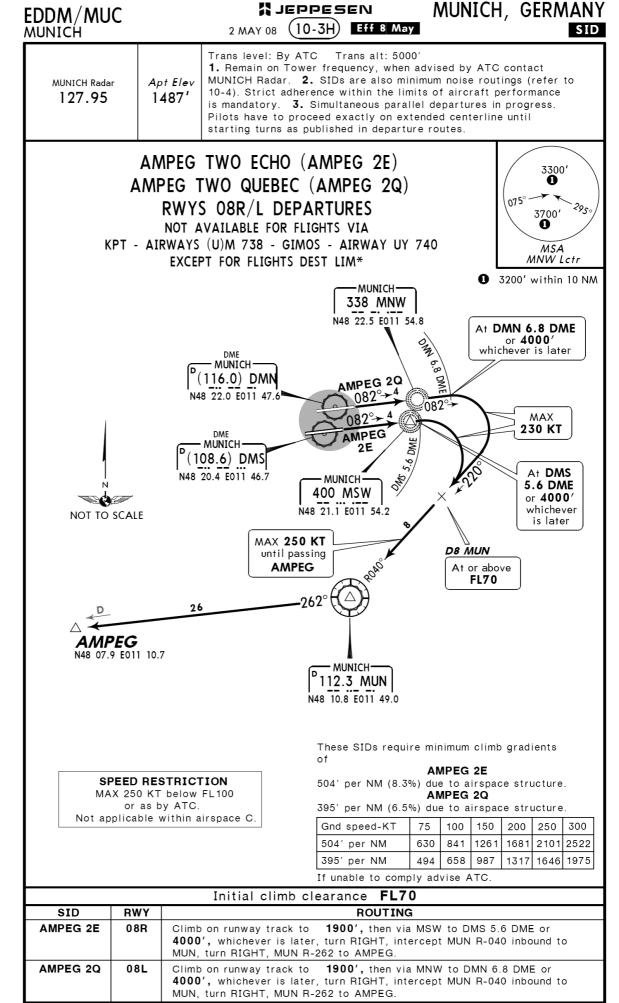
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MALEPPESEN

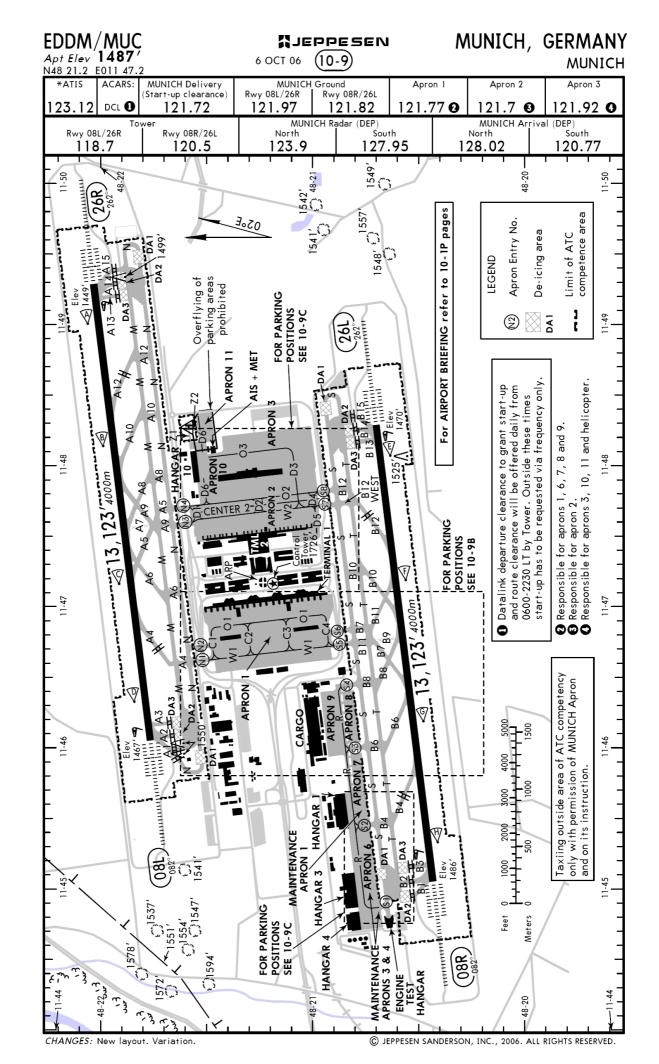
CHANGES: MSA.

