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AIRAC

AIP

**AIRAC AMDT 009
2021**

Effective Date 07 OCT 2021

Publication Date 26 AUG 2021

RMK

Filing instruction: Insert this AIRAC AMDT into AIP before inserting AMDT of same effective date, if issued.

1. Insert the following pages:

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LSZH AD 2 - 43/44	AIRAC 07 OCT 2021
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2. Record entry of amendment on page GEN 0.2

3. This AIP AMDT incorporates information contained in the following publications:

NOTAM: NIL

AIP SUP: NIL

AIC: NIL

4. Following SUP and AIRAC SUP are still in force on effective date:

Checklist SUP: 007 2018, 009 2018

Checklist AIRAC SUP: NIL

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006/2016	12-May-2016	23-Jun-2016	
007/2016	09-Jun-2016	21-Jul-2016	
008/2016	07-Jul-2016	18-Aug-2016	
009/2016	04-Aug-2016	15-Sep-2016	
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003/2017	16-Feb-2017	30-Mar-2017	
004/2017	13-Apr-2017	25-May-2017	
005/2017	08-Jun-2017	20-Jul-2017	
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GEN 0.5 LIST OF HAND AMENDMENTS TO THE AIP

AIP page(s) affected	Amendment text	Introduced by AIP Amendment NR
Zurich AP:		
LSZH AD 2.24.4 - 11	- Delete OBST Number 1 (429.5 m)	AMDT 013 2015
LSZH AD 2.24.4 - 5	- Delete Declared Distances RWY 14: TORA (3300m), TODA (3360m) and ASDA (3300m) AMD all to "not usable"	AIRAC AMDT 001 2019
LSZH all Instrument Approach Charts LSZH AD 2.24.10.xxx	Holding INBD Track should read: Holding GIPOL: INBD 077° (080.3°T) Holding RILAX: INBD 188° (191.3°T) Holding AMIKI: INBD 274° (277.1°T)	AIRAC AMDT 009 2021
Genève AP:		
LSGG AD 2.24.4 - 3	- New OBST Number 1a pole (435.5 m), 46 13 29 N 006 05 22 E	AIRAC AMDT 008 2018
LSGG AD 2.24.4 - 3	- Delete OBST Number 1 Localizer (435 m), 46 13 29 N 006 05 22 E	AMDT 006 2021

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ENR 3.6 EN-ROUTE HOLDING

HLDG ID / FIX / WPT Coordinates	INBD TR (°MAG)	Direction of PTN	MAX IAS (KT)	MNM-MAX HLDG LVL FL / FT (MSL)	TIME (MIN) or DIST OUBD	Controlling unit and frequency
1	2	2	4	5	6	7
BALIR 47 18 30 N / 007 16 53 E	319	Right	210	7000 ft - FL 160	1	APP Bâle
BERSU 47 08 08 N / 007 56 29 E	049	Right	230	FL 100 - FL 200	1	ACC Zurich
GUGSA 46 30 23 N / 009 46 00 E	075	Right	240	16000 ft - FL190	1.5	ACC Zurich
MOSIT 47 04 09 N / 008 44 38 E	351	Right	230	14000 ft - FL 200	1	ACC Zurich
PELAD 46 35 56 N / 009 43 33 E	116	Right	240	16000 ft - FL 245	1	ACC Zurich
RAVED 47 43 45 N / 009 40 10 E	266	Left	230	FL 120 - FL 310	1	ACC Zurich
RONAG 46 46 46 N / 010 15 32 E	146	Left	210	16000 ft - FL 190	1	ACC Zurich
RONIX 47 13 34.5 N / 008 27 25.2 E	216	Left	180	7000 ft - FL 90	1	ACC Zurich

HLDG RONAG is located partially outside controlled airspace

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6. IFR/VFR mixed operations

FLT crews have to expect VFR DEPs and ARRAs on any RWY irrespective of the current RWY configuration BCST on ATIS. The following situations require special attention:

1. IFR traffic waiting for DEP from RWY 28 on TWY B or intermediate HLDG PSN A2, P1, P2 or Y1 and VFR ACFT LDG on RWY 28.
2. IFR traffic waiting for DEP from RWY 10 on TWY B or L and VFR ACFT LDG on RWY 10.
3. IFR traffic departing or LDG on RWY 28 or 10 and VFR ACFT departing from RWY 16 INT E6 south of RWY 28/10.

7. iStream Procedure

7.1 Goal

iStream is a process concerning all IFR inbound flights to LSZH between 0500 and 0600 (0400 and 0500). It aims at an early pre-planning of an optimized approach sequence in order to:

- Prevent holding delay due to night curfew regulations
- Reduce fuel consumption

7.2 Participation

The participation to the process is mandatory for flights expected to arrive between 0500 and 0600 (0400 and 0500) and having a flying time of 5 hours or more, and is recommended for all other flights arriving during this period.

7.3 Process

7.3.1 Strategic Phase

Skyguide will generate a strategic sequence for all flights with a scheduled time of arrival (STA) between 0500 and 0600 (0400 and 0500) and will provide a strategic planning time frame for each flight, within which the landing time can be expected. The Operational Flight Plan shall take into account this Strategic Landing Time.

7.3.2 Tactical Phase

Aircraft operators of flights expected to arrive between 0500 and 0600 (0400 and 0500) shall provide the estimated time over (ETO) of the last waypoint of the FPL before 0030 (2330). Skyguide will generate a provisional approach sequence and provide target times over (TTO) for all flights to the aircraft operators before 0100 (0000). The aircraft operators shall forward the information to the flight crews for the purpose of adapting their flight speed.

7.4 Further information

Aircraft operators planning flights with an arrival time during the above mentioned time frame shall contact istream.support@skyguide.ch for information and guidance on the process.

8. Suspension of VEBIT 4S SIDs during main arrival peak hours

Due to capacity constraints, the following restrictions apply daily between 0930 and 1045 (0830 and 0945):

For DEP RWY 16, VEBIT 4S SID is suspended. Aircraft requiring VEBIT 4S SID shall be ready and report to CLR DEL on 121.930 MHz before 0930 (0830) in order to depart from RWY 16 during the restricted time frame.

If ready later, earliest start-up will be issued at 1045 (0945). Tactical re-routings after departure will not be granted and non-standard flight plans are not accepted.

LSZH AD 2.21 NOISE ABATEMENT PROCEDURES

1. General

1.1 The following regulations are in force to avoid excessive aircraft noise in the populated areas in the vicinity of Zurich AP

Jet ACFT not licensed in accordance with ICAO Annex 16, Volume 1, Chapter 3 are not permitted.

DEV from published routes and procedures are only permitted if the safety of the ACFT is affected; subject to Art. 27 of the ordinance concerning the aviation infrastructure (OAI).

ACFT operators that are unable to comply with these regulations and procedures shall submit alternative procedures to Zurich Airport Authority.

1.2 Auxiliary Power Units (APU)

1.2.1 All stands

Primarily, the stationary airport pneumatic and electrical service units shall be used. Alternatively, mobile units shall be used.

1.2.2 The APU shall only be started:

- to start engine, but no earlier than 10 MIN before the target off-block time (TOBT).
- if the stationary or mobile units are not available or unserviceable for specific aircraft types. In that case, the APU shall be started no earlier than:
 - 50 minutes before off-block time for aircraft Codes B and C
 - 70 minutes before off-block time for aircraft Codes D, E and F
 - 30 minutes before off-block time for GA sector 1
 and kept in operation no more than 20 minutes after the on-block time.
- if maintenance work on the ACFT makes it unavoidable; in that case the service period shall be kept as short as possible.
Exceptions have to be permitted by the Airport Authority.

2. Approaches

2.1 ILS/GLS approach:

The descent shall be arranged so as to maintain ENR configuration for as long as possible taking safety and ATC requirements into consideration. Speed reduction and extension of LDG gear and high lift devices are to be planned in such a way that the LDG configuration is established and the correct APP speed is reached shortly prior to or at 4 miles final.

2.2 Other approaches:

Visual circuits shall be flown at 3000 ft AMSL or HYR whenever visibility and BASE permits. Overflying of densely populated areas shall be avoided as far as possible.

2.3 German ordinance

2.3.1 Application:

MON - FRI: 0000 - 0600 and 2000 - 2359 (2300 - 0500 and 1900 - 2259)

SAT, SUN and German public HOL: 0000 - 0800 and 1900 - 2359 (2300 - 0700 and 1800 - 2259)

Remark: LDGs before 0500 (0400) are not allowed.

German Public Holidays	2021	2022	2023	2024	2025
New Year	JAN 01	JAN 01	JAN 01	JAN 01	JAN 01
6th January	JAN 06	JAN 06	JAN 06	JAN 06	JAN 06
Good Friday	APR 02	APR 15	APR 07	MAR 29	APR 18
Easter Monday	APR 05	APR 18	APR 10	APR 01	APR 21
1st May	MAY 01	MAY 01	MAY 01	MAY 01	MAY 01
Ascension Day	MAY 13	MAY 26	MAY 18	MAY 09	MAY 29
Whit Monday	MAY 24	JUN 06	MAY 29	MAY 20	JUN 09
Corpus Christi Day	JUN 03	JUN 16	JUN 08	MAY 30	JUN 19
Day of German Unity	OCT 03	OCT 03	OCT 03	OCT 03	OCT 03
All Saints' Day	NOV 01	NOV 01	NOV 01	NOV 01	NOV 01
Christmas Day	DEC 25	DEC 25	DEC 25	DEC 25	DEC 25
Boxing Day	DEC 26	DEC 26	DEC 26	DEC 26	DEC 26

LSZH AD 2.22 FLIGHT PROCEDURES

1. SID Description

Speed limitation:

If the SID stipulates a speed limit for a turn, this speed must be adhered to during the turn even after a "DIRECT TO" clearance.

1.1 SID RNAV

1.1.1 SID RWY 10 - RNAV 1

(see chart LSZH AD 2.24.7.1 - 1)

DESIGNATOR	RWY 10 - RNAV 1				
	ROUTE			Contact	Remark
	Lateral	Vertical			
DEGES 2E PDG 6.1% to 2500ft	Climb straight ahead. At D2.1 KLO or 2500ft, whichever is later, intercept R084 KLO. Proceed via ZH502, KOLUL, ZH504, ZH525 to DEGES.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH502 at 4000ft or above, ZH504 at 5000ft or above, ZH525 at 7000ft or above, DEGES at FL080 or above.	When instructed contact Zurich DEP 125.955.	WIL DME required for DME/DME navigation. RNAV applicable when passing KOLUL.	
GERSA 2C PDG 6.1% to 2500ft MNM climb gradient 6.6% to 7000ft due to airspace restrictions	Climb straight ahead. At D2.1 KLO or 2500ft, whichever is later, intercept R084 KLO. At ZH502/D9 KLO turn right (MAX IAS 210kt during turn). Proceed via ZH526, ARTAG to GERSA.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH502 at 4000ft or above, ZH526 at FL100 or above, GERSA at FL140 or above.	When instructed contact Zurich DEP 125.955.	RNAV applicable when passing ZH502. At GERSA: -FLT to RESIA proceed on Z50. Cross KELIP at FL160 or above. -Other FLT proceed on N/UN850	

Procedure Description of RNAV 1 SID DEGES 2E

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	KOLUL	N	-	-	-	-
TF	ZH504	N	+5000	-	099° (102.1°T)	3.1
TF	ZH525	N	+7000	-	099° (101.8°T)	4.7
TF	DEGES	N	+FL080	-	099° (102.0°T)	8.0

Procedure Description of RNAV 1 SID GERSA 2C

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	ZH502	Y	+4000	-	-	-
DF	ZH526	N	+FL100	210	-	-
TF	ARTAG	N	-	-	215° (217.6°T)	7.2
TF	GERSA	N	+FL140	-	171° (174.3°T)	7.6

SID RWY 10 - RNAV 5
(see chart LSZH AD 2.24.7.1 - 3)

DESIGNATOR	RWY 10 - RNAV 5			
	ROUTE		Contact	Remark
	Lateral	Vertical		
GERSA 1E (SUSPENDED) PDG 6.5% to 2500ft	Climb straight ahead. At D2.1 KLO or 2500ft, whichever is later, turn left (MAX IAS 210kt during turn). Intercept R053 WIL. Proceed via BREGO, ZH556, ZH557, AFOLT, ARTAG to GERSA.	INITIAL CLIMB CLEARANCE 5000ft. Cross R360 KLO at 4000ft or above, BREGO at 5000ft or above, ZH556 at 8000ft or above, ZH557 at 9000ft or above, AFOLT at 10000ft or above, GERSA at 14000ft or above.	When instructed contact Zurich DEP 125.955.	RNAV applicable when passing BREGO. At GERSA: -FLT to RESIA proceed on Z50. Cross KELIP at 16000ft or above. -Other FLT proceed on N/UN850
VEBIT 3E PDG 6.1% to 2500ft	Climb straight ahead. At D2.1 KLO or 2500ft, whichever is later, turn left (MAX IAS 210kt during turn). Intercept R052 WIL. Proceed via BREGO, ZH554, ZH558 to VEBIT.	INITIAL CLIMB CLEARANCE 5000ft. Cross R360 KLO at 4000ft or above, BREGO at 5000ft or above, ZH554 at 6000ft or above, ZH558 at 7000ft or above.	When instructed contact Zurich DEP 125.955.	RNAV applicable when passing BREGO. For routing after VEBIT to GERSA, see LSZH AD 2.24.6 - 1

Procedure Description of RNAV 5 SID GERSA 1E

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
-	BREGO	N	+5000	-	-	-
TF	ZH556	N	+8000	-	151° (153.1°T)	3.5
TF	ZH557	N	+9000	-	151° (153.1°T)	1.7
TF	AFOLT	N	+10000	-	151° (153.1°T)	5.2
TF	ARTAG	N	-	-	151° (153.1°T)	4.8
TF	GERSA	N	+14000	-	173° (174.3°T)	7.6

Procedure Description of RNAV 5 SID VEBIT 3E

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	BREGO	N	+5000	-	-	-
TF	ZH554	N	+6000	-	239° (242.5°T)	4.5
TF	ZH558	N	+7000	-	239° (242.4°T)	4.8
TF	VEBIT	N	-	-	239° (242.4°T)	6.4

SID RWY 10 - RNAV 1 (by ATC only)
(see chart LSZH AD 2.24.7.1 - 5)

DESIGNATOR	RWY 10 - RNAV 1 (by ATC only)				
	ROUTE			Contact	Remark
	Lateral	Vertical			
DEGES 1B PDG 6.1% to 2500ft	Climb straight ahead to ZH520. At ZH520 or 2500ft, whichever is later, turn left direct to ZH521. At ZH521 proceed via ZH502, KOLUL, ZH504 and ZH525 to DEGES.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH502 at 4000ft or above, ZH504 at 5000ft or above, ZH525 at 7000ft or above, DEGES at FL080 or above.	When instructed contact Zurich DEP 125.955.		
VEBIT 1B PDG 6.1% to 2500ft	Climb straight ahead to ZH520. At ZH520 or 2500ft, whichever is later, turn left direct to ZH523 (MAX IAS 210kt during turn). At ZH523 proceed via BREGO, ZH554, ZH558 to VEBIT.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH523 at 4000ft or above, BREGO at 5000ft or above, ZH554 at 6000ft or above, ZH558 at 7000ft or above.	When instructed contact Zurich DEP 125.955.	For routing after VEBIT to GERSA, see LSZH AD 2.24.6 - 1	

Procedure Description of RNAV 1 (by ATC only) SID DEGES 1B

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RWY10	-	-	-	-	-
TF	ZH520	Y	-	-	093° (096.0°T)	2.4
CA	-	-	+2500	-	093° (096.0°T)	-
DF	ZH521	N	-	-	-	-
TF	ZH502	N	+4000	-	084° (086.9°T)	4.8
TF	KOLUL	N	-	-	084° (087.0°T)	2.3
TF	ZH504	N	+5000	-	099° (102.1°T)	3.1
TF	ZH525	N	+7000	-	099° (101.8°T)	4.7
TF	DEGES	N	+FL080	-	099° (102.0°T)	8.0

Procedure Description of RNAV 1 (by ATC only) SID VEBIT 1B

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RWY10	-	-	-	-	-
TF	ZH520	Y	-	-	093° (096.0°T)	2.4
CA	-	-	+2500	-	093° (096.0°T)	-
DF	ZH523	N	+4000	-210	-	-
TF	BREGO	N	+5000	-	232° (235.1°T)	9.9
TF	ZH554	N	+6000	-	239° (242.5°T)	4.5
TF	ZH558	N	+7000	-	239° (242.4°T)	4.8
TF	VEBIT	N	-	-	239° (242.4°T)	6.4

1.1.2 SID RWY 16 - RNAV 1

(see chart LSZH AD 2.24.7.2 - 1)

DESIGNATOR	RWY 16 - RNAV 1				
	ROUTE			Contact	Remark
	Lateral	Vertical			
DEGES 3S PDG 5.3% to 2000ft	Climb straight ahead. - Turn left at 2000ft but not before D1 KLO (MAX IAS 210kt during turn). Intercept R084 KLO. Proceed via ZH502, KOLUL, ZH504, ZH525 to DEGES.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH502 at 4000ft or above, ZH504 at 5000ft or above, ZH525 at 7000ft or above, DEGES at FL080 or above.	When instructed contact Zurich DEP 125.955.	WIL DME required for DME/DME navigation. RNAV applicable when passing KOLUL.	