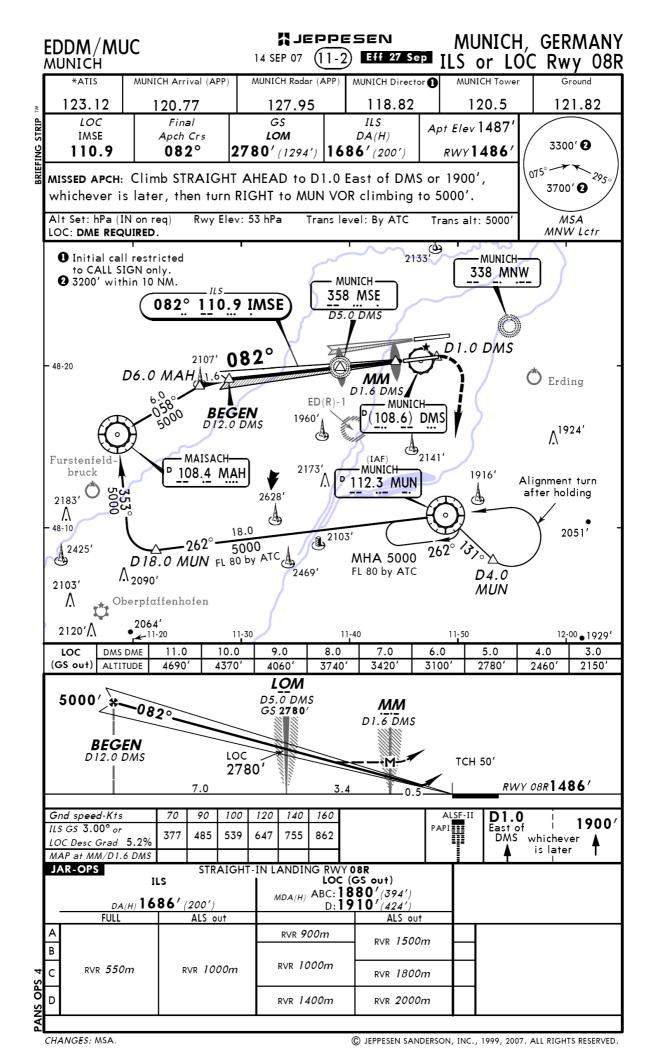
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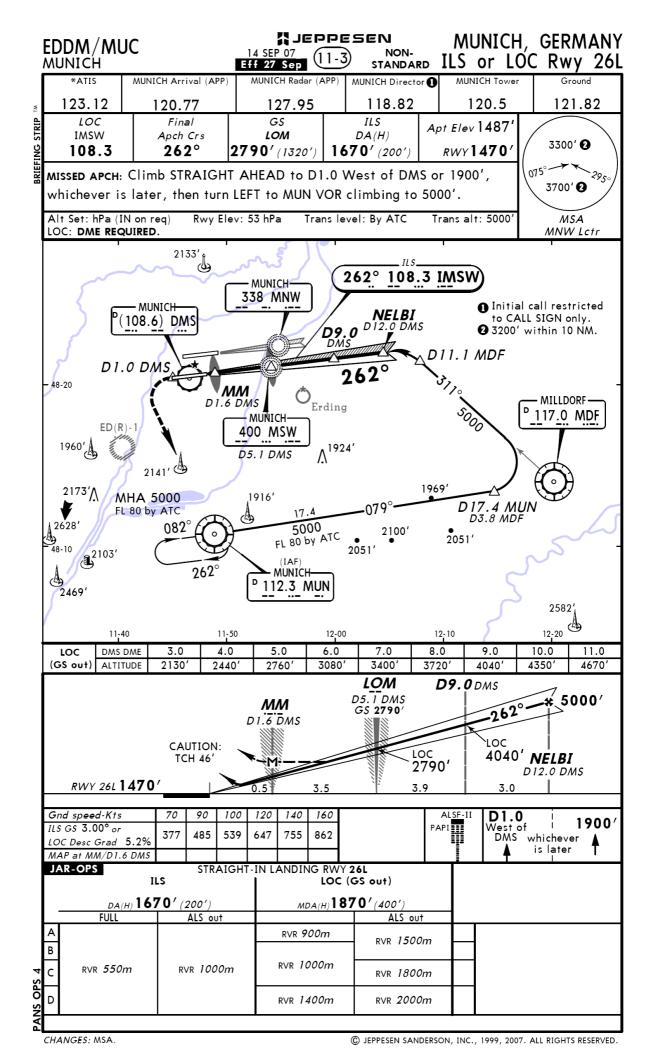


CHANGES: None.

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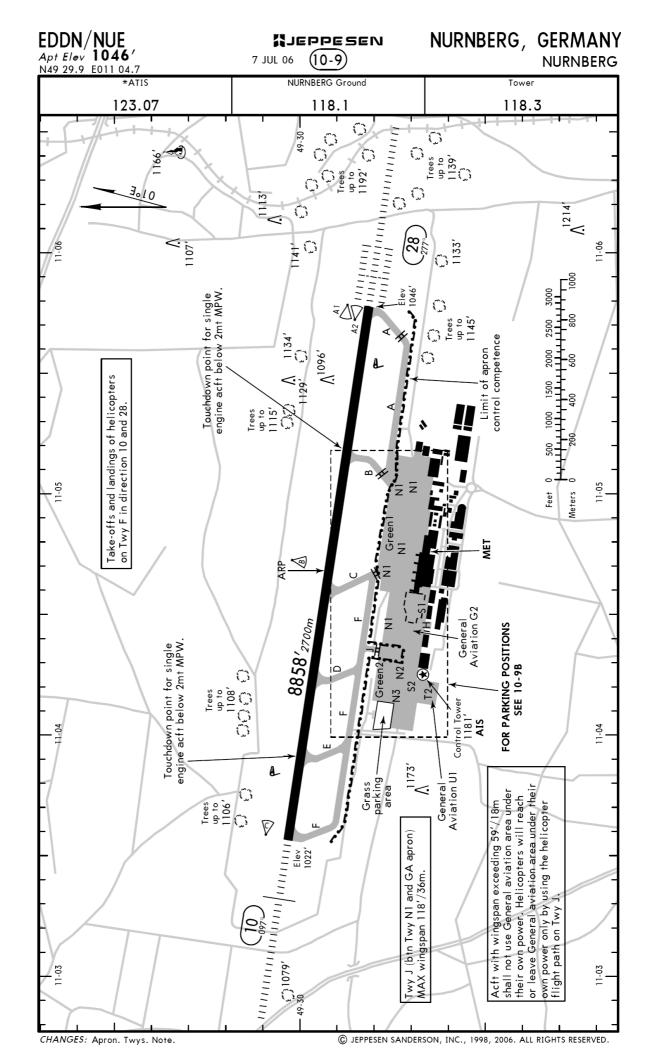
 \triangleleft

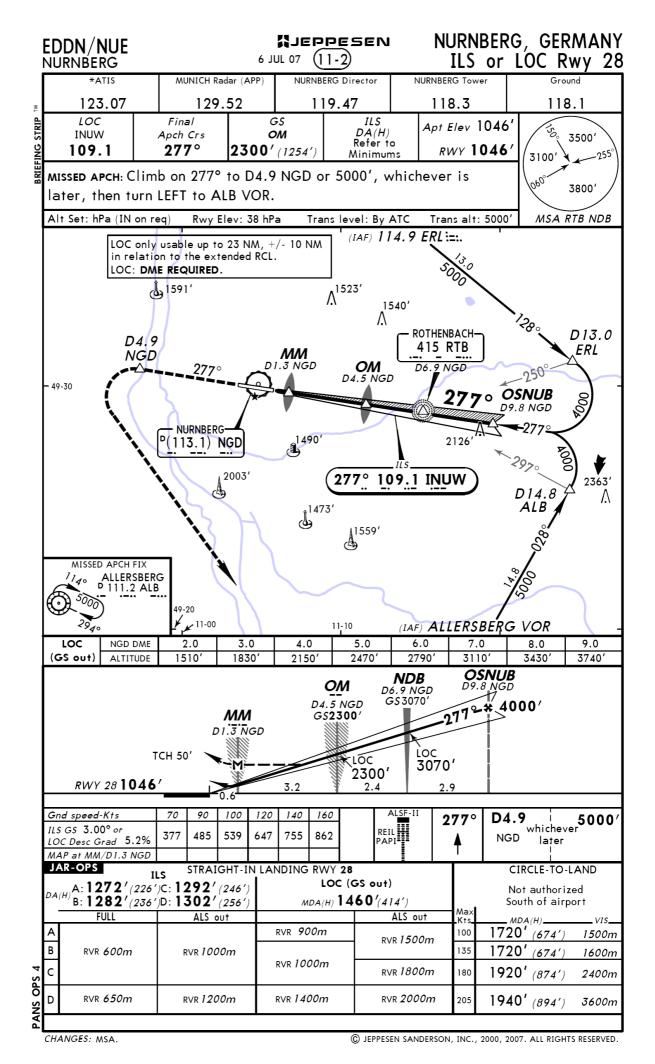
3100,

MJEPPESEN

CHANGES: Transition ALB 28 replaced by UPALA 28; holding over LETKU; MSA.

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10-2 Eff 14 Apr

8 APR 05 Alt Set: hPa *ATIS Apt Elev Trans level: By ATC Trans alt: 5000' 123.77 1306' Procedures above MSA, therefore approved for B-RNAV operations, except SITOR holding pattern to be flown conventionally. 4800′ within 10 NM 5100′ within 10 NM KEMPTEN TWO HOTEL (KPT 2H) MSA FHA NDB LAGOS TWO HOTEL (LAGOS 2H) [LAGO2H] ZURICH EAST TWO HOTEL (ZUE 2H) 3900, **ARRIVALS** SPEEDE MAX 250 KT BELOW FL100 00 NOT TO SCALE 109.6 KPT 7 44.7 E010 473 FHA 40.9 E009 32.3 FRIEDRICHSHAFEN 360 KPT 2H AGOS 2H to AMRIS, 278° track to SITOR. LOC IAL intercept track, 098° 30.6 R-249 ZUE R-105 to ZR685, to SITOR. Intercept KPT **ZR685 D17 IAL** E009 08.2 N47 31.9 KPT 2H AGOS 2H

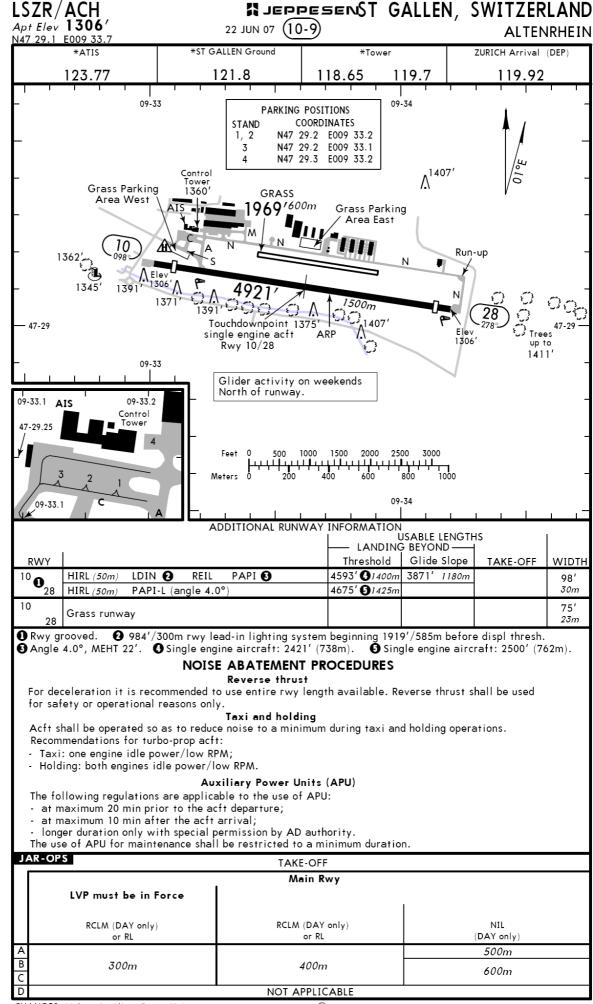
CHANGES: Restrictions.

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IJEPPESEN ST GALLEN, SWITZERLAND

CHANGES: TRA SIDs established; SITOR SIDs transferred.

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CHANGES: Lights. Auxiliary Power Units.

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CHANGES: Arrivals revised.

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CHANGES: Communications. Notes transferred to 10-1P pages.

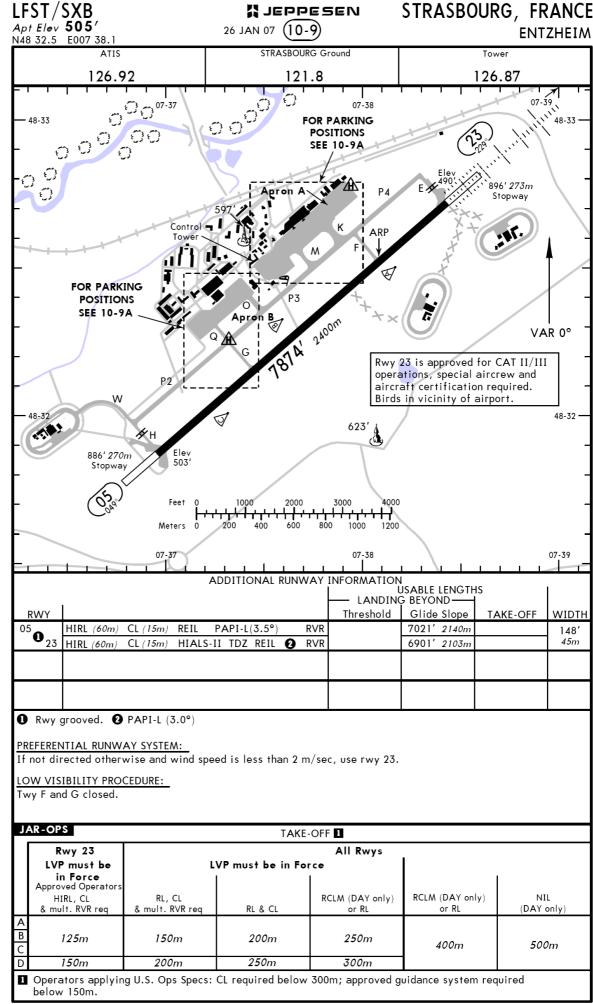
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CHANGES: Chart references.

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CHANGES: MSA.