Procedure Description of RNAV 1 SID DEGES 3S

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	KOLUL	N	-	-	-	-
TF	ZH504	N	+5000	-	099° (102.1°T)	3.1
TF	ZH525	N	+7000	-	099° (101.8°T)	4.7
TF	DEGES	N	+FL080	-	099° (102.0°T)	8.0

SID RWY 16 - RNAV 5

(see chart LSZH AD 2.24.7.2 - 3)

DESIGNATOR	RWY 16 - RNAV 5				
	ROUTE			Contact	Remark
	Lateral	Vertical			
DEGES 2R (SUSPENDED) PDG 6.4% to 2000ft	Climb straight ahead. - Turn left at 2000ft but not before D1 KLO (MAX IAS 210kt during turn). Intercept R085 KLO. Proceed via ZH502, KOLUL, ZH504, ZH525 to DEGES.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH502 at 4000ft or above, ZH504 at 5000ft or above, ZH525 at 7000ft or above, DEGES at 8000ft or above.	When instructed contact Zurich DEP 125.955.	As long as below 9200ft, monitoring of cross references at ZH504 and ZH525 compulsory. RNAV 5 applicable when passing 9200ft.	
GERSA 2S (SUSPENDED) PDG 6.4% to 2000ft	Climb straight ahead. - Turn left at 2000ft but not before D1 KLO (MAX IAS 210kt during turn). Intercept R053 WIL. Proceed via BREGO, ZH556, ZH557, AFOLT, ARTAG to GERSA.	INITIAL CLIMB CLEARANCE 5000ft. Cross R180/R360 KLO at 4000ft or above, BREGO at 5000ft or above, ZH556 at 8000ft or above, ZH557 at 9000ft or above, AFOLT at 10000ft or above, GERSA at 14000ft or above.	When instructed contact Zurich DEP 125.955.	RNAV applicable when passing BREGO.	
VEBIT 4S PDG 5.3% to 2000ft	Climb straight ahead. - Turn left at 2000ft but not before D1 KLO (MAX IAS 210kt during turn). Intercept R052 WIL. Proceed via BREGO, ZH 554, ZH558 to VEBIT.	INITIAL CLIMB CLEARANCE 5000ft. Cross R180/R360 KLO at 4000ft or above, BREGO at 5000ft or above, ZH554 at 6000ft or above, ZH558 at 7000ft or above.	When instructed contact Zurich DEP 125.955.	RNAV applicable when passing BREGO. For routing after VEBIT to GERSA, see LSZH AD 2.24.6 - 1	

Procedure Description of RNAV 5 SID DEGES 2R

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
-	ZH502	N	+4000	-	-	-
TF	KOLUL	N	-	-	085° (087.0°T)	2.3
TF	ZH504	N	+5000	-	100° (102.0°T)	3.1
TF	ZH525	N	+7000	-	100° (101.9°T)	4.7
TF	DEGES	Y	+8000	-	100° (102.0°T)	8.0

Procedure Description of RNAV 5 SID GERSA 2S

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
-	BREGO	N	+5000	-	-	-
TF	ZH556	N	+8000	-	151° (153.1°T)	3.5
TF	ZH557	N	+9000	-	151° (153.1°T)	1.7
TF	AFOLT	N	+10000	-	151° (153.1°T)	5.2
TF	ARTAG	N	-	-	151° (153.1°T)	4.8
TF	GERSA	N	+14000	-	173° (174.3°T)	7.6

Procedure Description of RNAV 5 SID VEBIT 4S

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	BREGO	N	+5000	-	-	-
TF	ZH554	N	+6000	-	239° (242.5°T)	4.5
TF	ZH558	N	+7000	-	239° (242.4°T)	4.8
TF	VEBIT	N	-	-	239° (242.4°T)	6.4

SID RWY 16 - RNAV 1 (by ATC only)
(see chart LSZH AD 2.24.7.2 - 5)

DESIGNATOR	RWY 16 - RNAV 1 (by ATC only)				
	ROUTE			Contact	Remark
	Lateral	Vertical			
DEGES 1T PDG 5.3% to 2000ft	Climb straight ahead to ZH530. Turn left at 2000ft but not before ZH530 direct to ZH521 (MAX IAS 210kt during turn). At ZH521 proceed via ZH502, KOLUL, ZH504, ZH525 to DEGES.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH502 at 4000ft or above, ZH504 at 5000ft or above, ZH525 at 7000ft or above, DEGES at FL080 or above.	When instructed contact Zurich DEP 125.955.		
VEBIT 1T PDG 5.3% to 2000ft	Climb straight ahead to ZH530. Turn left at 2000 ft but not before ZH530 direct to ZH531 (MAX IAS 210kt during turn). At ZH531 proceed via ZH533 (MAX IAS 210kt until ZH533), BREGO, ZH554, ZH558 to VEBIT.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH533 at 4000ft or above, BREGO at 5000ft or above, ZH554 at 6000ft or above, ZH558 at 7000ft or above.	When instructed contact Zurich DEP 125.955.	For routing after VEBIT to GERSA, see LSZH AD 2.24.6 - 1	

Procedure Description of RNAV 1 (by ATC only) SID DEGES 1T

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RWY16	-	-	-	-	-
TF	ZH530	Y	-	-	152° (155.0°T)	2.2
CA	-	-	+2000	-	152° (155.0°T)	-
DF	ZH521	N	-	-210	-	-
TF	ZH502	N	+4000	-	084° (086.9°T)	4.8
TF	KOLUL	N	-	-	084° (087.0°T)	2.3
TF	ZH504	N	+5000	-	099° (102.1°T)	3.1
TF	ZH525	N	+7000	-	099° (101.8°T)	4.7
TF	DEGES	N	+FL080	-	099° (102.0°T)	8.0

Procedure Description of RNAV 1 (by ATC only) SID VEBIT 1T

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RWY16	-	-	-	-	-
TF	ZH530	Y	-	-	152° (155.0°T)	2.2
CA	-	-	+2000	-	152° (155.0°T)	-
DF	ZH531	N	-	-	-	-
TF	ZH533	N	+4000	-210	261° (264.1°T)	2.5
TF	BREGO	N	+5000	-	238° (240.5°T)	9.3
TF	ZH554	N	+6000	-	239° (242.5°T)	4.5
TF	ZH558	N	+7000	-	239° (242.4°T)	4.8
TF	VEBIT	N	-	-	239° (242.4°T)	6.4

1.1.3 SID RWY 28 - RNAV 5

(see chart LSZH AD 2.24.7.3 - 1)

DESIGNATOR	RWY 28 - RNAV 5				
	ROUTE			Contact	Remark
	Lateral	Vertical			
DEGES 3W PDG 6.6% to 2100ft MNM climb gradient 7.0% to 5000ft due to airspace restrictions.	Climb straight ahead. At D2.3 KLO turn left. Intercept R252 KLO. At ZH552/D6.5 KLO or when instructed by ATC, turn left (MAX IAS 210kt during turn). Intercept R231 KLO. Proceed via KLO, MOMOL, KOLUL, ZH504, ZH525 to DEGES.	INITIAL CLIMB CLEARANCE 5000ft.	When instructed contact Zurich DEP 125.955.	RNAV applicable when passing KLO.	
GERSA 2W (SUSPENDED) PDG 7.0% to 2500ft	Climb straight ahead. At D2.3 KLO turn left. Intercept R053 WIL. Proceed via BREGO, ZH556, ZH557, AFOLT, ARTAG to GERSA.	INITIAL CLIMB CLEARANCE 5000ft. Cross BREGO at 5000ft or above, ZH556 at 8000ft or above, ZH557 at 9000ft or above, AFOLT at 10000ft or above, GERSA at 14000ft or above.	When instructed contact Zurich DEP 125.955.	RNAV applicable when passing BREGO.	
VEBIT 4W PDG 6.6% to 2100ft MNM climb gradient 6.6% to 5100ft due to airspace restrictions.	Climb straight ahead. At D2.3 KLO turn left. Intercept R052 WIL. Proceed via BREGO, ZH554, ZH558 to VEBIT.	INITIAL CLIMB CLEARANCE 5000ft. Cross BREGO at 5000ft or above, ZH554 at 6000ft or above, ZH558 at 7000ft or above.	When instructed contact Zurich DEP 125.955.	RNAV applicable when passing BREGO. For routing after VEBIT to GERSA, see LSZH AD 2.24.6 - 1	

Procedure Description of RNAV 5 SID DEGES 3W

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	KLO	Y	-	-	-	-
TF	MOMOL	N	-	-	084° (086.9°T)	5.1
TF	KOLUL	N	-	-	084° (086.9°T)	6.2
TF	ZH504	N	-	-	099° (102.1°T)	3.1
TF	ZH525	N	-	-	099° (101.8°T)	4.7
TF	DEGES	N	-	-	099° (102.0°T)	8.0

Procedure Description of RNAV 5 SID GERSA 2W

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
	BREGO	Y	+5000	-	-	-
TF	ZH556	N	+8000	-	151° (153.1°T)	3.5
TF	ZH557	N	+9000	-	151° (153.1°T)	1.7
TF	AFOLT	N	+10000	-	151° (153.1°T)	5.2
TF	ARTAG	N	-	-	151° (153.1°T)	4.8
TF	GERSA	N	+14000	-	173° (174.3°T)	7.6

Procedure Description of RNAV 5 SID VEBIT 4W

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	BREGO	Y	+5000	-	-	-
TF	ZH554	N	+6000	-	239° (242.5°T)	4.5
TF	ZH558	N	+7000	-	239° (242.4°T)	4.8
TF	VEBIT	N	-	-	239° (242.4°T)	6.4

SID RWY 28 - RNP 1 (RF required) (by ATC only)
(see chart LSZH AD 2.24.7.3 - 3 / 5)

DESIGNATOR	RWY 28 - RNP 1 (RF required) (by ATC only)				
	ROUTE			Contact	Remark
	Lateral	Vertical			
DEGES 1Y PDG 7.7% to 2200ft MNM climb gradient 7.7% to 4800ft due to airspace restrictions.	Climb straight ahead to ZH540. At ZH540 turn left to ZH548. At ZH548 proceed via ZH541 to ZH552. At ZH552, turn left direct to ZH553 (MAX IAS 210kt during turn). At ZH553 proceed via ZH501, MOMOL, KOLUL, ZH504, ZH525 to DEGES.		INITIAL CLIMB CLEARANCE 5000ft.	When instructed contact Zurich DEP 125.955.	RF required

Procedure Description of RNP 1 (RF required) (by ATC only) SID DEGES 1Y

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RWY28	-	-	-	-	-
TF	ZH540	N	-	-	273° (276.0°T)	3.3
RF (Centre ZH545 r = 1.215 NM)	ZH548	N	-	-	-	1.2
TF	ZH541	N	-	-	215° (217.6°T)	1.2
TF	ZH552	Y	-	-	252° (254.8°T)	2,2
DF	ZH553	N	-	-210	-	-
TF	ZH501	N	-	-	051° (053.9°T)	4.5
TF	MOMOL	N	-	-	084° (086.9°T)	5.1
TF	KOLUL	N	-	-	084° (086.9°T)	6.2
TF	ZH504	N	-	-	099° (102.1°T)	3.1
TF	ZH525	N	-	-	099° (101.8°T)	4.7
TF	DEGES	N	-	-	099° (102.0°T)	8.0

DESIGNATOR	RWY 28 - RNP 1 (RF required) (by ATC only)				
	ROUTE			Contact	Remark
	Lateral	Vertical			
VEBIT 1Y PDG 7.7% to 2400ft MNM climb gradient 7.7% to 4800ft due to airspace restrictions.	Climb straight ahead to ZH540. At ZH540 turn left to ZH544. At ZH544 turn right to ZH546 (MAX IAS 210kt during turn). At ZH546 proceed via BREGO, ZH554 and ZH558 to VEBIT.		INITIAL CLIMB CLEARANCE 5000ft. Cross BREGO at 5000ft or above, ZH554 at 6000ft or above, ZH558 at 7000ft or above.	When instructed contact Zurich DEP 125.955.	RF required For routing after VEBIT to GERSA, see LSZH AD 2.24.6 - 1

Procedure Description of RNP 1 (RF required) (by ATC only) SID VEBIT 1Y

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RWY28	-	-	-	-	-
TF	ZH540	N	-	-	273° (276.0°T)	3.3
RF (Centre ZH545 r = 1.215 NM)	ZH544	N	-	-	-	1.5
RF (Centre ZH547 r = 2.936NM)	ZH546	N	-	-210	-	1.5
TF	BREGO	N	+5000	-	232° (235.0°T)	4.5
TF	ZH554	N	+6000	-	239° (242.5°T)	4.5
TF	ZH558	N	+7000	-	239° (242.4°T)	4.8
TF	VEBIT	N	-	-	239° (242.4°T)	6.4

SID RWY 28 - RNAV 1 (by ATC only)
(see chart LSZH AD 2.24.7.3 - 7)

DESIGNATOR	RWY 28 - RNAV 1 (by ATC only)				
	ROUTE			Contact	Remark
	Lateral	Vertical			
DEGES 1X PDG 7.7% to 2200ft MNM climb gradient 7.7% to 4800ft due to airspace restrictions.	Climb straight ahead to ZH540. At ZH540 turn left direct to ZH541 (MAX IAS 210kt during turn). At ZH541 proceed to ZH552. At ZH552 or when instructed by ATC, turn left direct to ZH553 (MAX IAS 210kt during turn). At ZH553 proceed via ZH501, MOMOL, KOLUL, ZH504, ZH525 to DEGES.	INITIAL CLIMB CLEARANCE 5000ft.	When instructed contact Zurich DEP 125.955.		
VEBIT 1X PDG 7.7% to 2400ft MNM climb gradient 7.7% to 4700ft due to airspace restrictions.	Climb straight ahead direct to ZH540. At ZH540 turn left direct to ZH542. At ZH542 proceed via BREGO, ZH554, ZH558 to VEBIT.	INITIAL CLIMB CLEARANCE 5000ft. Cross BREGO at 5000ft or above, ZH554 at 6000ft or above, ZH558 at 7000ft or above.	When instructed contact Zurich DEP 125.955.	For routing after VEBIT to GERSA, see LSZH AD 2.24.6 - 1	

Procedure Description of RNAV 1 (by ATC only) SID DEGES 1X

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RWY28	-	-	-	-	-
TF	ZH540	Y	-	-	273° (276.0°T)	3.3
DF	ZH541	N	-	-	-	-
TF	ZH552	Y	-	-	252° (254.8°T)	2.2
DF	ZH553	N	-	-210	-	-
TF	ZH501	N	-	-	051° (053.9°T)	4.5
TF	MOMOL	N	-	-	084° (086.9°T)	5.1
TF	KOLUL	N	-	-	084° (086.9°T)	6.2
TF	ZH504	N	-	-	099° (102.1°T)	3.1
TF	ZH525	N	-	-	099° (101.8°T)	4.7
TF	DEGES	N	-	-	099° (102.0°T)	8.0

Procedure Description of RNAV 1 (by ATC only) SID VEBIT 1X

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RWY28	-	-	-	-	-
TF	ZH540	Y	-	-	273° (276.0°T)	3.3
DF	ZH542	N	-	-	-	-
TF	BREGO	N	+5000	-	232° (235.0°T)	5.8
TF	ZH554	N	+6000	-	239° (242.5°T)	4.5
TF	ZH558	N	+7000	-	239° (242.4°T)	4.8
TF	VEBIT	N	-	-	239° (242.4°T)	6.4

1.1.4 SID RWY 32 - RNAV 1
(see chart LSZH AD 2.24.7.4 - 1)

DESIGNATOR	RWY 32 - RNAV 1				
	ROUTE			Contact	Remark
	Lateral	Vertical			
DEGES 5L PDG 5.6% to 3100ft	Climb straight ahead. Intercept TR327 to ZH580. At ZH580 turn left (MAX IAS 210kt). Intercept TR241 to ZH569. At ZH569 turn left direct to ZH568 (MAX IAS 210kt). At ZH568 proceed via ZH501, MOMOL, KOLUL, ZH504, ZH525 to DEGES.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH580 at 3500ft or above. (2) Cross ZH568 at 5000ft or above. (1) Cross MOMOL at FL080 or above. (1)	When instructed contact Zurich DEP 125.955.		
VEBIT 4N PDG 5.6% to 2900ft	Climb straight ahead. Intercept TR327 to ZH580. At ZH580 turn left (MAX IAS 210kt). Intercept TR241 to ZH577 (MAX IAS 210kt during turn). Proceed via BREGO, ZH554, ZH558 to VEBIT.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH580 at 3500ft or above. (2) Cross BREGO at 5000ft or above, ZH554 at 6000ft or above, ZH558 at 7000ft or above.	When instructed contact Zurich DEP 125.955.	For routing after VEBIT to GERSA, see LSZH AD 2.24.6 - 1	
ZUE 5L PDG 5.6% to 3100ft	Climb straight ahead. Intercept TR327 to ZH580. At ZH580 turn left (MAX IAS 210kt). Intercept TR241 to ZH569. At ZH569 turn left direct to ZH568 (MAX IAS 210kt). At ZH568 proceed via ZH501 to ZUE.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH580 at 3500ft or above. (2) Cross ZH568 at 5000ft or above. (1) Cross ZUE at 6000ft or above.	When instructed contact Zurich DEP 125.955.		

(1) If unable to comply, advise ATC on CLR DEL.

(2) Average climb gradient to reach ZH580 at 3500ft is 14.6%. A380 only: If unable to comply with 3500ft, turn may be initiated at MNM 2500ft at ZH580. Average climb gradient to reach ZH580 at 2500ft is 7.6%.

Procedure Description of RNAV 1 SID DEGES 5L

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
CA	-	N	+1810	-	314° (317.2°T)	-
CF (Navaid KLO)	ZH580	Y	+3500 (1)	-	327° (330.1°T)	-
CF (Navaid KLO)	ZH569	Y	-	-	241° (244.2°T)	-
DF	ZH568	N	+5000	-210	-	-
TF	ZH501	N	-	-	087° (090.1°T)	4.8
TF	MOMOL	N	+FL080	-	084° (086.9°T)	5.1
TF	KOLUL	N	-	-	084° (086.9°T)	6.2
TF	ZH504	N	-	-	099° (102.1°T)	3.1
TF	ZH525	N	-	-	099° (101.8°T)	4.7
TF	DEGES	N	-	-	099° (102.0°T)	8.0

(1) A380 only: If unable to comply with 3500ft, turn may be initiated at MNM 2500ft at ZH580.