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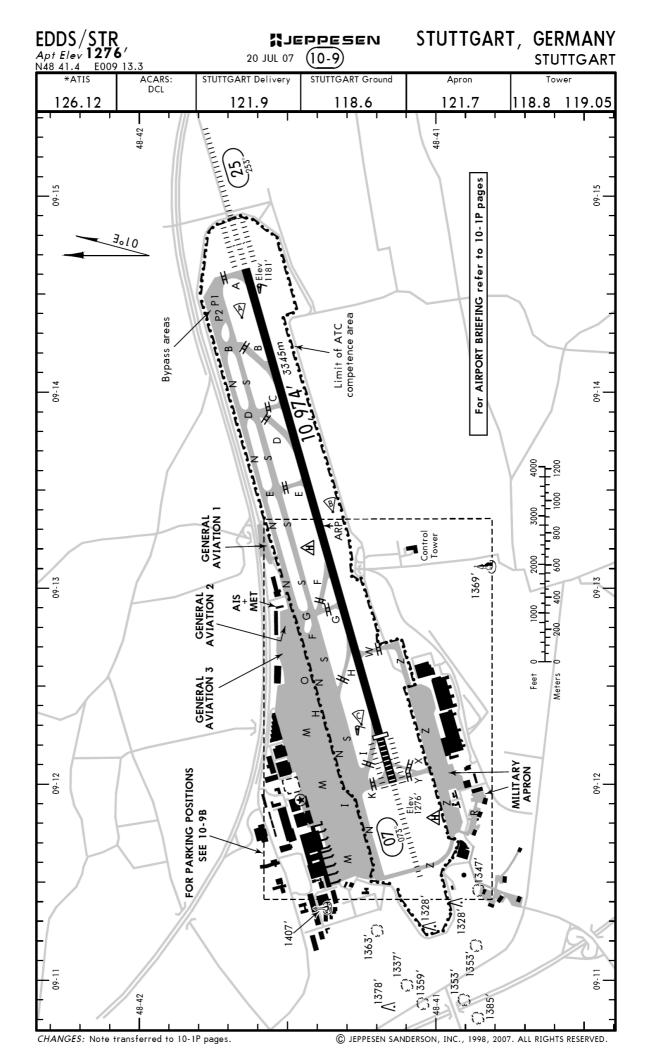


CHANGES: LVP.

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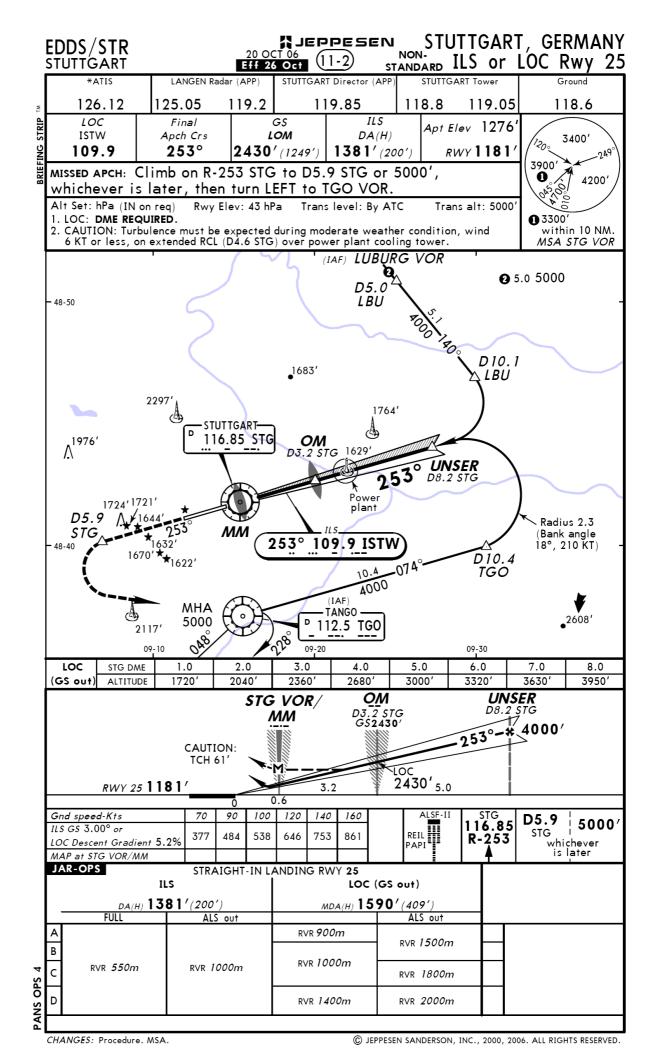
CHANGES: Note. Stands.

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CHANGES: Procedure. MSA.

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TRANSITION	ROUTING
BALAD 2L	BALAD (8000'+) - WW772 (6000'+) - WW890 (6000'+) - WW771 (6000'+) -
	WW884 (6000'+) - WW770 (5000'+) - WW882 (5000'+) - WW880 (5000'+) -
	WW819 (5000'+) - WW818 (5000'+).
PESAT 2L	PESAT (6000'+) - WW890 (6000'+) - WW771 (6000'+) - WW884 (6000'+) -
	WW770 (5000'+) - WW882 (5000'+) - WW880 (5000'+) - WW819 (5000'+) -
	WW818 (5000'+).

CHANGES: Clearance phraseology.

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CHWECHAT

17 AUG 07 (10-3M)

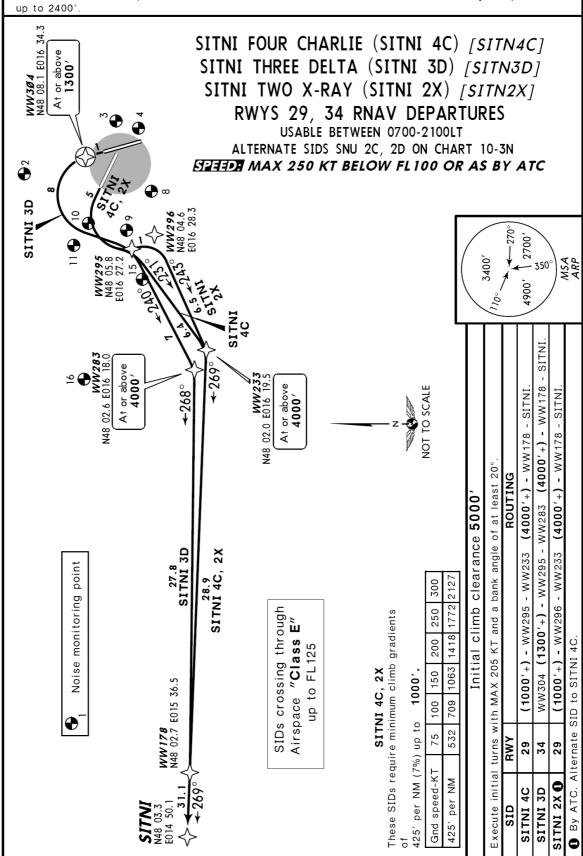
Eff 30 Aug

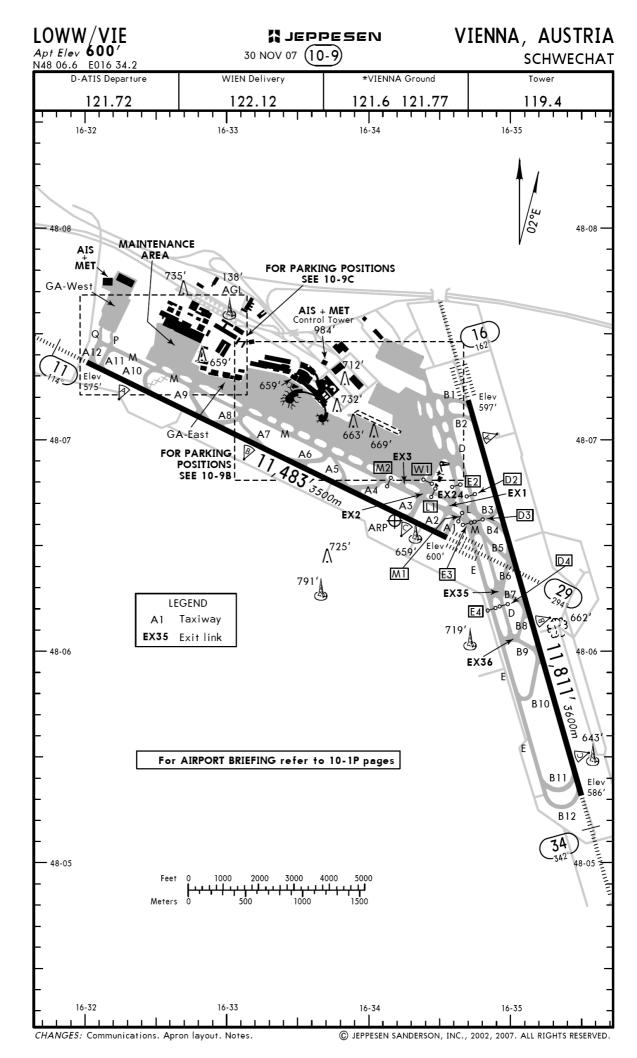
VIENNA Radar (APP)

128.2

Apt Elev
Trans level: By ATC Trans alt: 5000'
When instructed by Tower contact VIENNA Radar

1. Flight tracks are recorded at Vienna airport and aircraft noise is monitored in all relevant populated areas around the airport. Climb with the optimum noise abatement take-off profile appropriate for the particular type of aircraft. Adhere to noise abatement procedure as strictly as possible. 2. To expedite traffic ATC may request aircraft to start the initial turn VISUALLY as soon as practicable. In this case terrain clearance has to be assured by the pilot up to 2400.





Magnetic Service In the service of the service o

3. DEPARTURE

3.2. START-UP & PUSH-BACK PROCEDURES

3.2.1. CLEARANCE DELIVERY & START-UP PROCEDURES

When a flight is subject to an ATC slot, the pilot shall keep listening watch on ZURICH Delivery 20 minutes prior to beginning of the slot.

ACFT type must be reported with start-up clearance; indication of wake turbulence category is not necessary.

Pilots receive start-up/ATC clearance upon request from ZURICH Delivery if ACFT is ready to push-back/start-up at the latest 10 min prior CTOT.

During winter operation, special DEP regulation active in case of moderate to heavy snowfall. Info on ATIS.

When ready request start-up clearance irrespective of ATC slot.

3.2.2. PUSH-BACK PROCEDURES

3.2.2.1. GENERAL

For the towing or push-back a general authorization only will be given to the cockpit crew. Detailed instructions will be transmitted directly by Zurich Apron on the tow vehicle's frequency to the driver after the clearance has been issued to the cockpit crew.

3.2.2.2. ACFT WITH AUXILIARY POWER UNIT

- Request ATC clearance with ZURICH Delivery.
- Stand-by for push-back/tow clearance with ZURICH Apron.
- Push-back/tow manoeuvre.
- Request engine start-up with ZURICH Apron.
- Request taxi clearance with ZURICH Apron.

3.2.2.3 ACFT WITHOUT AUXILIARY POWER UNIT

- Request ATC clearance with ZURICH Delivery.
- Stand-by for engine start-up with ZURICH Apron.
- Request push-back/tow clearance with ZURICH Apron.
- Push-back/tow manoeuvre.
- Request taxi clearance with ZURICH Apron.

3.3. SPEED RESTRICTIONS

MAX 250 KT below FL 100.

3.4. NOISE ABATEMENT

3.4.1. **GENERAL**

The following procedures are designed to avoid excessive ACFT noise over populated areas in the vicinity of ZURICH APT. Deviations from published routes and procedures are only permitted for safety reasons. ACFT operators provable unable to comply shall submit alternative procedures for approval to the APT Authority. Jet ACFT not licensed in accordance with ICAO Annex 16, Vol I, chapter 3 are not permitted.

Deviation from SIDs as depicted on Zurich SID charts is only possible at altitudes at or above 5000'. Between 2201-0600LT deviation from SIDs leading into airway A9 is only possible at or above FL80 with permission of ATC.

As far as possible a rolling take-off is to be executed. Engine power shall be increased only after entering take-off RWY.

After lift-off climb with maximum climb gradient considering flight safety.

Fan jet engined ACFT

Take-off to 2900' Take-off-power
Take-off flaps

Climb at $V_2 + 10$ KT (or as limited by body angle)

At 2900' Reduce thrust to not less than climb power

2900'-4500' Climb at $V_2 + 10$ KT (or as limited by body angle) At 4500' Normal speed and en-route climb configuration.

CHANGES: None.