Procedure Description of RNAV 1 SID VEBIT 4N

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
CA	-	N	+1810	-	314° (317.2°T)	-
CF (Navaid KLO)	ZH580	Y	+3500 (1)	-	327° (330.1°T)	-
CF (Navaid KLO)	ZH577	N	-	-210	241° (244.2°T)	-
TF	BREGO	N	+5000	-	189° (192.5°T)	7.9
TF	ZH554	N	+6000	-	239° (242.5°T)	4.5
TF	ZH558	N	+7000	-	239° (242.4°T)	4.8
TF	VEBIT	N	-	-	239° (242.4°T)	6.4

(1) A380 only: If unable to comply with 3500ft, turn may be initiated at MNM 2500ft at ZH580.

Procedure Description of RNAV 1 SID ZUE 5L

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
CA	-	N	+1810	-	314° (317.2°T)	-
CF (Navaid KLO)	ZH580	Y	+3500 (1)	-	327° (330.1°T)	-
CF (Navaid KLO)	ZH569	Y	-	-	241° (244.2°T)	-
DF	ZH568	N	+5000	-210	-	-
TF	ZH501	N	-	-	087° (090.1°T)	4.8
TF	ZUE	N	+6000	-	051° (053.7°T)	13.7

(1) A380 only: If unable to comply with 3500ft, turn may be initiated at MNM 2500ft at ZH580.

SID RWY 32 - RNAV 5
(see chart LSZH AD 2.24.7.4 - 3)

DESIGNATOR	RWY 32 - RNAV 5			
	ROUTE		Contact	Remark
	Lateral	Vertical		
DEGES 4N PDG 6.3% to 1800ft	Climb straight ahead. At D2 KLO turn right. Establish TR329. At D4 KLO turn right (MAX IAS 210kt during turn). Intercept R254 ZUE. Proceed via ZH503, ZH506, KOLUL, ZH504, ZH525 to DEGES.	INITIAL CLIMB CLEARANCE 5000ft. Cross D4 KLO at 3500ft or above. (2) Cross ZH503 at 6000ft or above. (1) Cross DEGES at FL080 or above. (1)	When instructed contact Zurich DEP 125.955.	RNAV applicable when passing ZH503.
GERSA 1N (SUSPENDED) PDG 5.3% to 3300ft	Climb straight ahead. At D2 KLO turn right. Establish TR330. At D4 KLO turn left (MAX IAS 210kt during turn). Establish TR244 to intercept R190 TRA. Proceed via BREGO, ZH556, ZH557, AFOLT, ARTAG to GERSA.	INITIAL CLIMB CLEARANCE 5000ft. Cross D4 KLO at 3500ft or above. (2) Cross BREGO at 5000ft or above, ZH556 at 8000ft or above, ZH557 at 9000ft or above, AFOLT at 10000ft or above, GERSA at 14000ft or above.	When instructed contact Zurich DEP 125.955.	RNAV applicable when passing BREGO.

(1) If unable to comply, advise ATC on CLR DEL.

DEGES 4N: ATC may approve MNM 5000ft at ZH503, if restricting airspace is not active.

(2) Average climb gradient to reach D4 KLO at 3500ft is 14.6%. A380 only: If unable to comply with 3500ft, turn may be initiated at MNM 2500ft at D4 KLO. Average climb gradient to reach D4 KLO at 2500ft is 7.6%.

Procedure Description of RNAV 5 SID DEGES 4N

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	ZH503	N	+6000	-	-	-
TF	ZH506	N	-	-	142° (144.6°T)	5.0
TF	KOLUL	N	-	-	142° (144.6°T)	2.9
TF	ZH504	N	-	-	099° (102.1°T)	3.1
TF	ZH525	N	-	-	099° (101.8°T)	4.7
TF	DEGES	N	+FL080	-	099° (102.0°T)	8.0

Procedure Description of RNAV 5 SID GERSA 1N

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
	BREGO	N	+5000	-	-	-
TF	ZH556	N	+8000	-	151° (153.1°T)	3.5
TF	ZH557	N	+9000	-	151° (153.1°T)	1.7
TF	AFOLT	N	+10000	-	151° (153.1°T)	5.2
TF	ARTAG	N	-	-	151° (153.1°T)	4.8
TF	GERSA	N	+14000	-	173° (174.3°T)	7.6

SID RWY 32 - RNAV 1 (by ATC only)

(see chart LSZH AD 2.24.7.4 - 5)

DESIGNATOR	RWY 32 - RNAV 1 (by ATC only)				
	ROUTE			Contact	Remark
	Lateral	Vertical			
DEGES 1P PDG 6.9% to 2000ft	Climb straight ahead to ZH579. At ZH579 turn right to ZH580. At ZH580 turn right direct to ZH571 (MAX IAS 210kt during turn). At ZH571 proceed via ZH503, ZH506, KOLUL, ZH504, ZH525 to DEGES.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH580 at 3500ft or above. (2) Cross ZH503 at 6000ft or above. (1) Cross DEGES at FL080 or above. (1)		When instructed contact Zurich DEP 125.955.	

(1) If unable to comply, advise ATC on CLR DEL.

ATC may approve MNM 5000ft at ZH503, if restricting airspace is not active.

(2) Average climb gradient to reach ZH580 at 3500ft is 14.6%. A380 only: If unable to comply with 3500ft, turn may be initiated at MNM 2500ft at D4 KLO. Average climb gradient to reach ZH580 at 2500ft is 7.6%.

Procedure Description of RNAV 1 (by ATC only) SID DEGES 1P						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RWY32	-	-	-	-	-
TF	ZH579	N	-	-	314° (317.2°T)	2.6
TF	ZH580	Y	+3500	-	327° (330.1°T)	1.6
DF	ZH571	N	-	-210	-	-
TF	ZH503	N	+6000	-	074° (076.6°T)	5.0
TF	ZH506	N	-	-	142° (144.6°T)	5.0
TF	KOLUL	N	-	-	142° (144.6°T)	2.9
TF	ZH504	N	-	-	099° (102.1°T)	3.1
TF	ZH525	N	-	-	099° (101.8°T)	4.7
TF	DEGES	N	+FL080	-	099° (102.0°T)	8.0

1.1.5 SID RWY 34 - RNP 1 (RF required)
(see chart LSZH AD 2.24.7.5 - 1)

DESIGNATOR	RWY 34 - RNP 1 (RF required)				
	ROUTE			Contact	Remark
	Lateral	Vertical			
VEBIT 2K PDG 4.7% to 3400ft	Climb on course 331. Proceed via ZH570, ZH573, ZH559, BREGO, ZH554, ZH558 to VEBIT. (MAX IAS 210kt until ZH573).	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH570 at 3500ft or above, (1) BREGO at 5000ft or above, ZH554 at 6000ft or above, ZH558 at 7000ft or above.	When instructed contact Zurich DEP 125.955.	RF required. For routing after VEBIT to GERSA, see LSZH AD 2.24.6 - 1.	

(1) Average climb gradient to reach ZH570 at 3500ft is 12.5%. Four-engined aircraft only: if unable to comply with 3500ft turn may be initiated at MNM 2500ft at ZH570. Average climb gradient to reach ZH570 at 2500ft is 6.6%.

Procedure Description of RNP 1 (RF required) SID VEBIT 2K						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
CA	-	-	1900	-	332° (335.0°T)	-
CF (Navaid KLO)	ZH570	N	+3500 (1)	-	331° (334.1°T)	-
RF (Centre ZH578, r = 2.100NM)	ZH573	N	-	-210	-	3.3
TF	ZH559	N	-	-	241° (244.1°T)	2.3
TF	BREGO	N	+5000	-	189° (191.6°T)	7.8
TF	ZH554	N	+6000	-	239° (242.5°T)	4.5
TF	ZH558	N	+7000	-	239° (242.4°T)	4.8
TF	VEBIT	N	-	-	239° (242.4°T)	6.4

(1) Four-engined aircraft only: if unable to comply with 3500ft turn may be initiated at MNM 2500ft at ZH570.

SID RWY 34 - RNAV 1

(see chart LSZH AD 2.24.7.5 - 3)

DESIGNATOR	RWY 34 - RNAV 1				
	ROUTE			Contact	Remark
	Lateral	Vertical			
DEGES 5F PDG 5.0% to 3200ft	Climb straight ahead. Establish TR331 to ZH570. At ZH570 turn left (MAX IAS 210kt). Intercept TR241 to ZH569. At ZH569 turn left direct to ZH568 (MAX IAS 210kt). At ZH568 proceed via ZH501, MOMOL, KOLUL, ZH504, ZH525 to DEGES.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH570 at 3500ft or above. (1) Cross ZH568 at 5000ft or above. (2) Cross MOMOL at FL080 or above. (2)	When instructed contact Zurich DEP 125.955.		
VEBIT 4H PDG 5.0% to 3200ft	Climb on TR331 to ZH570. At ZH570 turn left (MAX IAS 210kt). Intercept TR241 to ZH577 (MAX 210kt during turn). Proceed via BREGO, ZH554, ZH558 to VEBIT.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH570 at 3500ft or above. (1) BREGO at 5000ft or above, ZH554 at 6000ft or above, ZH558 at 7000ft or above.	When instructed contact Zurich DEP 125.955.	For routing after VEBIT to GESA, see LSZH AD 2.24.6 - 1	
ZUE 5F PDG 5.0% to 3200ft	Climb straight ahead. Establish TR331 to ZH570. At ZH570 turn left (MAX IAS 210kt). Intercept TR241 to ZH569. At ZH569 turn left direct to ZH568 (MAX IAS 210kt). At ZH568 proceed via ZH501 to ZUE.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH570 at 3500ft or above. (1) Cross ZH568 at 5000ft or above. (2) Cross ZUE at 6000ft or above.	When instructed contact Zurich DEP 125.955.		

(1) Average climb gradient to reach ZH570 at 3500ft is 12.5%. Four-engined aircraft only: if unable to comply with 3500ft turn may be initiated at MNM 2500ft at ZH570. Average climb gradient to reach ZH570 at 2500ft is 6.6%.

(2) If unable to comply, advise ATC on CLR DEL.

Procedure Description of RNAV 1 SID DEGES 5F						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
CA	-	N	+1790	-	332° (335.0°T)	-
CF (Navaid KLO)	ZH570	Y	+3500 (1)	-	331° (334.1°T)	-
CF (Navaid KLO)	ZH569	Y	-	-	241° (244.2°T)	-
DF	ZH568	N	+5000	-210	-	-
TF	ZH501	N	-	-	087° (090.1°T)	4.8
TF	MOMOL	N	+FL080	-	084° (086.9°T)	5.1
TF	KOLUL	N	-	-	084° (086.9°T)	6.2
TF	ZH504	N	-	-	099° (102.1°T)	3.1
TF	ZH525	N	-	-	099° (101.8°T)	4.7
TF	DEGES	N	-	-	099° (102.0°T)	8.0

(1) Four-engined aircraft only: If unable to comply with 3500ft, turn may be initiated at MNM 2500ft at ZH570.

Procedure Description of RNAV 1 SID VEBIT 4H

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
CA	-	N	+1790	-	332° (335.0°T)	-
CF (Navaid KLO)	ZH570	Y	+3500 (1)	-	331° (334.1°T)	-
CF (Navaid KLO)	ZH577	N	-	-210	241° (244.2°T)	-
TF	BREGO	N	+5000	-	189° (192.5°T)	7.9
TF	ZH554	N	+6000	-	239° (242.5°T)	4.5
TF	ZH558	N	+7000	-	239° (242.4°T)	4.8
TF	VEBIT	N	-	-	239° (242.4°T)	6.4

(1) Four-engined aircraft only: If unable to comply with 3500ft, turn may be initiated at MNM 2500ft at ZH570.

Procedure Description of RNAV 1 SID ZUE 5F

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
CA	-	N	+1790	-	332° (335.0°T)	-
CF (Navaid KLO)	ZH570	Y	+3500 (1)	-	331° (334.1°T)	-
CF (Navaid KLO)	ZH569	Y	-	-	241° (244.2°T)	-
DF	ZH568	N	+5000	-210	-	-
TF	ZH501	N	-	-	087° (090.1°T)	4.8
TF	ZUE	N	+6000	-	051° (053.7°T)	13.7

(1) Four-engined aircraft only: If unable to comply with 3500ft, turn may be initiated at MNM 2500ft at ZH570.

SID RWY 34 - RNAV 5

(see chart LSZH AD 2.24.7.5 - 5)

DESIGNATOR	RWY 34 - RNAV 5				
	ROUTE			Contact	Remark
	Lateral	Vertical			
DEGES 4H PDG 4.6% to 1900ft	Climb on TR332. At D4 KLO turn right (MAX IAS 210kt during turn). Intercept R254 ZUE. Proceed via ZH503, ZH506, KOLUL, ZH504, ZH525 to DEGES.	INITIAL CLIMB CLEARANCE 5000ft. Cross D4 KLO at 3500ft or above. (1) Cross ZH503 at 6000ft or above. (2) Cross DEGES at FL080 or above.	When instructed contact Zurich DEP 125.955.	RNAV applicable when passing ZH503.	
GERSA 1H (SUSPENDED) PDG 5.2% to 3300ft	Climb on TR333. At D4 KLO turn left (MAX IAS 210kt during turn). Establish TR244 to intercept R190 TRA. Proceed via BREGO, ZH556, ZH557, AFOLT, ARTAG to GERSA.	INITIAL CLIMB CLEARANCE 5000ft. Cross D4 KLO at 3500ft or above. (1) Cross BREGO at 5000ft or above, ZH556 at 8000ft or above, ZH557 at 9000ft or above, AFOLT at 10000ft or above, GERSA at 14000ft or above.	When instructed contact Zurich DEP 125.955.	RNAV applicable when passing BREGO.	

(1) Average climb gradient to reach D4 KLO at 3500ft is 12.5%. Four-engined aircraft only: if unable to comply with 3500ft, turn may be initiated at MNM 2500ft at D4 KLO. Average climb gradient to reach D4 KLO at 2500ft is 6.6%.

(2) If unable to comply, advise ATC on CLR DEL. ATC may approve MNM 5000ft at ZH503, if restricting airspace is not active.

Procedure Description of RNAV 5 SID DEGES 4H						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	ZH503	N	+6000	-	-	-
TF	ZH506	N	-	-	142° (144.6°T)	5.0
TF	KOLUL	N	-	-	142° (144.6°T)	2.9
TF	ZH504	N	-	-	099° (102.1°T)	3.1
TF	ZH525	N	-	-	099° (101.8°T)	4.7
TF	DEGES	N	+FL080	-	099° (102.0°T)	8.0

Procedure Description of RNAV 5 SID GERSA 1H						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
-	BREGO	N	+5000	-	-	-
TF	ZH556	N	+8000	-	151° (153.1°T)	3.5
TF	ZH557	N	+9000	-	151° (153.1°T)	1.7
TF	AFOLT	N	+10000	-	151° (153.1°T)	5.2
TF	ARTAG	N	-	-	151° (153.1°T)	4.8
TF	GERSA	N	+14000	-	173° (174.3°T)	7.6

SID RWY 34 - RNAV 1 (by ATC only)
(see chart LSZH AD 2.24.7.5 - 7)

DESIGNATOR	RWY 34 - RNAV 1 (by ATC only)			
	ROUTE			Contact
	Lateral	Vertical	Remark	
DEGES 1J PDG 4.7% to 2100ft	Climb straight ahead to ZH570. At ZH570 turn right direct to ZH571 (MAX IAS 210kt). Proceed via ZH571, ZH503, ZH506, KOLUL, ZH504, ZH525 to DEGES.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZH570 at 3500ft or above. (2) Cross ZH503 at 6000ft or above. (1) Cross DEGES at FL080 or above.	When instructed contact Zurich DEP 125.955.	

(1) If unable to comply, advise ATC on CLR DEL.

ATC may approve MNM 5000ft at ZH503, if restricting airspace is not active.

(2) Average climb gradient to reach ZH570 at 3500ft is 12.5%.

Four-engined aircraft only: If unable to comply with 3500ft, turn may be initiated at MNM 2500ft at ZH570.

Average climb gradient to reach ZH570 at 2500ft is 6.6%.

Procedure Description of RNAV 1 (by ATC only) SID DEGES 1J

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RWY34	-	-	-	-	-
TF	ZH570	Y	+3500	-	331° (334.1°T)	4.6
DF	ZH571	N	-	-210	-	-
TF	ZH503	N	+6000	-	074° (076.6°T)	5.0
TF	ZH506	N	-	-	142° (144.6°T)	5.0
TF	KOLUL	N	-	-	142° (144.6°T)	2.9
TF	ZH504	N	-	-	099° (102.1°T)	3.1
TF	ZH525	N	-	-	099° (101.8°T)	4.7
TF	DEGES	N	+FL080	-	099° (102.0°T)	8.0

1.2 SID NON RNAV**1.2.1 SID RWY 10 - NON RNAV**

(see chart LSZH AD 2.24.7.1 - 7)

DESIGNATOR	RWY 10 - NON RNAV			
	ROUTE			
	Lateral	Vertical	Contact	Remark
WILLISAU 2D (WIL 2D) (SUSPENDED) PDG 6.5% to 2500ft	Climb straight ahead. At D2.1 KLO or 2500ft, whichever is later, turn left (MAX IAS 210kt during turn). Intercept R053 WIL. Proceed via BREGO, ZH555, ZH551 to WIL.	INITIAL CLIMB CLEARANCE 5000ft. Cross R360 KLO at 4000ft or above, BREGO at 5000ft or above, ZH555 at 6000ft or above, ZH551 at 7000ft or above.	When instructed contact Zurich DEP 125.955.	
ZURICH EAST 2D (ZUE 2D) PDG 6.1% to 2500ft MNM climb gradient 7.5% to 6000ft due to airspace restrictions.	Climb straight ahead. At D2.1 KLO or 2500ft, whichever is later, turn left (MAX IAS 210kt during turn). Establish TR013 to intercept R231 ZUE. Proceed to ZUE.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZUE at 6000ft or above.	When instructed contact Zurich DEP 125.955.	