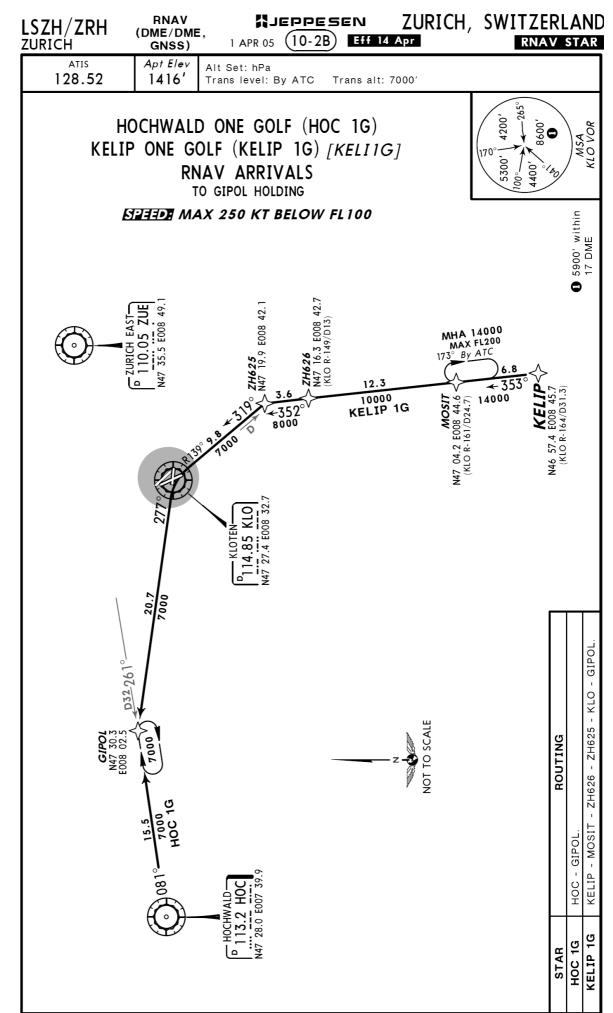
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CHANGES: Transition availability.

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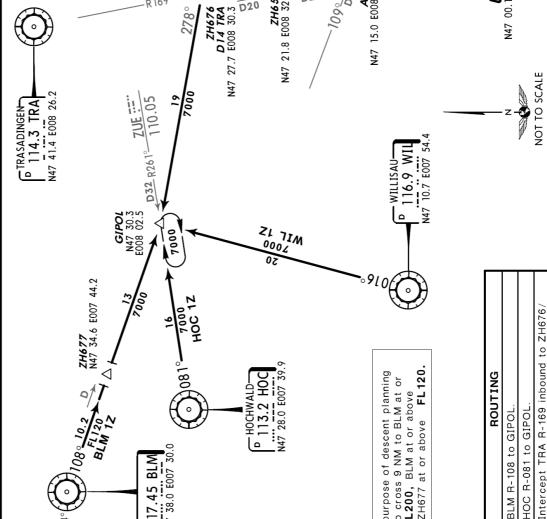
CHANGES: New chart.

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CHANGES: RNAV STARs completely revised; chart reindexed.

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CHANGES: STARs completely revised; chart reindexed.

В .45

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descent planning

For the purpose of

0

expect to cross 9 NM to BLM at or above **FL200**, BLM at or above

above F FL150,

D14 TRA, intercept KLO R-278 to GIPOL

R-016 to GIPOL

WIL

WIL

HOC R-081 to GIPOL BLM R-108 to GIPOL

BLM 12 🖸

STAR

URNAS 1Z HOC 1Z

ROUTING

◁

JEPPESEN

CHANGES: None.

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ZURICH, SWITZERLAND

CHANGES: None.

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16 DEC 05 (10-3H)

4200 5300 100∘. 4400' 8600' 0

MSA

KLO VOR

ZURICH Departure 125.95

Apt Elev 1416'

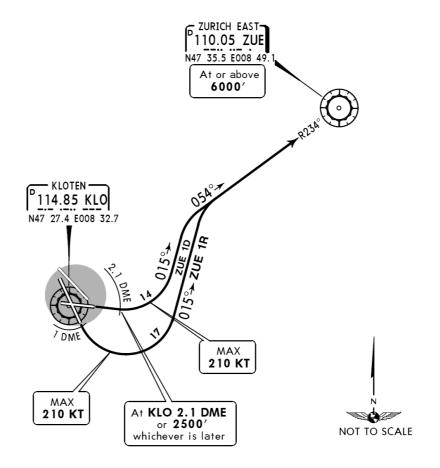
Trans level: By ATC Trans alt: 7000' 1. When instructed contact ZURICH Departure. 2. RWY 16 - VISUAL CONDITIONS FOR TAKE-OFF: Ceiling 1500' - VIS 5000m. 3. SIDs are also noise abatement procedures. Strict adherence within the limits of aircraft performance is mandatory. 4. EXPECT close-in obstacles.

ZURICH EAST ONE DELTA (ZUE 1D) ZURICH EAST ONE ROMEO (ZUE 1R) RWYS 10, 16 DEPARTURES

● 5900' within 17 DME

FOR ROUTE CONTINUATION AFTER ZUE REFER TO CHARTS 10-3W & 10-3X1

MARTIN MAX 250 KT BELOW FL100



These SIDs require minimum climb gradients

ZUE 1D: 395' per NM (6.5%) up to 2500' **ZUE 1R:** 389' per NM (6.4%) up to 2200'

Gnd speed-KT					250	
395' per NM	494	658	987	1317	1646	1975
389' per NM	486	648	972	1296	1620	1944

Initial climb clearance 5000'						
SID	RWY	ROUTING				
ZUE 1D	10	Straight ahead to KLO 2.1 DME or 2500', whichever is later, turn LEFT, 015° track, intercept ZUE R-234 inbound to ZUE.				
ZUE 1R	16	Straight ahead, if in VMC turn LEFT as soon as possible, but not before KLO 1 DME, maintain visual ground contact up to 2800', or if in IMC turn LEFT (MAX 210 KT) at 2400' or KLO 2.4 DME, whichever is earlier. Earliest turning point KLO 1 DME, 015° track, intercept ZUE R-234 inbound to ZUE.				

CHANGES: SID ZUE 1R text description.

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413' per NM (6.8%) up to **2500'.**

Gnd speed-KT	75	100	150	200	250	300
413' per NM	516	689	1033	1377	1722	2066

Initial climb clearance 5000'

ROUTING

Straight ahead to KLO 2.3 DME, turn LEFT, intercept KLO R-255, at ZH552/D6.5 KLO or when instructed by ATC turn LEFT, intercept ZUE R-234 inbound to ZUE.