The following departure is allocated to propeller aircraft only and requires visual conditions as specified.

Visual Conditions for departure: SID is allocated only if the relevant hill tops for the visual part are clearly visible by TWR.
--

DESIGNATOR	RWY 10 - NON RNAV			
	ROUTE			
	Lateral	Vertical	Contact	Remark
WILLISAU 3C (WIL 3C)	Climb straight ahead. Short visual right turn, but not before D2.1 KLO or when instructed by ATC. Turn within 2NM south of RWY 10. Establish TR268 to intercept R052 WIL. Proceed via BREGO, ZH555, ZH551 to WIL.	INITIAL CLIMB CLEARANCE 5000ft. Maintain visual ground contact to 4400ft. Cross BREGO at 5000ft or above, ZH555 at 6000ft or above, ZH551 at 7000ft or above.	When instructed contact Zurich DEP 125.955.	

1.2.2 SID RWY 16 - NON RNAV

(see chart LSZH AD 2.24.7.2 - 7)

The following departure is allocated to propeller aircraft only and requires visual conditions as specified.

Visual Conditions for departure: SID is allocated only if the relevant hill tops for the visual part are clearly visible by TWR.
--

DESIGNATOR	RWY 16 - NON RNAV			
	ROUTE			
	Lateral	Vertical	Contact	Remark
WILLISAU 3Q (WIL 3Q)	Climb straight ahead. Short visual right turn, but not before D1 KLO or when instructed by ATC. Turn within 3NM south of KLO. Establish TR268 to intercept R052 WIL. Proceed via BREGO, ZH555, ZH551 to WIL.	INITIAL CLIMB CLEARANCE 5000ft. Maintain visual ground contact to 4400ft. Cross BREGO at 5000ft or above, ZH555 at 6000ft or above, ZH551 at 7000ft or above.	When instructed contact Zurich DEP 125.955.	

1.2.3 SID RWY 28 - NON RNAV

(see chart LSZH AD 2.24.7.3 - 9)

DESIGNATOR	RWY 28 - NON RNAV				
	ROUTE			Contact	Remark
	Lateral	Vertical			
ZURICH EAST 3V (ZUE 3V) PDG 6.6% to 2100ft MNM climb gradient 7.0% up to 5000ft due to airspace restrictions	Climb straight ahead. At D2.3 KLO turn left. Intercept R252 KLO. At ZH552/D6.5 KLO or when instructed by ATC, turn left (MAX IAS 210kt during turn). Intercept R231 ZUE. Proceed to ZUE.	INITIAL CLIMB CLEARANCE 5000ft. Cross ZUE at 6000ft or above.	When instructed contact Zurich DEP 125.955.		

1.2.4 SID RWY 32 - NON RNAV

(see chart LSZH AD 2.24.7.4 - 7)

DESIGNATOR	RWY 32 - NON RNAV				
	ROUTE			Contact	Remark
	Lateral	Vertical			
ZURICH EAST 2M (ZUE 2M) PDG 6.9% to 1800ft	Climb straight ahead. At D2 KLO turn right. Establish TR329. At D4 KLO turn right (MAX IAS 210kt during turn). Proceed to ZUE.	INITIAL CLIMB CLEARANCE 5000ft. Cross D4 KLO at 3500ft or above. (1) Cross D5 ZUE before the station at 5000ft or above, ZUE at 6000ft or above.	When instructed contact Zurich DEP 125.955.	For routing after ZUE, see LSZH AD 2.24.6 - 1	

(1) Average climb gradient to reach D4 KLO at 3500ft is 14.6%. At turn at 3500ft continue to climb at MNM climb gradient 4.3% up to 5600ft due to airspace restrictions. A380 only: If unable to comply with 3500ft, turn may be initiated at MNM 2500ft at D4 KLO. Average climb gradient to reach D4 KLO at 2500ft is 7.6%. At turn at 2500ft continue to climb at MNM climb gradient 7.6% to 5000ft due to airspace restrictions.

1.2.5 SID RWY 34 - NON RNAV

(see chart LSZH AD 2.24.7.5 - 9)

DESIGNATOR	RWY 34 - NON RNAV				
	ROUTE			Contact	Remark
	Lateral	Vertical			
ZURICH EAST 2G (ZUE 2G) PDG 4.7% to 1900ft	Climb on TR332. At D4 KLO turn right (MAX IAS 210kt during turn). Proceed to ZUE.	INITIAL CLIMB CLEARANCE 5000ft. Cross D4 KLO at 3500ft or above. (1) Cross D5 ZUE before the station at 5000ft or above, ZUE at 6000ft or above.	When instructed contact Zurich DEP 125.955.		

(1) Average climb gradient to reach D4 KLO at 3500ft is 12.5%. At turn at 3500ft continue to climb at MNM climb gradient 4.3% up to 5600ft due to airspace restrictions. Four-engined aircraft only: if unable to comply with 3500ft, turn may be initiated at MNM 2500ft at D4 KLO. Average climb gradient to reach D4 KLO at 2500ft is 6.6%. At turn at 2500ft continue to climb at MNM climb gradient 6.6% up to 5600ft due to airspace restrictions.

1.2.6 SID Straight Ahead and Turn RWY 10, 16, 28, 34

(see chart LSZH AD 2.24.7.6 - 1)

DESIGNATOR	Straight Ahead and Turn RWY 10, 16, 28, 34				
	ROUTE			Contact	Remark
	Lateral	Vertical			
SAT 2E (RWY 10) PDG 7.2% to 5000ft	Climb straight ahead. At 2500ft turn left on TR078. MNM bank angle 20° and MAX IAS 210kt during turn.	INITIAL CLIMB CLEARANCE 5000ft. Further clearance by ATC.	When instructed contact ZurichDEP 125.955.	No turn before DER	
SAT 2S (RWY 16) PDG 6.5% to 5000ft	Climb straight ahead. At 2000ft turn left on TR013. MNM bank angle 20° and MAX IAS 210kt during turn.	INITIAL CLIMB CLEARANCE 5000ft. Further clearance by ATC.	When instructed contact ZurichDEP 125.955.	No turn before DER	
SAT 2W (RWY 28) PDG 6.1% to 5000ft MNM climb gradient 6.6% to 5000ft due to airspace.	Climb straight ahead. At 2200ft turn left on TR225. MNM bank angle 20° and MAX IAS 210kt during turn.	INITIAL CLIMB CLEARANCE 5000ft. Further clearance by ATC.	When instructed contact ZurichDEP 125.955.	No turn before DER	
SAT 2F (RWY 34) PDG 5.8% to 5000ft MNM climb gradient 12.5% to 5000ft due to noise abatement.	Climb straight ahead. At 3500ft turn left on TR241. MNM bank angle 20° and MAX IAS 210kt during turn.	INITIAL CLIMB CLEARANCE 5000ft. Further clearance by ATC.	When instructed contact ZurichDEP 125.955.	No turn before DER	
SAT 2H (RWY 34) PDG 5.8% to 5000ft MNM climb gradient 12.5% to 5000ft due to noise abatement.	Climb straight ahead. At 3500ft turn right on TR104. MNM bank angle 20° and MAX IAS 210kt during turn.	INITIAL CLIMB CLEARANCE 5000ft. Further clearance by ATC.	When instructed contact ZurichDEP 125.955.	No turn before DER	

1.3 Visual departures

Visual departures are available at LSZH only during daytime on the grounds of safety (for example, to avoid adverse weather such as TS/CB).

2. STAR Description

IFR PROCEDURE

Procedures to be followed by arriving aircraft are contained on the charts STANDARD INSTRUMENT ARRIVAL ROUTES (NON RNAV STAR / RNAV 5 STAR / RNAV 1 STAR).

SPEED LIMITATION:
General: Below FL 100 MAX IAS 250kt.

2.1 STAR TO GIPOL - RNAV 1

(see chart LSZH AD 2.24.9.1 - 1)

DESIGNATOR	STAR TO GIPOL - RNAV 1		
	ROUTE		Remark
	Lateral	Vertical	
BERSU 2G	From BERSU proceed via TADOB, ERMUS to GIPOL.	Refer to chart	
BÂLE-MULHOUSE 3G (BLM 3G)	From BLM proceed via ZH677 to GIPOL.	Refer to chart	NOTE: For descent planning, expect to cross 13NM to BLM above FL190, BLM between FL200 and FL150, ZH677 not below FL120.
DOPIIL 2G	From DOPIIL proceed via NOLKA, ERMUS to GIPOL.	Refer to chart	
KELIP 3G	From KELIP proceed via MOSIT, ZH628, ZH627, ZH501 to GIPOL.	Refer to chart	

Procedure Description of RNAV 1 STAR BERSU 2G

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	BERSU	N	-	-	-	-
TF	TADOB	N	-	-	062° (064.8°T)	6.7
TF	ERMUS	N	+8000	-	062° (065.0°T)	7
TF	GIPOL	N	+7000	-	330° (333.2°T)	18.4

Procedure Description of RNAV 1 STAR BLM 3G

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	BLM	N	-FL 200	-	-	-
TF	ZH677	N	+FL 120	-	106° (109.0°T)	10.2
TF	GIPOL	N	+7000	-	106° (109.2°T)	13.1

Procedure Description of RNAV 1 STAR DOPIIL 2G

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	DOPIIL	N	-	-	-	-
TF	NOLKA	N	-	-	041° (043.7°T)	6.5
TF	ERMUS	N	+8000	-	041° (043.8°T)	7
TF	GIPOL	N	+7000	-	330° (333.2°T)	18.4

Procedure Description of RNAV 1 STAR KELIP 3G

Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	KELIP	N	-	-	-	-
TF	MOSIT	N	+14000	-	351° (353.8°T)	6.8
TF	ZH628	N	+10000	-	347° (349.8°T)	12.2

Procedure Description of RNAV 1 STAR KELIP 3G						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
TF	ZH627	N	-	-	332° (335.1°T)	6.8
TF	ZH501	N	-	-	326° (329.1°T)	5.9
TF	GIPOL	N	+7000	-	275° (278.2°T)	20.7

2.2 STAR TO GIPOL - NON RNAV

(see chart LSZH AD 2.24.9.2 - 1)

DESIGNATOR	STAR TO GIPOL - NON RNAV		
	ROUTE		
	Lateral	Vertical	Remark
WILLISAU 3Z (WIL 3Z)	At WIL intercept R013 WIL. Proceed to GIPOL.	Refer to chart	

2.3 STAR TO AMIKI - RNAV 1

(see chart LSZH AD 2.24.9.3 - 1)

DESIGNATOR	STAR TO AMIKI - RNAV 1		
	ROUTE		
	Lateral	Vertical	Remark
TRA 2A	From TRA proceed to AMIKI.	Refer to chart	
NEGRA 2A	From NEGRA proceed via MATIV to AMIKI	Refer to chart	
RILAX 2A	From RILAX proceed via LAMAX to AMIKI	Refer to chart	

Procedure Description of RNAV 1 STAR TRA 2A						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	TRA	N	-	-	-	-
TF	AMIKI	N	+7000	-	103° (105.7°T)	25.3

Procedure Description of RNAV 1 STAR NEGRA 2A						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	NEGRA	N	-	-	-	-
TF	MATIV	N	-	-	228° (231.0°T)	12.3
TF	AMIKI	N	+7000	-	257° (259.7°T)	6.4

Procedure Description of RNAV 1 STAR RILAX 2A						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RILAX	N	-	-	-	-
TF	LAMAX	N	-	-	138° (140.6°T)	25.0
TF	AMIKI	N	+7000	-	114° (117.7°T)	6.1

2.4 Approach procedures:

REF: [ENR 1.5](#)

2.4.1 Initial call

The pilot shall report the ACFT type and the IDENT letter of the received ARR ATIS information on initial call to Zurich Arrival.

2.4.2 RNAV 1 Transitions to Final Approach

The 'RNAV 1 ARRIVAL TRANSITIONS TO FINAL APPROACH' start at the end of the STARs and guide the aircraft to the relevant final approach track of the published instrument approach procedures for the runways 28 or 34.

By utilizing these procedures, reduction in radio telephony communication is possible. The turn to final approach is usually performed by radar vectors to expedite traffic and for separation reasons.

The utilization of the procedure requires a clearance by ATC.

The procedures are at or above ATC surveillance minimum altitude and will be radar monitored.

The flight crew unable to fly RNAV 1 TRANSITIONS shall advise ATC on initial contact with APP by using the phraseology: '**UNABLE RNAV TRANSITION**'. ATC will then issue radar vectors to the final approach track of the relevant instrument approach.

2.4.3 Procedure description of RNAV 1 Transition to Final Approach RWY 28 (ILS-LOC, RNP)

(see chart LSZH 2.24.10.3 - 1)

From GIPOL						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	GIPOL	N	-	-	-	-
TF	ZH445	N	-	-	046° (049.4°T)	6.1
TF	ZH447	N	-	-	143° (146.0°T)	8.8
TF	ZH449	N	-	-	143° (146.1°T)	6.9
TF	ZH451	N	-	-	093° (095.8°T)	7.0
TF	ZH453	N	-	-	093° (096.0°T)	5.0
TF	ZH455	N	-	-	093° (096.1°T)	5.0
TF	ZH457	N	-	-	093° (096.1°T)	5.0
TF	ZH459	N	-	-	093° (096.2°T)	5.0
TF	ZH460	N	+7000	-	003° (006.3°T)	7.0
TF	ZH464	N	-	-	273° (276.4°T)	5.4
TF	RAMEM	N	+5000	-	273° (276.2°T)	4.0

From RILAX						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RILAX	N	-	-	-	-
TF	ZH446	N	+FL100	-	165° (168.1°T)	4.8
TF	ZH448	N	+FL080	-	165° (168.1°T)	3.6
TF	ZH450	N	-	-	165° (168.1°T)	3.9
TF	ZH452	N	-	-	165° (168.1°T)	3.9
TF	ZH454	N	-	-	126° (128.9°T)	11.7
TF	ZH456	N	-	-	093° (096.1°T)	5.0
TF	ZH458	N	-	-	093° (096.2°T)	5.0
TF	ZH460	N	+7000	-	183° (186.3°T)	7.0
TF	ZH464	N	-	-	273° (276.4°T)	5.4
TF	RAMEM	N	+5000	-	273° (276.2°T)	4.0

From AMIKI						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	AMIKI	N	-	-	-	-
TF	ZH382	N	-	-	312° (314.8°T)	17.4
TF	ZH450	N	-	-	248° (251.1°T)	6.7
TF	ZH452	N	-	-	165° (168.1°T)	3.9
TF	ZH454	N	-	-	126° (128.9°T)	11.7
TF	ZH456	N	-	-	093° (096.1°T)	5.0
TF	ZH458	N	-	-	093° (096.2°T)	5.0
TF	ZH460	N	+7000	-	183° (186.3°T)	7.0
TF	ZH464	N	-	-	273° (276.4°T)	5.4
TF	RAMEM	N	+5000	-	273° (276.2°T)	4.0

2.4.4 Procedure description of RNP RWY 28

(see chart LSZH AD 2.24.10.3 - 7)

From RAMEM						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RAMEM	N	+5000	-	-	-
TF	RW28	Y	-	-	274° (276.2°T)	10.1
TF	ZH705	Y	-	-	274° (276.0°T)	2.7
CF	ZH707	N	-	210	194° (196.0°T)	-
TF	ZH709	Y	-	-	242° (244.4°T)	12.2
CF	ZH711	N	-	-	329° (331.0°T)	-
TF	GIPOL	N	+7000	-	014° (015.7°T)	12.2

2.4.5 Procedure description of RNAV 1 Transition to Final Approach RWY 34 (ILS-LOC)

(see chart LSZH AD 2.24.10.4 - 1)

From GIPOL						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	GIPOL	N	-	-	-	-
TF	ZH479	N	+7000	-	046° (048.5°T)	10.9
TF	ZH481	N	-	-	152° (154.7°T)	6.0
TF	ZH483	N	-	-	152° (154.8°T)	6.0
TF	ZH485	N	-	-	152° (154.8°T)	6.0
TF	ZH487	N	-	-	152° (154.9°T)	6.0
TF	ZH489	N	-	-	152° (154.9°T)	6.0
TF	ZH490	N	-	-	062° (065.0°T)	7.0
TF	UTIXO	N	+6000	-	332° (335.0°T)	2.0
TF	MILNI	N	+5000	-	332° (335.3°T)	2.9

From RILAX						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RILAX	N	-	-	-	-
TF	ZH474	N	+FL100	-	185° (187.5°T)	4.7
TF	ZH476	N	-	-	185° (187.5°T)	2.8
TF	ZH478	N	+FL080	-	152° (155.1°T)	6.3
TF	ZH480	N	+7000	-	152° (155.0°T)	6.0
TF	ZH482	N	-	-	152° (155.0°T)	6.0
TF	ZH484	N	-	-	152° (155.1°T)	6.0
TF	ZH486	N	-	-	152° (155.1°T)	6.0
TF	ZH488	N	-	-	152° (155.2°T)	6.0
TF	ZH490	N	-	-	242° (245.2°T)	7.0
TF	UTIXO	N	+6000	-	332° (335.0°T)	2.0
TF	MILNI	N	+5000	-	332° (335.3°T)	2.9

From AMIKI						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	AMIKI	N	-	-	-	-
TF	ZH382	N	-	-	312° (314.8°T)	17.4
TF	ZH478	N	+FL080	-	243° (246.1°T)	7.9
TF	ZH480	N	+7000	-	152° (155.0°T)	6.0
TF	ZH482	N	-	-	152° (155.0°T)	6.0
TF	ZH484	N	-	-	152° (155.1°T)	6.0
TF	ZH486	N	-	-	152° (155.1°T)	6.0
TF	ZH488	N	-	-	152° (155.2°T)	6.0
TF	ZH490	N	-	-	242° (245.2°T)	7.0
TF	UTIXO	N	+6000	-	332° (335.0°T)	2.0
TF	MILNI	N	+5000	-	332° (335.3°T)	2.9

2.4.6 FREQ change

- When changing FREQ from Zurich Arrival to Zurich Final, initial contact shall be restricted to **Zurich Final & call sign**.
- When changing FREQ from Zurich Arrival or Zurich Final to Zurich TWR, initial contact shall be restricted to **Zurich TWR, call sign, type of APCH & RWY**.

2.4.7 Speed restrictions

Speed restrictions are applied for ATC separation purposes and are mandatory. In the event of a new (non-speed related) ATC clearance being issued (e.g. an instruction to descend on ILS/GLS), pilots shall CONT to maintain a previously allocated speed.

All speed restrictions are to be flown as accurately as possible. Pilots unable to comply with the given speeds shall inform ATC and state what speeds may be used.

2.4.8 Procedure description of RNAV Standard Initial APCH Segment to Final Approach RWY 14 (ILS-LOC)
(see chart LSZH AD 2.24.10.1 - 1 and LSZH AD 2.24.10.1 - 3)

From RILAX						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
-	RILAX	N	-	-	-	-
TF	EDUMI	N	+7000	-	190° (191.5°T)	11.1
TF	TRA	N	+5000	-	189° (191.5°T)	4.4
TF	ZH714	N	-	210	225° (227.1°T)	5.5
TF	OSNEM	N	+4000	-	135° (137.2°T)	3.9

2.4.9 Procedure description of GLS RWY 14 (see chart LSZH AD 2.24.10.1 - 5)

From GIPOL						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	GIPOL	N	+7000	230	-	-
TF	ZH713	N	+6000	210	053° (055.3°T)	9.5
TF	ZH714	N	-	-	064° (065.6°T)	4.6
TF	OSNEM	N	+4000	-	135° (137.2°T)	3.9

From AMIKI						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	AMIKI	N	-	230	-	-
TF	ZUE	N	+7000	-	275° (277.1°T)	9.0
TF	ZH701	N	+6000	-	289° (290.9°T)	6.5
TF	TRA	N	+5000	210	289° (290.7°T)	10.0
TF	ZH714	N	-	-	225° (227.1°T)	5.5
TF	OSNEM	N	+4000	-	135° (137.2°T)	3.9

From RILAX						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RILAX	N	-	-	-	-
TF	EDUMI	N	+7000	-	190° (191.5°T)	11.1
TF	TRA	N	+5000	210	190° (191.5°T)	4.4
TF	ZH714	N	-	-	225° (227.1°T)	5.5
TF	OSNEM	N	+4000	-	135° (137.2°T)	3.9

Missed approach after precision segment						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	ZH750	Y	-	-	-	-
DF	ZH751	N	-4000	210	-	-
TF	ZUE	N	-	-	053° (054.9°T)	3.7
TF	AMIKI	N	+7000	230	095° (096.9°T)	9.0

2.4.10 Procedure description of RNP RWY 14 (see chart LSZH AD 2.24.10.1 - 7)

From GIPOL						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	GIPOL	N	+7000	-	-	-
TF	ZH713	N	+6000	210	053° (055.3°T)	9.5
TF	ZH714	N	-	-	064° (065.6°T)	4.6
TF	OSNEM	N	+4000	-	135° (137.2°T)	3.9
TF	RW14	Y	-	-	135° (137.1°T)	8.0
DF	ZH750	Y	-	-	135° (137.1°T)	5.3
DF	ZH752	N	-4000	210	-	-
TF	ZH751	N	-	-	014° (015.7°T)	4.6
TF	ZUE	N	+6000	-	053° (054.9°T)	3.7
TF	AMIKI	N	+7000	230	095° (096.9°T)	9.0

From AMIKI						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	AMIKI	N	-	-	-	-
TF	ZUE	N	+7000	-	275° (277.1°T)	9.0
TF	ZH701	N	+6000	-	289° (290.9°T)	6.5
TF	TRA	N	+5000	210	289° (290.7°T)	10.0
TF	ZH714	N	-	-	225° (227.1°T)	5.5
TF	OSNEM	N	+4000	-	135° (137.2°T)	3.9
TF	RW14	Y	-	-	135° (137.1°T)	8.0
DF	ZH750	Y	-	-	135° (137.1°T)	5.3
DF	ZH752	N	-4000	210	-	-
TF	ZH751	N	-	-	014° (015.7°T)	4.6
TF	ZUE	N	+6000	-	053° (054.9°T)	3.7
TF	AMIKI	N	+7000	230	095° (096.9°T)	9.0

From RILAX						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
IF	RILAX	N	-	-	-	-
TF	EDUMI	N	+7000	-	190° (191.5°T)	11.1
TF	TRA	N	+5000	210	190° (191.5°T)	4.4
TF	ZH714	N	-	-	225° (227.1°T)	5.5
TF	OSNEM	N	+4000	-	135° (137.2°T)	3.9
TF	RW14	Y	-	-	135° (137.1°T)	8.0
DF	ZH750	Y	-	-	135° (137.1°T)	5.3
DF	ZH752	N	-4000	210	-	-
TF	ZH751	N	-	-	014° (015.7°T)	4.6
TF	ZUE	N	+6000	-	053° (054.9°T)	3.7
TF	AMIKI	N	+7000	230	095° (096.9°T)	9.0

CTN: Step down fix at 3.5 NM to RW14 not to be coded as WPT.

2.4.11 Procedure description of RNAV 1 Standard Initial APCH Segment to Final Approach RWY 16 (ILS-LOC)

(see chart LSZH AD 2.24.10.2 - 1 and LSZH AD 2.24.10.2 - 3)

From RILAX						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
-	RILAX	N	-	-	-	-
TF	EDUMI	N	+7000	-	190° (191.5°T)	11.1
TF	TRA	N	+5000	-	189° (191.5°T)	4.4
TF	ZH706	N	-	210	189° (191.5°T)	3.0
TF	ENUSO	N	+4000	-	153° (154.9°T)	2.9

2.4.12 Procedure description of RNAV 1 Standard Initial APCH Segment to Final Approach RWY 28 (ILS-LOC, VOR)
(see chart LSZH AD 2.24.10.3 - 3, LSZH AD 2.24.10.3 - 5 and LSZH AD 2.24.10.3 - 9)

From RILAX						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
-	RILAX	N	-	-	-	-
TF	EDUMI	N	+7000	-	190° (191.5°T)	11.1
TF	TRA	N	-	-	189° (191.5°T)	4.4
TF	KLO	N	+6000	-	160° (162.4°T)	14.6

2.4.13 Procedure description of RNAV 1 Standard Initial APCH Segment to Final Approach RWY 34 (ILS-LOC, VOR)
(see chart LSZH AD 2.24.10.4 - 3, LSZH AD 2.24.10.4 - 5 and LSZH AD 2.24.10.4 - 7)

From RILAX						
Path terminator	Waypoint	Flyover	Altitude (ft)	Speed limit (kt)	Track	Distance (NM)
-	RILAX	N	-	-	-	-
TF	EDUMI	N	-	-	190° (191.5°T)	11.1
TF	TRA	N	-	-	189° (191.5°T)	4.4
TF	KLO	N	+7000	-	160° (162.4°T)	14.6

2.4.14 ILS category III

The CAT III ILS (RWY 14 and 16) and the associated equipment are in compliance with ICAO SARPS. Details are given in [LSZH AD 2.19](#) and IAC.

2.4.15 Visual approach

Visual APCHs are AVBL at LSZH on the grounds of safety only (for example, to avoid adverse weather, such as TS/CB).

2.5 Land and Hold Short Operation RWY 28 (secondary intersecting RWY)

2.5.1 Introduction

The land and hold short operation allows VFR APCHs with admitted ACFT types and in compliance with defined conditions on RWY 28 (SRY intersecting RWY) with simultaneous IFR APCHs and DEPs on RWY 16/34 (PRI intersecting RWY).

2.5.2 Admitted ACFT

- All single-engine ACFT up to 5700 kg MTOM

2.6 ICAO Code Letter F Flight Operations

For ICAO Code letter F ground operations, refer to [LSZH AD 2.20](#) § 3.4 and chart [LSZH AD 2.24.3](#) - 5.

2.6.1 Arrival

APCH via ILS RWY 14 CAT I, II & III, GLS RWY 14, ILS RWY 16 CAT I, II & III, ILS RWY 34 CAT I or ILS RWY 28 UNCAT. Other RWYs are not AVBL for LDG.

2.6.2 Departure

DEP from RWY 16, RWY 32 or RWY 34. Other RWYs are not AVBL for DEP.

All published SID on the mentioned RWYs are applicable, refer to [LSZH AD 2.22](#) § 1.

3. JAA minima for Zurich AP

TKOF RWY 16, 28, 32, 34 ¹⁾					
Low Visibility Procedures must be in force					
	REDL, CL LGT and multiple RVR required	REDL and CL LGT	RCL markings (day only) or REDL	RCL markings (day only) or REDL	NIL (day only)
A	150 m ^{2) 4)}	200 m	250 m	400 m	500 m
B			300 m		600 m
C			400 m		800 m
D	200 m ^{3) 4)}	250 m			

1. Take-off RWY 14 is subject to activation by Airport Authority
 2. 125 m provided the conditions under Appendix 1 to JAR-OPS 1.430 (a) (4) (i), (A) to (E) are met
 3. 150 m provided the conditions under Appendix 1 to JAR-OPS 1.430 (a) (4) (i), (A) to (E) are met
 4. 75 m provided the conditions under Appendix 1 to JAR-OPS 1.430 (a) (4) (i), (A) to (E) are met and the ACFT has an APV lateral guidance system for TKOF

Take-off RWY 10		
	RCL markings (day only) or REDL	NIL (day only)
A	400 m	500 m
B		600 m
C		800 m
D		

4. Minima for IFR departures (TKOF minima)

RWY	ACFT CAT	Vis (m) / Ceiling (ft AGL)			RMK
		No LGT AVBL	REDL or RCLL AVBL	REDL and RCLL AVBL	
10	A	500/---	400/---	400/---	Due to LIL
	B	600/---	400/---	400/---	
	C	600/---	400/---	400/---	
	D	800/---	400/---	400/---	
All EXC 10	A	500/---	250/---	150/---	
	B	600/---	300/---	150/---	
	C	600/---	300/---	150/---	
	D	800/---	400/---	200/---	

LSZH AD 2.23 ADDITIONAL INFORMATION

1. List of significant points (Terminal)

NAV point	COORD WGS84		Purpose
	LAT	LONG	
1	2		3
AFOLT	N 47 14 11.2	E 008 27 38.2	SID LSZH
BREGO	N 47 23 22.8	E 008 20 46.5	SID LSZH
EGABI	N 47 18 26	E 008 39 49	IAC LSZH
ENUSO	N 47 35 47.1	E 008 27 09.2	IAC / RNAV Transition LSZH
ERMUS	N 47 13 56	E 008 14 41	STAR LSZH
KOLUL	N 47 28 02	E 008 49 22	SID LSZH
LAMAX	N 47 37 14	E 008 54 14	STAR LSZH
MANID	N 47 16 03	E 008 41 41	IAC LSZH
MILNI	N 47 17 47.0	E 008 39 33.0	IAC / RNAV Transition LSZH
MOMOL	N 47 27 42	E 008 40 16	SID LSZH
NOLKA	N 47 08 53	E 008 07 34	STAR LSZH
OSNEM	N 47 34 46.9	E 008 24 08.7	IAC / RNAV Transition LSZH
RAMEM	N 47 26 19.7	E 008 49 00.5	IAC / RNAV Transition LSZH
TADOB	N 47 10 59	E 008 05 23	STAR LSZH
UTIXO	N 47 15 09.0	E 008 41 20.0	IAC / RNAV Transition LSZH
ZH382	N 47 46 40.0	E 008 43 55.0	RNAV Transition
ZH445	N 47 34 14.9	E 008 09 14.6	RNAV Transition
ZH446	N 47 51 52.0	E 008 32 17.6	RNAV Transition
ZH447	N 47 26 56.8	E 008 16 29.7	RNAV Transition
ZH448	N 47 48 18.2	E 008 33 24.5	RNAV Transition
ZH449	N 47 21 12.4	E 008 22 10.1	RNAV Transition
ZH450	N 47 44 30.5	E 008 34 35.6	RNAV Transition
ZH451	N 47 20 29.2	E 008 32 24.4	RNAV Transition
ZH452	N 47 40 41.7	E 008 35 46.9	RNAV Transition
ZH453	N 47 19 57.8	E 008 39 43.1	RNAV Transition
ZH454	N 47 33 20.3	E 008 49 14.2	RNAV Transition
ZH455	N 47 19 26.0	E 008 47 01.6	RNAV Transition
ZH456	N 47 32 48.0	E 008 56 34.5	RNAV Transition
ZH457	N 47 18 53.6	E 008 54 20.0	RNAV Transition
ZH458	N 47 32 15.3	E 009 03 54.7	RNAV Transition
ZH459	N 47 18 20.9	E 009 01 38.2	RNAV Transition

NAV point	COORD WGS84		Purpose
	LAT	LONG	
1	2		3
ZH460	N 47 25 18.2	E 009 02 46.3	RNAV Transition
ZH464	N 47 25 53.5	E 008 54 56.3	RNAV Transition
ZH474	N 47 51 55.2	E 008 29 54.1	RNAV Transition
ZH476	N 47 49 08.3	E 008 29 21.4	RNAV Transition
ZH478	N 47 43 28.5	E 008 33 15.6	RNAV Transition
ZH479	N 47 37 31.8	E 008 14 30.5	RNAV Transition
ZH480	N 47 38 02.4	E 008 37 00.8	RNAV Transition
ZH481	N 47 32 06.5	E 008 18 17.1	RNAV Transition
ZH482	N 47 32 36.2	E 008 40 45.2	RNAV Transition
ZH483	N 47 26 40.9	E 008 22 03.0	RNAV Transition
ZH484	N 47 27 09.9	E 008 44 28.8	RNAV Transition
ZH485	N 47 21 15.2	E 008 25 48.1	RNAV Transition
ZH486	N 47 21 43.5	E 008 48 11.7	RNAV Transition
ZH487	N 47 15 49.4	E 008 29 32.4	RNAV Transition
ZH488	N 47 16 17.1	E 008 51 53.7	RNAV Transition
ZH489	N 47 10 23.4	E 008 33 16.1	RNAV Transition
ZH490	N 47 13 20.6	E 008 42 34.4	RNAV Transition
ZH501	N 47 27 25.7	E 008 32 44.1	RNAV SID / RNAV STAR LSZH
ZH502	N 47 27 54.8	E 008 45 58.8	RNAV SID / NON RNAV SID LSZH
ZH503	N 47 34 30.0	E 008 42 35.0	RNAV SID LSZH
ZH504	N 47 27 23.0	E 008 53 49.0	RNAV SID LSZH
ZH506	N 47 30 26.0	E 008 46 51.0	RNAV SID LSZH
ZH520	N 47 27 16.9	E 008 35 49.4	SID LSZH
ZH521	N 47 27 39.6	E 008 38 58.9	SID LSZH
ZH523	N 47 29 03.3	E 008 32 44.1	SID LSZH
ZH525	N 47 26 24.4	E 009 00 39.9	RNAV SID LSZH
ZH526	N 47 15 33.4	E 008 37 15.5	RNAV SID LSZH
ZH530	N 47 26 34.7	E 008 33 30.6	SID / RNAV SID LSZH
ZH531	N 47 28 14.2	E 008 36 24.8	SID / RNAV SID LSZH
ZH533	N 47 27 58.8	E 008 32 43.8	SID / RNAV SID LSZH
ZH540	N 47 27 44.4	E 008 29 22.5	SID / RNAV SID LSZH
ZH541	N 47 26 19.3	E 008 26 41.6	SID / RNAV SID LSZH
ZH542	N 47 26 40.5	E 008 27 42.7	SID / RNAV SID LSZH
ZH544	N 47 27 03.8	E 008 27 34.9	SID / RNAV SID LSZH
ZH545	N 47 26 31.9	E 008 29 11.4	SID LSZH
ZH546	N 47 25 56.7	E 008 26 10.3	SID / RNAV SID LSZH
ZH547	N 47 28 21.0	E 008 23 41.5	SID LSZH
ZH548	N 47 27 16.3	E 008 27 46.3	SID / RNAV SID LSZH