395' per NM (6.5%) up to **2500'.**

 Gnd speed-KT
 75
 100
 150
 200
 250
 300

 395' per NM
 494
 658
 987
 1317
 1646
 1975

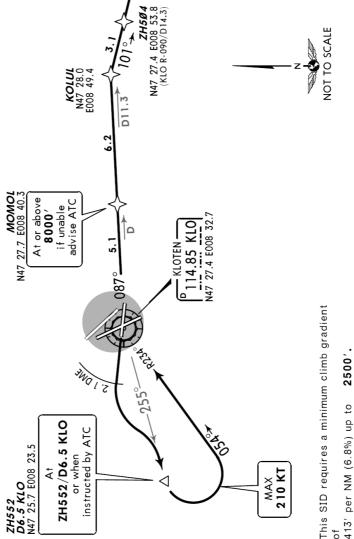
Initial climb clearance 5000'

ROUTING

Climb straight ahead to KLO 2.1 DME or 2500', whichever is later, turn LEFT, intercept KLO R-087 via ZH502 to KOLUL - ZH504 (5000'+) - ZH525 (7000'+) - DEGES (8000'+).

CHANGES: DEGES 1E estbld; DEGES 2F, 1H, 2L & 1N transferred.

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◁

instructed by ATC

or when

ZH552 D6.5 KLO N47 25.7 E008 23.5

CHANGES: Chart reindexed.

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MAX 210 KT

turn LEFT, intercept KLO R-255, at ZH552/ ATC turn LEFT, intercept KLO R-234 inbound to then via ZH504 and ZH525 to DEGES.

5000

clearance

climb

Initial

ROUTING

Climb straight ahead to KLO 2.1 DME,

D6.5 KLO or when instructed by KLO, then via MOMOL to KOLUL

2066 300

1722 250

1377 200

1033

689 100

516

Σ

per

150

75

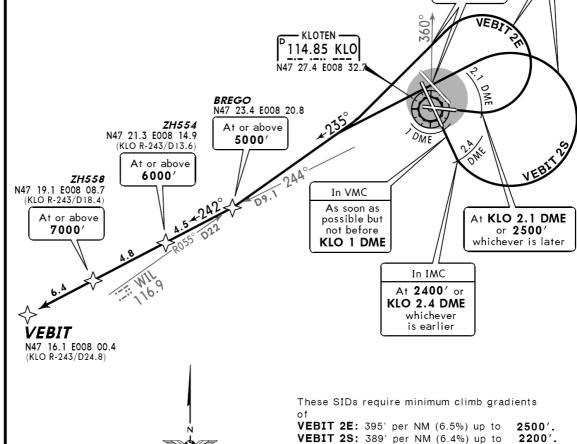
speed-KT

Gnd 413′

9

per NM

413′ of



		Initial climb clearance 5000 '
SID	RWY	ROUTING
VEBIT 2E	10	Climb straight ahead to KLO 2.1 DME or 2500', whichever is later, turn LEFT, intercept WIL R-055 inbound to BREGO, then via ZH554 and ZH558 to VEBIT.
VEBIT 2S	16	Climb straight ahead, - if in VMC turn LEFT as soon as possible, but not before KLO 1 DME, maintain visual ground contact up to 2800', or - if in IMC turn LEFT (MAX 210 KT) at 2400' or KLO 2.4 DME, which- ever is earlier. Earliest turning point KLO 1 DME, intercept WIL R-055 inbound to BREGO, then via ZH554 and ZH558 to VEBIT.

NOT TO SCALE

Gnd speed-KT

395' per NM

389' per NM

CHANGES: New chart.

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100

658

648

75

494

486

150

987

972

200

1317

1296

250

1646

1620

300

1975

1944

16 NOV 07 (10-3T4) Eff 22 Nov

RNAV SID

ZURICH Departure 125.95

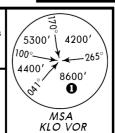
Apt Elev 1416' Trans level: By ATC Trans alt: 7000'

1. When instructed contact ZURICH Departure.

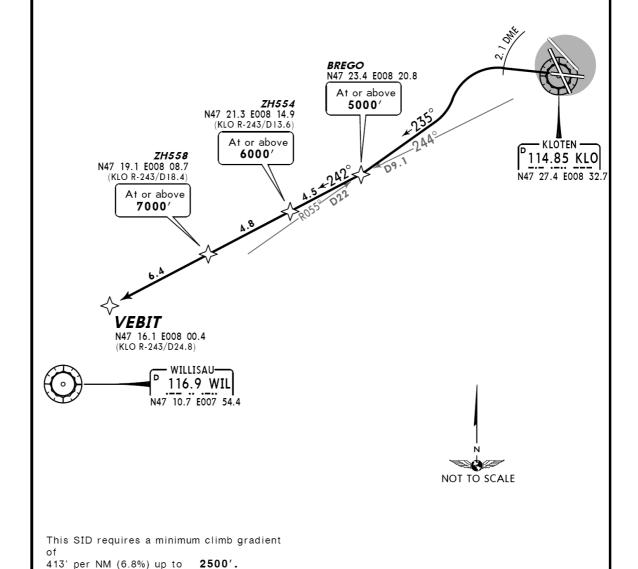
2. SIDs are also noise abatement procedures. Strict adherence within the limits of aircraft performance is mandatory.

VEBIT TWO WHISKEY (VEBIT 2W) [VEBI2W] RWY 28 RNAV DEPARTURE

RNAV (DME/DME OR GNSS)
RNAV APPLICABLE WHEN PASSING BREGO
FOR ROUTE CONTINUATION AFTER VEBIT REFER TO CHART 10-3X2
SELECT MAX 250 KT BELOW FL100



17 DME



CHANGES: New chart.