NAV point	COORD WGS84		Purpose
	LAT	LONG	
1	2		3
ZH551	N 47 18 08.0	E 008 10 00.0	NON RNAV SID LSZH
ZH552	N 47 25 44.0	E 008 23 30.0	SID / RNAV SID LSZH
ZH553	N 47 24 46.4	E 008 27 21.4	SID LSZH
ZH554	N 47 21 18.3	E 008 14 55.5	RNAV SID LSZH
ZH555	N 47 20 48.8	E 008 15 40.6	NON RNAV SID LSZH
ZH556	N 47 20 18.0	E 008 23 05.0	RNAV SID LSZH
ZH557	N 47 18 47.0	E 008 24 13.0	RNAV SID LSZH
ZH558	N 47 19 05.0	E 008 08 41.0	RNAV SID LSZH
ZH559	N 47 31 01.5	E 008 23 04.8	RNAV SID LSZH
ZH568	N 47 27 26.6	E 008 25 37.6	RNAV SID LSZH
ZH569	N 47 31 14.0	E 008 23 40.2	RNAV SID LSZH
ZH570	N 47 31 04.8	E 008 30 20.1	RNAV SID LSZH
ZH571	N 47 33 20.6	E 008 35 21.8	SID / RNAV SID LSZH
ZH573	N 47 32 03.0	E 008 26 12.0	RNAV SID LSZH
ZH577	N 47 31 05.5	E 008 23 17.0	RNAV SID LSZH
ZH578	N 47 30 09.7	E 008 27 33.0	RNAV SID LSZH (RF arc centre)
ZH579	N 47 29 32.9	E 008 31 18.9	SID LSZH
ZH580	N 47 30 57.2	E 008 30 07.4	SID LSZH
ZH627	N 47 22 20.7	E 008 37 13.7	RNAV STAR LSZH
ZH628	N 47 16 09.1	E 008 41 28.0	RNAV STAR LSZH
ZH677	N 47 34 38.0	E 007 44 13.0	STAR / RNAV STAR LSZH
ZH701	N 47 37 51.0	E 008 40 04.0	IAC LSZH
ZH703	N 47 29 06.4	E 008 56 11.4	IAC LSZH
ZH704	N 47 38 48.7	E 008 25 13.9	IAC LSZH
ZH705	N 47 27 40.3	E 008 30 19.5	IAC LSZH
ZH706	N 47 38 24.8	E 008 25 19.8	IAC LSZH
ZH707	N 47 20 20.6	E 008 23 38.0	IAC LSZH
ZH709	N 47 15 04.1	E 008 07 33.2	IAC LSZH
ZH711	N 47 18 35.5	E 007 57 36.0	IAC LSZH
ZH712	N 47 36 01.4	E 008 21 24.5	IAC LSZH
ZH713	N 47 35 43.1	E 008 14 01.3	IAC LSZH
ZH714	N 47 37 37.5	E 008 20 15.1	IAC LSZH
ZH725	N 47 15 11.5	E 008 47 53.1	VOR/DME APCH 34 LSZH
ZH726	N 47 14 50.4	E 008 47 14.9	ILS/DME APCH 34 LSZH
ZH750	N 47 25 02.9	E 008 37 28.1	IAC LSZH
ZH751	N 47 33 23.7	E 008 44 34.4	IAC LSZH
ZH752	N 47 29 00.6	E 008 42 45.0	IAC LSZH

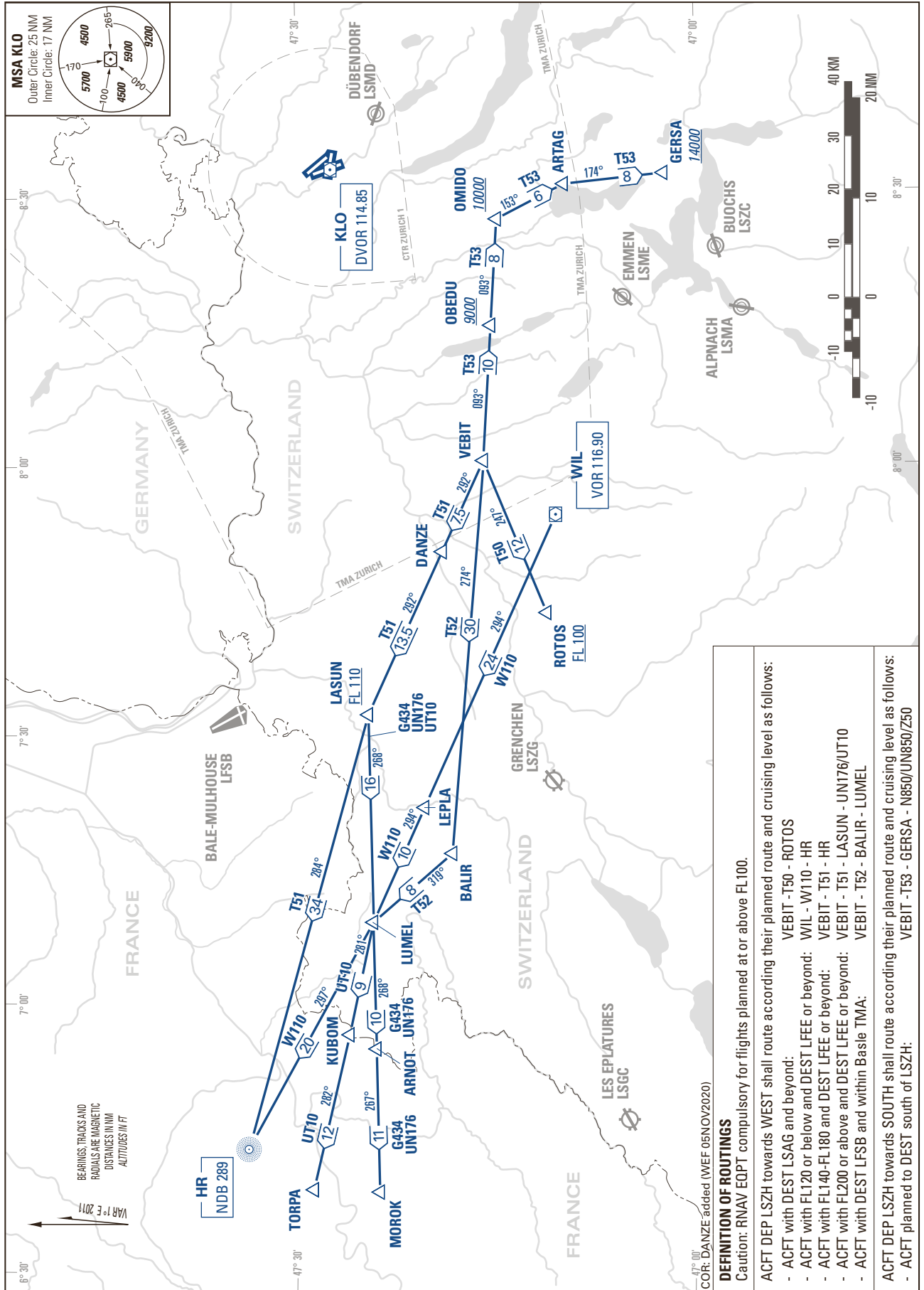
LSZH AD 2.24 CHARTS RELATED TO AN AERODROME

Name	Page
Aerodrome Chart	LSZH AD 2.24.1 - 1
Aerodrome Ground Movement Chart - South	LSZH AD 2.24.3 - 1
Aerodrome Ground Movement Chart - North	LSZH AD 2.24.3 - 3
Aerodrome Ground Movement Chart - ICAO Code Letter F OPS	LSZH AD 2.24.3 - 5
Aerodrome Obstacle Chart - Type A - RWY 10	LSZH AD 2.24.4 - 1
Aerodrome Obstacle Chart - Type A - RWY 28	LSZH AD 2.24.4 - 3
Aerodrome Obstacle Chart - Type A - RWY 14	LSZH AD 2.24.4 - 5
Aerodrome Obstacle Chart - Type A - RWY 32	LSZH AD 2.24.4 - 7
Aerodrome Obstacle Chart - Type A - RWY 16	LSZH AD 2.24.4 - 9
Aerodrome Obstacle Chart - Type A - RWY 34	LSZH AD 2.24.4 - 11
Precision Approach Terrain Chart - RWY 16	LSZH AD 2.24.5 - 1
Precision Approach Terrain Chart - RWY 14	LSZH AD 2.24.5 - 3
Area Chart - Transition Routes (VEBIT)	LSZH AD 2.24.6 - 1
Area Chart - Transit Routes (TMA)	LSZH AD 2.24.6 - 3
SID RWY 10 - RNAV 1	LSZH AD 2.24.7.1 - 1
SID RWY 10 - RNAV 5	LSZH AD 2.24.7.1 - 3
SID RWY 10 - RNAV 1 (by ATC only)	LSZH AD 2.24.7.1 - 5
SID RWY 10 - NON RNAV	LSZH AD 2.24.7.1 - 7
SID RWY 16 - RNAV 1	LSZH AD 2.24.7.2 - 1
SID RWY 16 - RNAV 5	LSZH AD 2.24.7.2 - 3
SID RWY 16 - RNAV 1 (by ATC only)	LSZH AD 2.24.7.2 - 5
SID RWY 16 - NON RNAV	LSZH AD 2.24.7.2 - 7
SID RWY 28 - RNAV 5	LSZH AD 2.24.7.3 - 1
SID RWY 28 - RNP 1 (DEGES) (RF required) (by ATC only)	LSZH AD 2.24.7.3 - 3
SID RWY 28 - RNP 1 (VEBIT) (RF required) (by ATC only)	LSZH AD 2.24.7.3 - 5
SID RWY 28 - RNAV 1 (by ATC only)	LSZH AD 2.24.7.3 - 7
SID RWY 28 - NON RNAV	LSZH AD 2.24.7.3 - 9
SID RWY 32 - RNAV 1	LSZH AD 2.24.7.4 - 1
SID RWY 32 - RNAV 5	LSZH AD 2.24.7.4 - 3
SID RWY 32 - RNAV 1 (by ATC only)	LSZH AD 2.24.7.4 - 5
SID RWY 32 - NON RNAV	LSZH AD 2.24.7.4 - 7
SID RWY 34 - RNP 1	LSZH AD 2.24.7.5 - 1
SID RWY 34 - RNAV 1	LSZH AD 2.24.7.5 - 3
SID RWY 34 - RNAV 5	LSZH AD 2.24.7.5 - 5
SID RWY 34 - RNAV 1 (by ATC only)	LSZH AD 2.24.7.5 - 7
SID RWY 34 - NON RNAV	LSZH AD 2.24.7.5 - 9
SID Straight Ahead and Turn RWY 10, 16, 28, 34	LSZH AD 2.24.7.6 - 1
STAR TO GIPOL - RNAV 1	LSZH AD 2.24.9.1 - 1
STAR TO GIPOL - NON RNAV	LSZH AD 2.24.9.2 - 1
STAR TO AMIKI - RNAV 1	LSZH AD 2.24.9.3 - 1
IAC ILS RWY 14 CAT II & III	LSZH AD 2.24.10.1 - 1
IAC LOC RWY 14	LSZH AD 2.24.10.1 - 3
IAC GLS RWY 14	LSZH AD 2.24.10.1 - 5
IAC RNP RWY 14	LSZH AD 2.24.10.1 - 7
IAC ILS RWY 16 CAT II & III	LSZH AD 2.24.10.2 - 1
IAC LOC RWY 16	LSZH AD 2.24.10.2 - 3
IAC VOR RWY 16	LSZH AD 2.24.10.2 - 5
RNAV Transition to Final Approach RWY 28	LSZH AD 2.24.10.3 - 1
IAC ILS RWY 28	LSZH AD 2.24.10.3 - 3
IAC LOC RWY 28	LSZH AD 2.24.10.3 - 5
IAC RNP RWY 28	LSZH AD 2.24.10.3 - 7
IAC VOR RWY 28	LSZH AD 2.24.10.3 - 9
RNAV Transition to Final Approach RWY 34	LSZH AD 2.24.10.4 - 1
IAC ILS RWY 34	LSZH AD 2.24.10.4 - 3

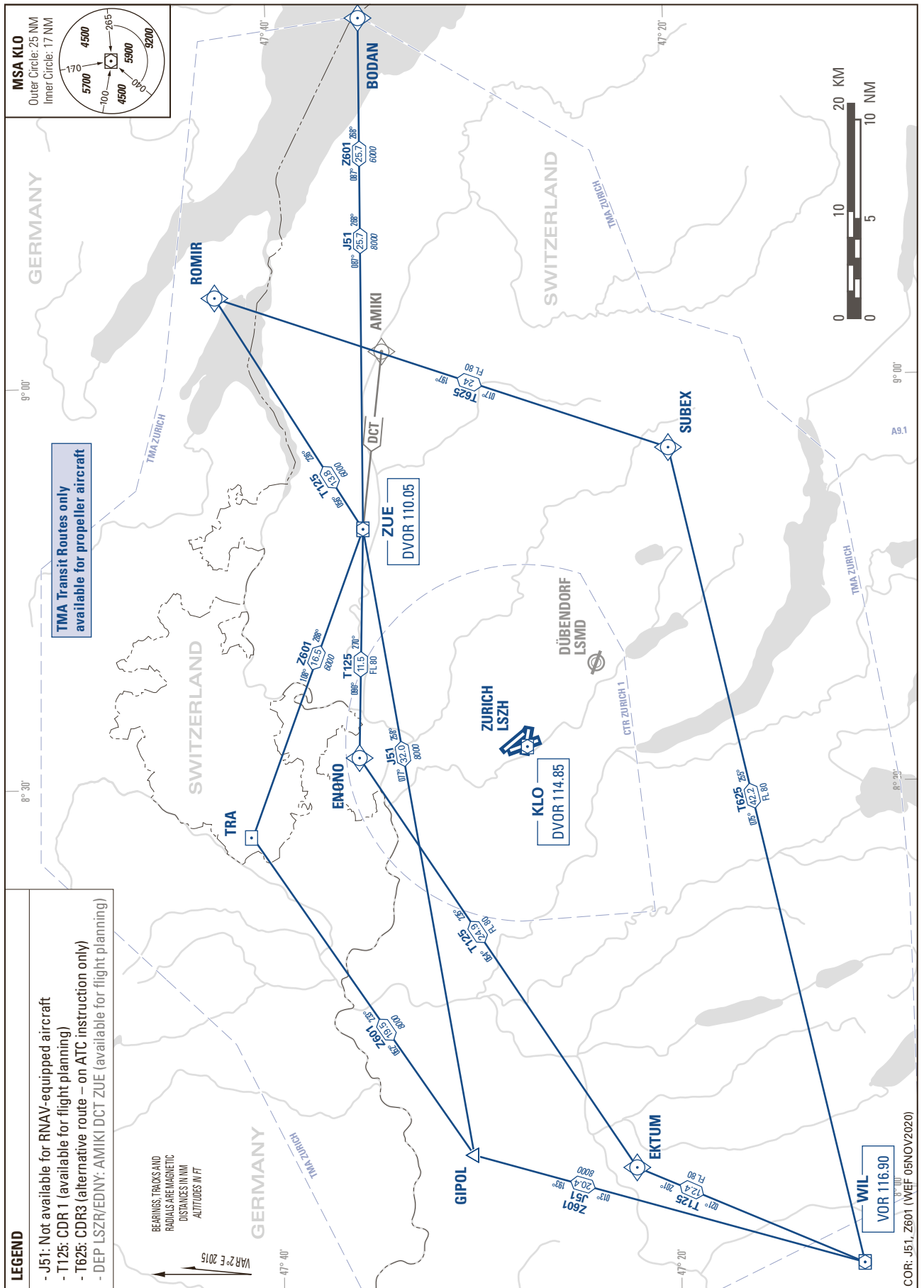
Name	Page
IAC LOC RWY 34	LSZH AD 2.24.10.4 - 5
IAC VOR RWY 34	LSZH AD 2.24.10.4 - 7
ATC Surveillance Minimum Altitude Chart	LSZH AD 2.24.13 - 1

TRANSITION AFTER DEPARTURE ROUTES VEBIT

ZURICH



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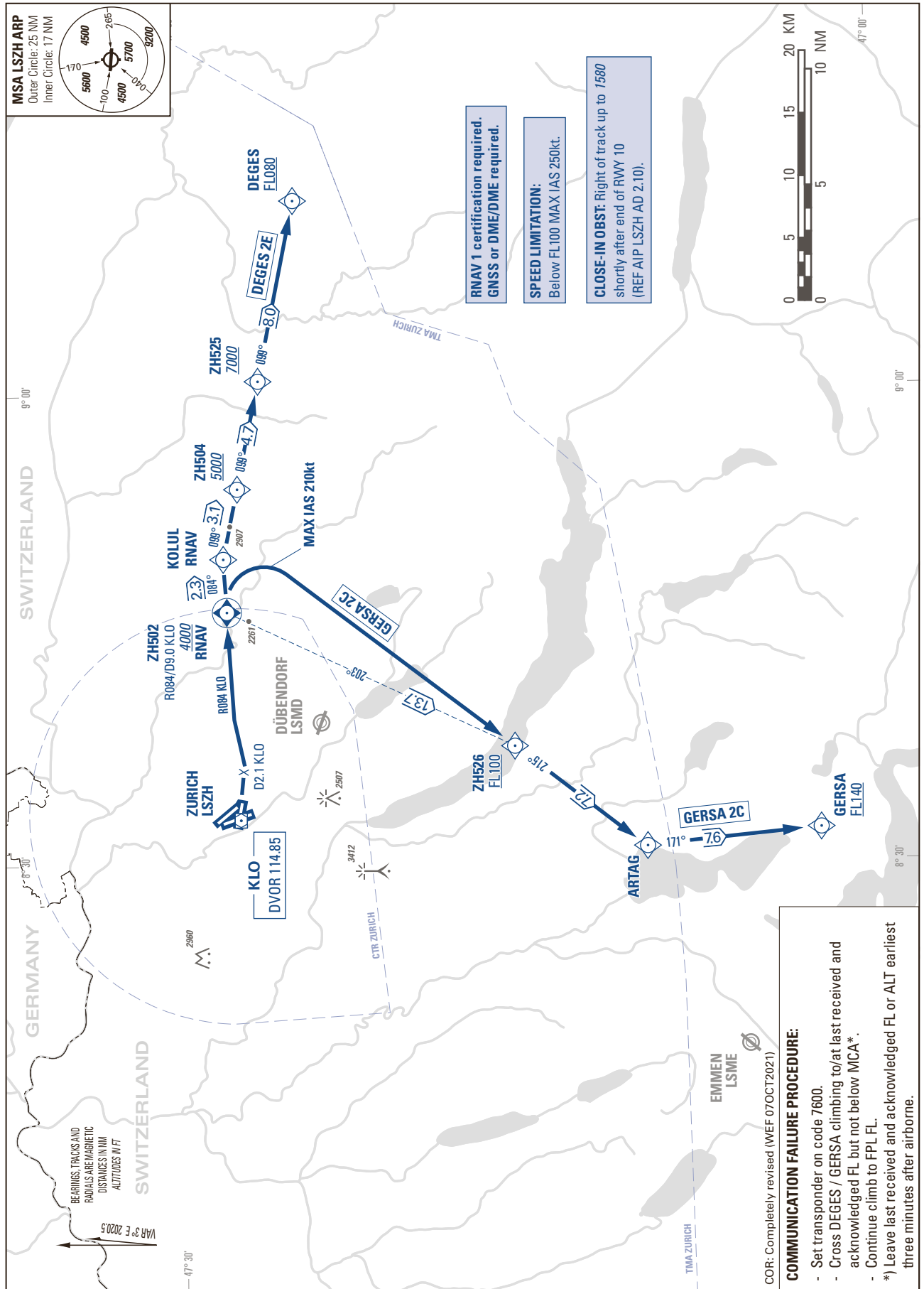


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STANDARD INSTRUMENT DEPARTURE CHART
(SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
SID RWY 10 - RNAV 1

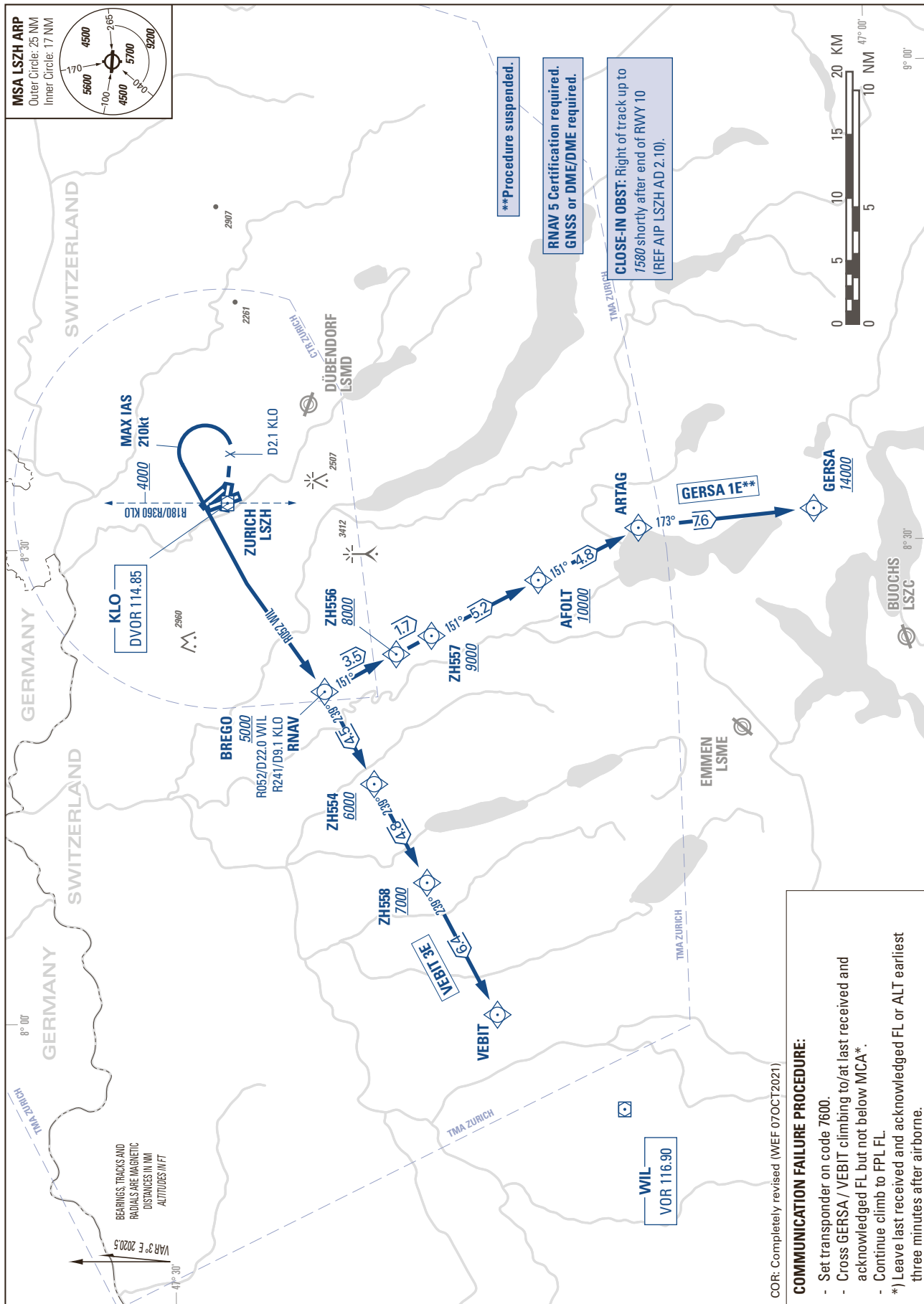


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TRANSITION ALTITUDE 7000

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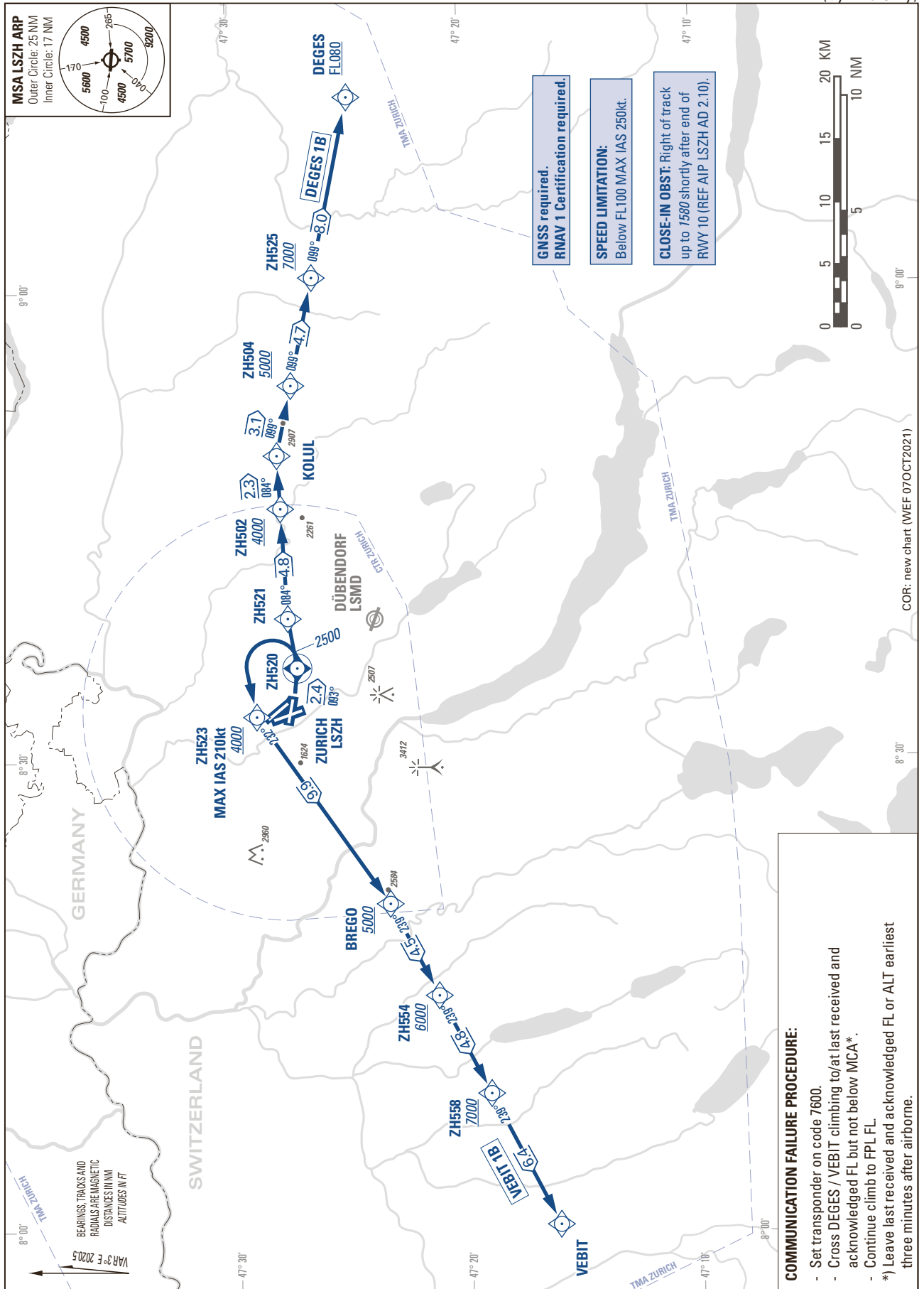


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STANDARD INSTRUMENT DEPARTURE CHART
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TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH - LSZH
SID RWY 10 - RNAV 1
(by ATC only)

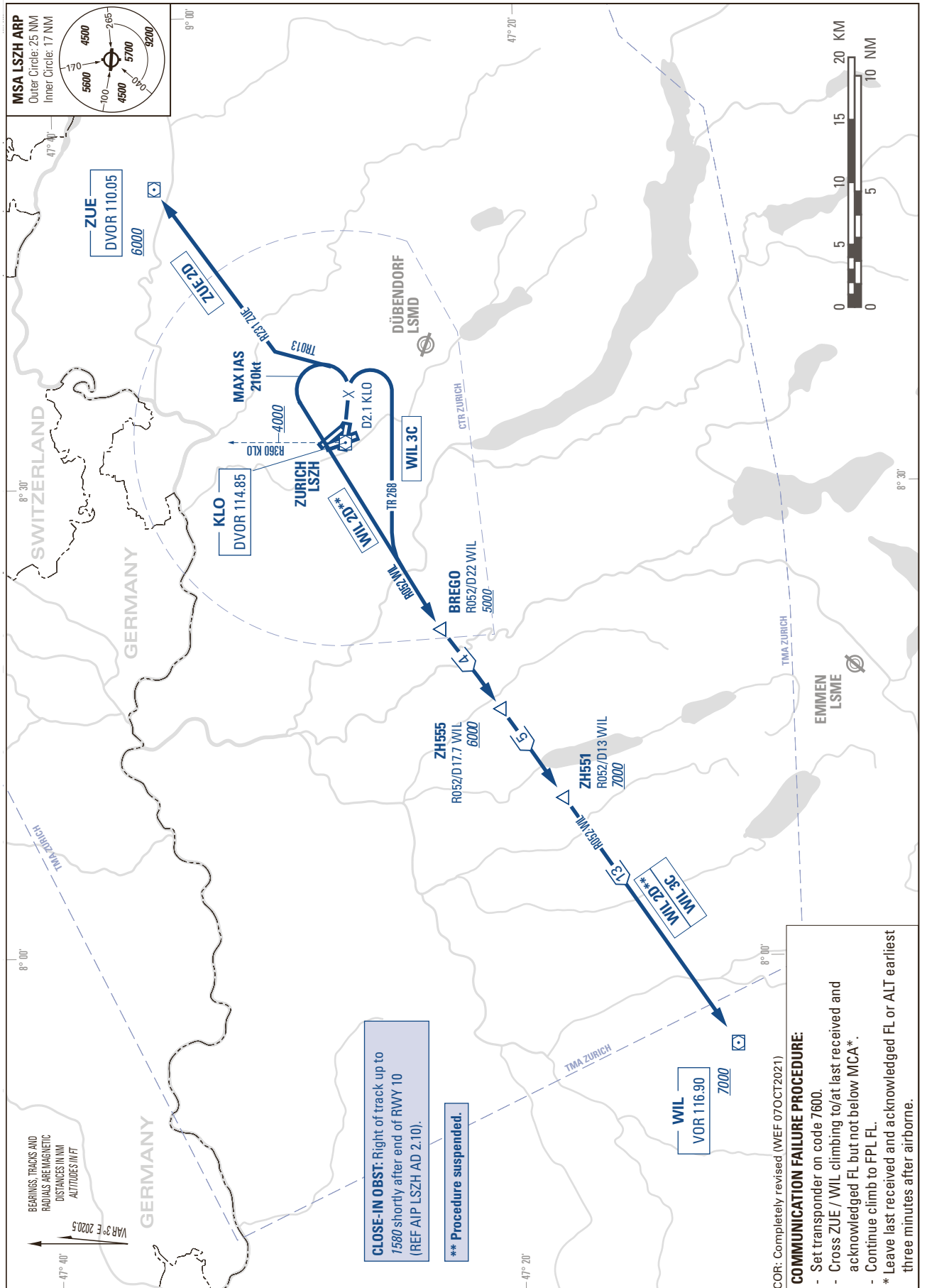


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STANDARD INSTRUMENT DEPARTURE CHART
(SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
SID RWY 10 - NON RNAV



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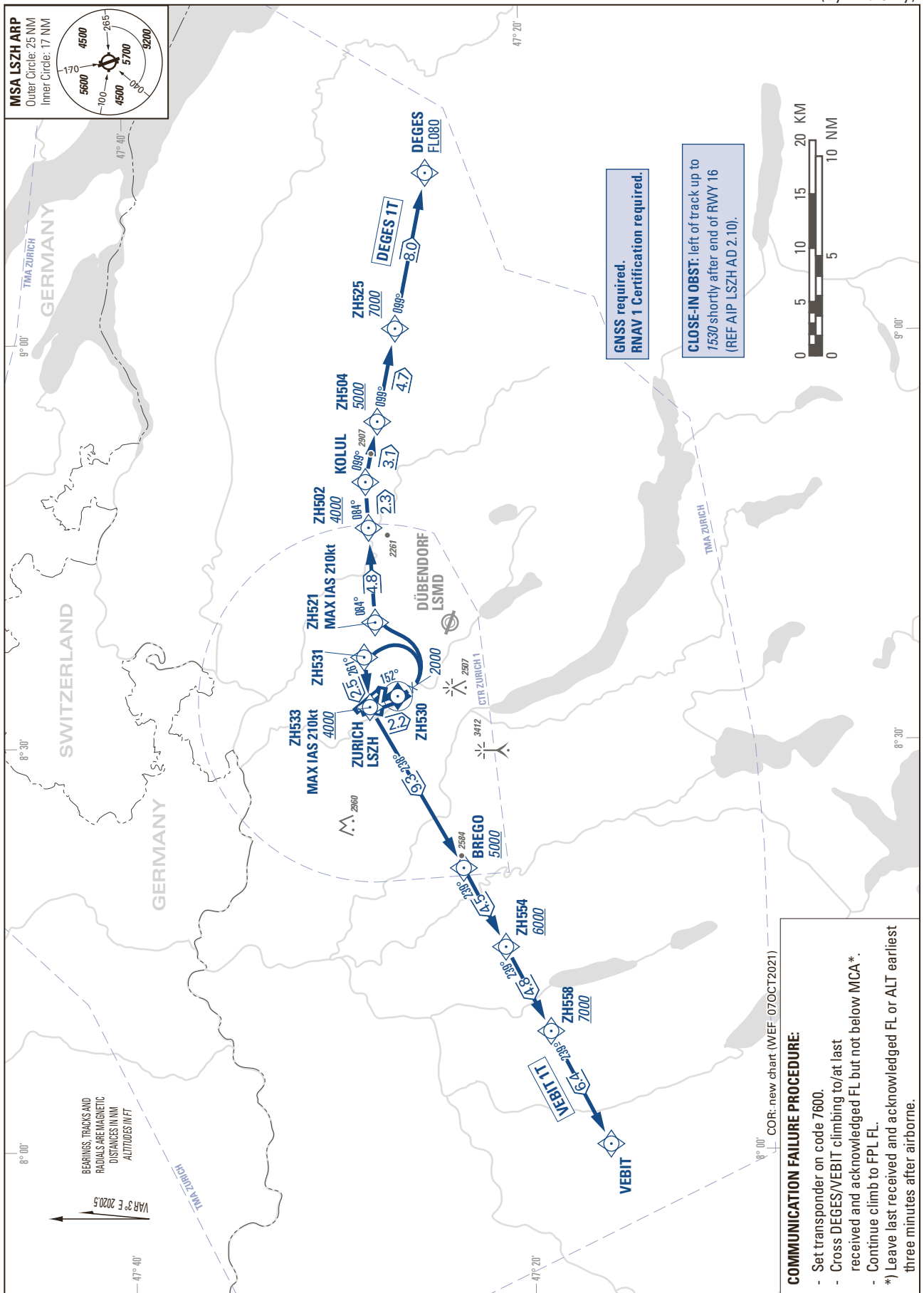
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STANDARD INSTRUMENT DEPARTURE CHART
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TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
SID RWY 16 - RNAV 1
(by ATC only)