Gnd speed-KT

413' per NM

75

516

then via ZH554 and ZH558 to VEBIT

100

689

150

1033

200

1377

250

1722

Climb straight ahead to KLO 2.1 DME, turn LEFT, intercept WIL R-055 inbound to BREGO,

300

2066

Initial climb clearance 5000'
ROUTING

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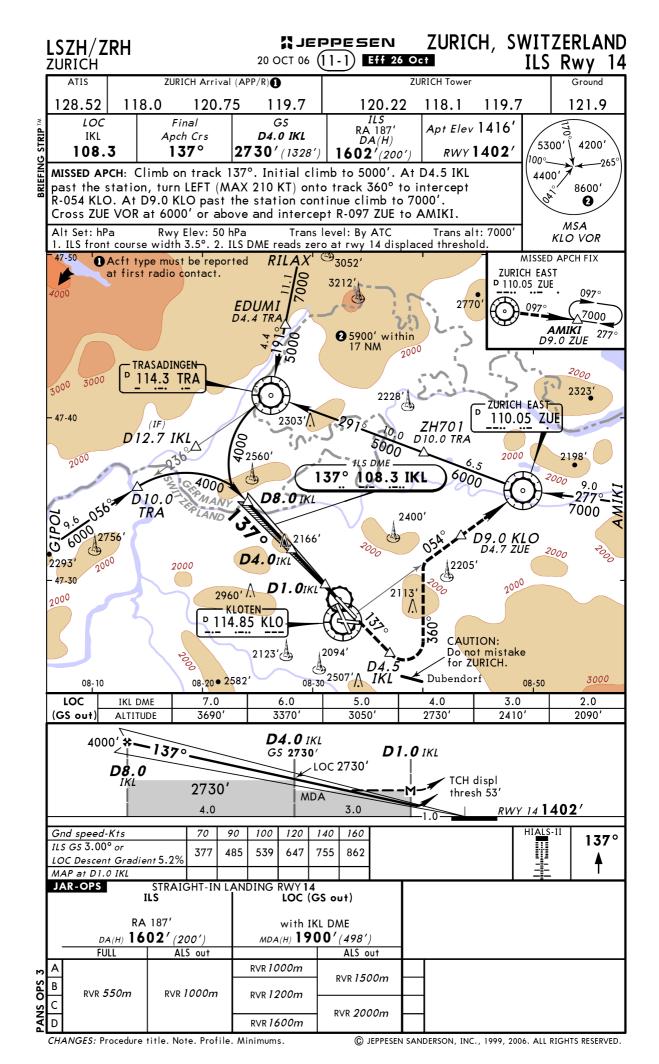
CHANGES: Airway Z 3 revised.

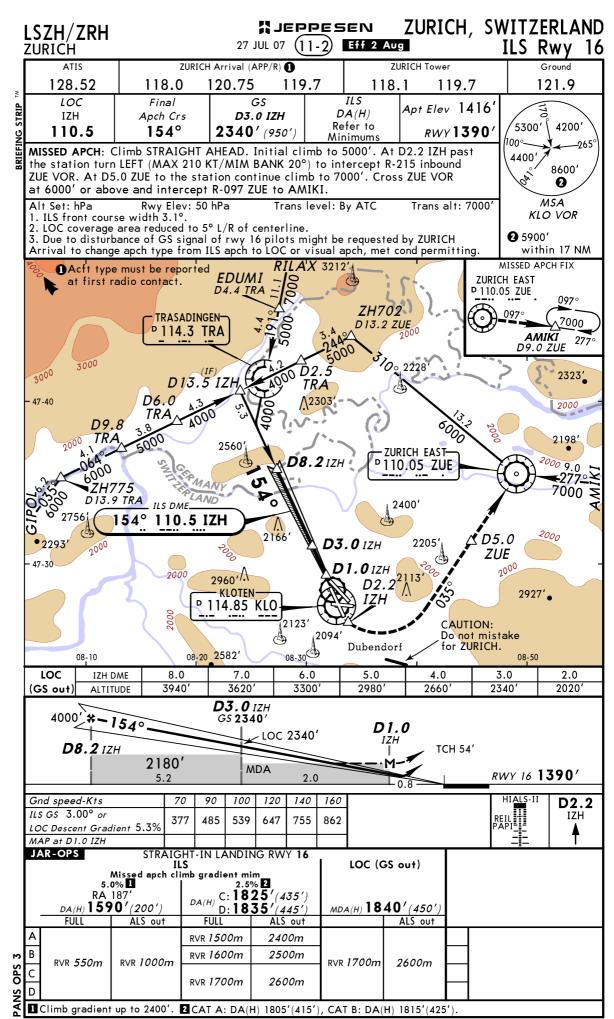
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XJEPPESEN

CHANGES: Airway T 102 redesignated T 103.

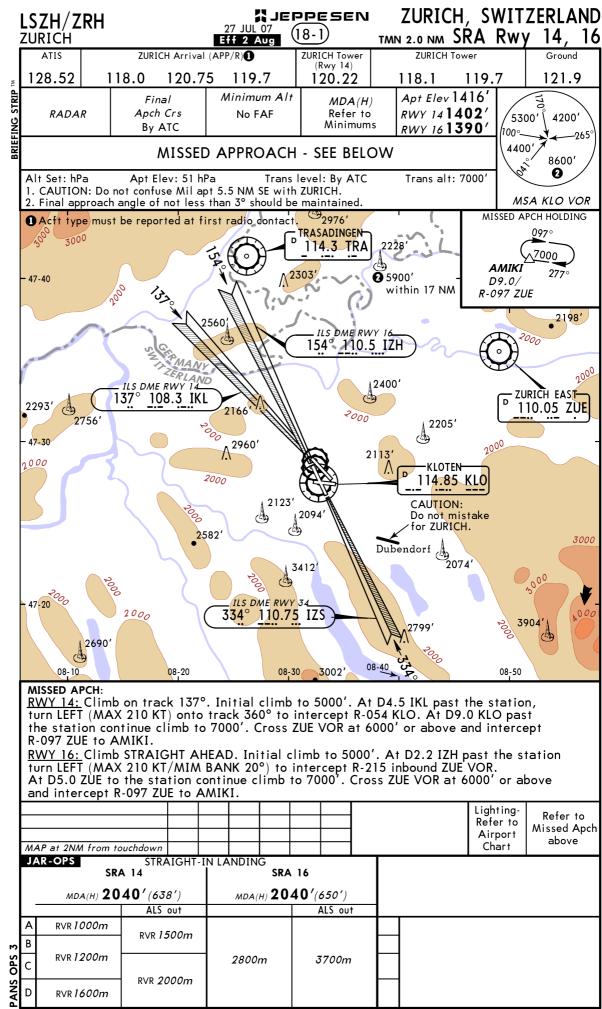
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CHANGES: Procedure. Minimums.

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CHANGES: Missed approach. Minimums.

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