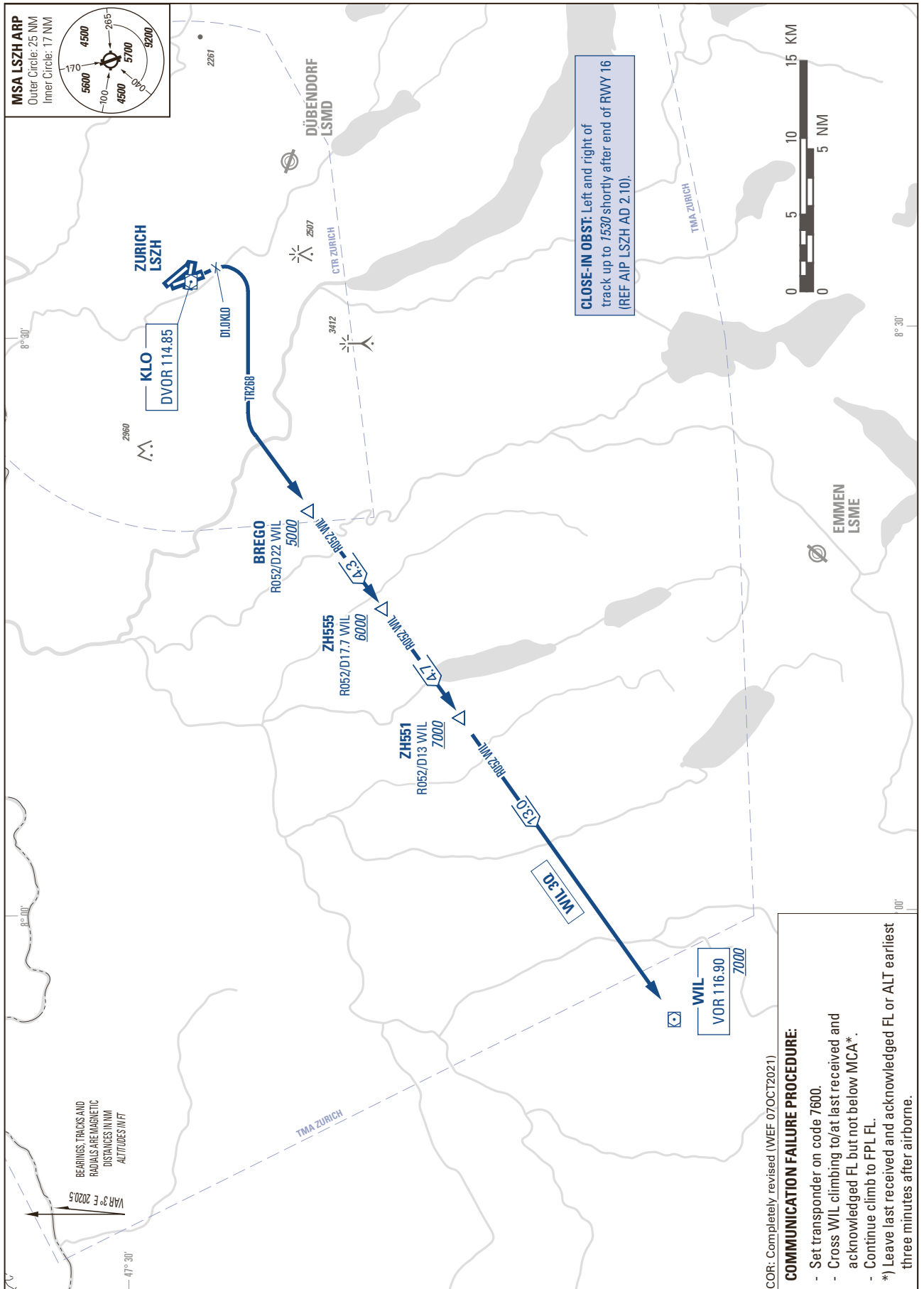


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TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
SID RWY 16 - NON RNAV

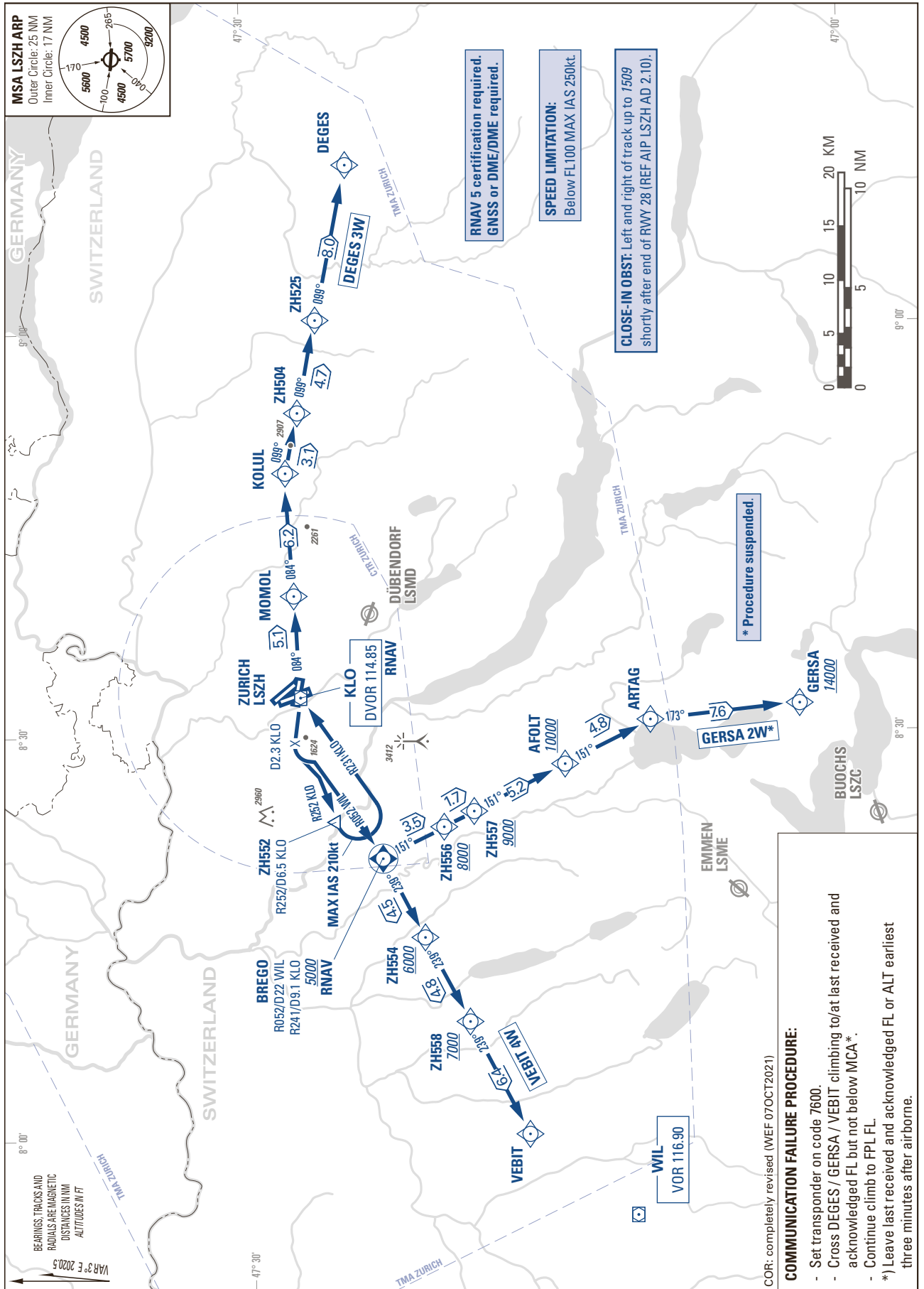


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STANDARD INSTRUMENT DEPARTURE CHART
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TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH - LSZH
SID RWY 28 - RNAV 5

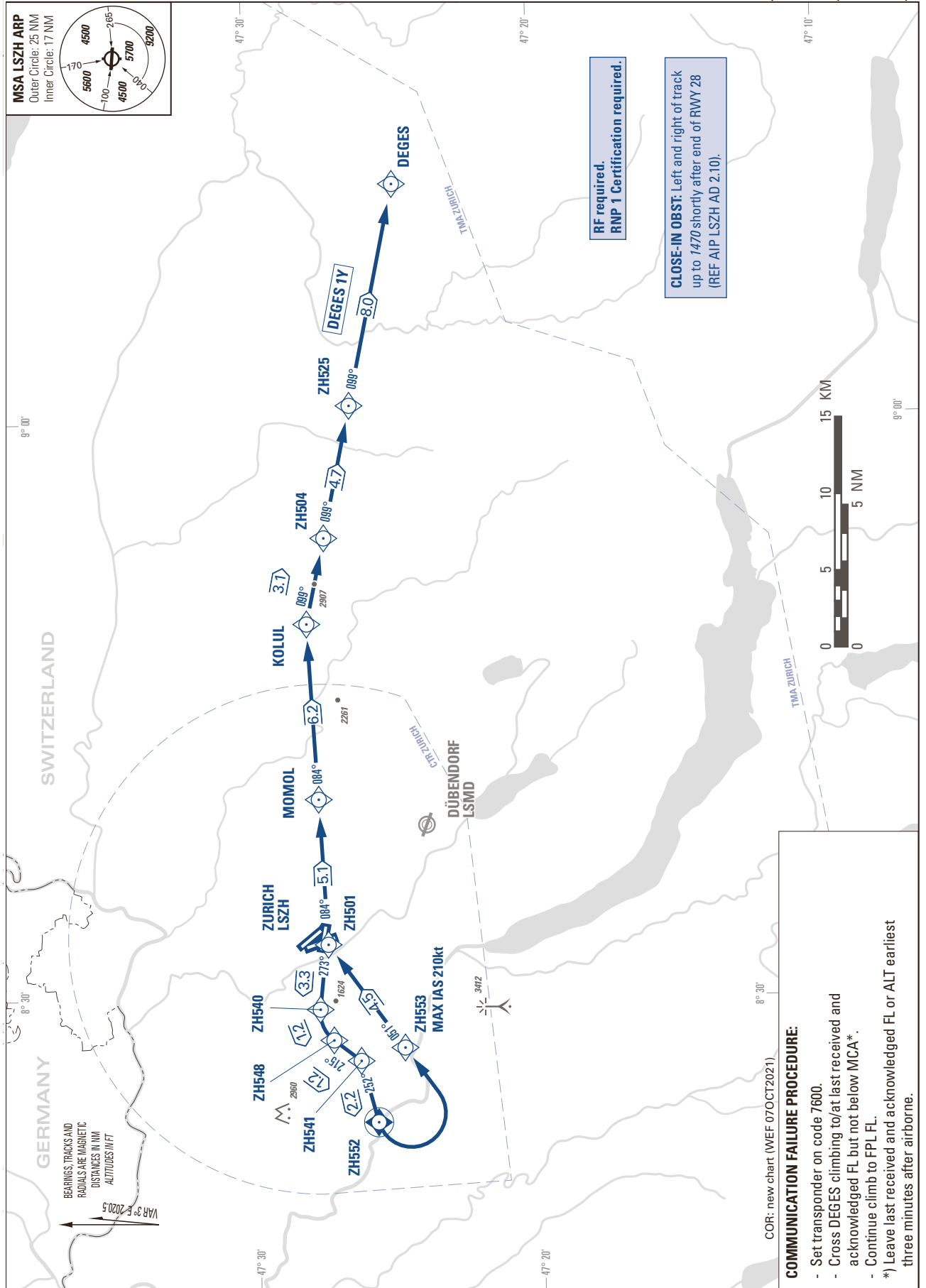


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STANDARD INSTRUMENT DEPARTURE CHART
(SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH - LSZH
SID RWY 28 - RNP 1 (DEGES)
(RF required) (by ATC only)

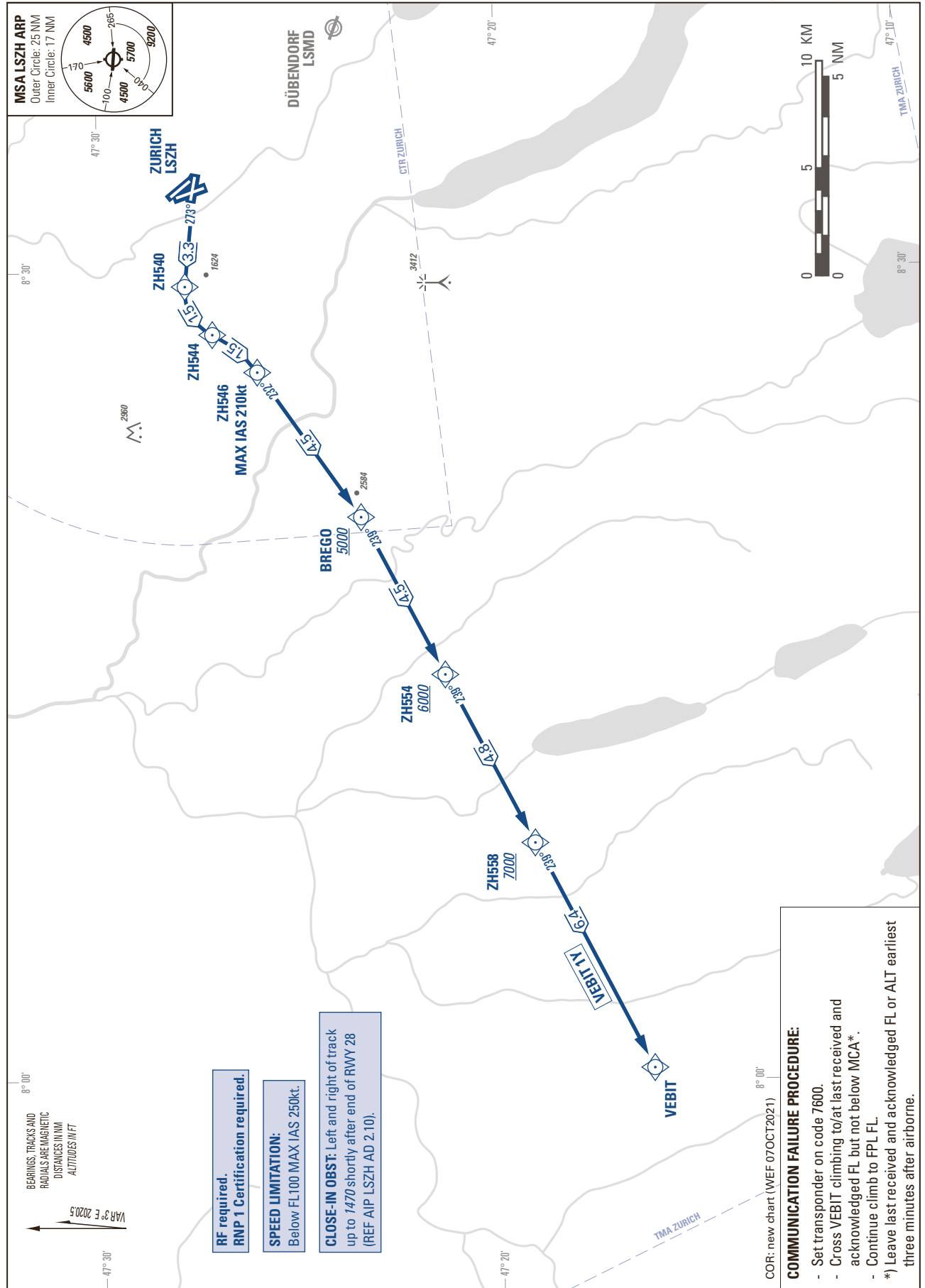


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STANDARD INSTRUMENT DEPARTURE CHART
(SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH - LSZH
SID RWY 28 - RNP 1 (VEBIT)
(RF required) (by ATC only)

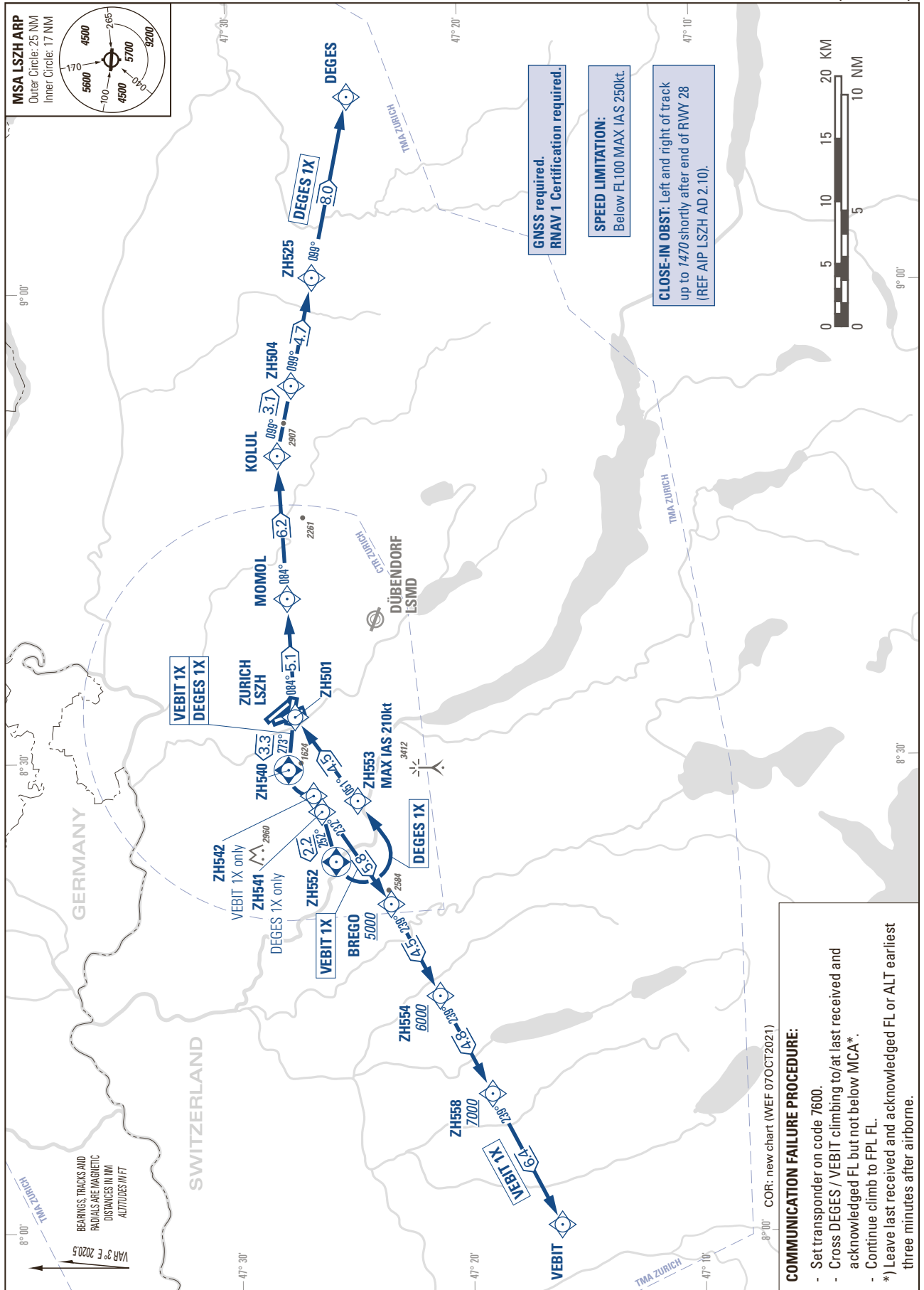


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STANDARD INSTRUMENT DEPARTURE CHART
(SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH - LSZH
SID RWY 28 - RNAV 1
(by ATC only)

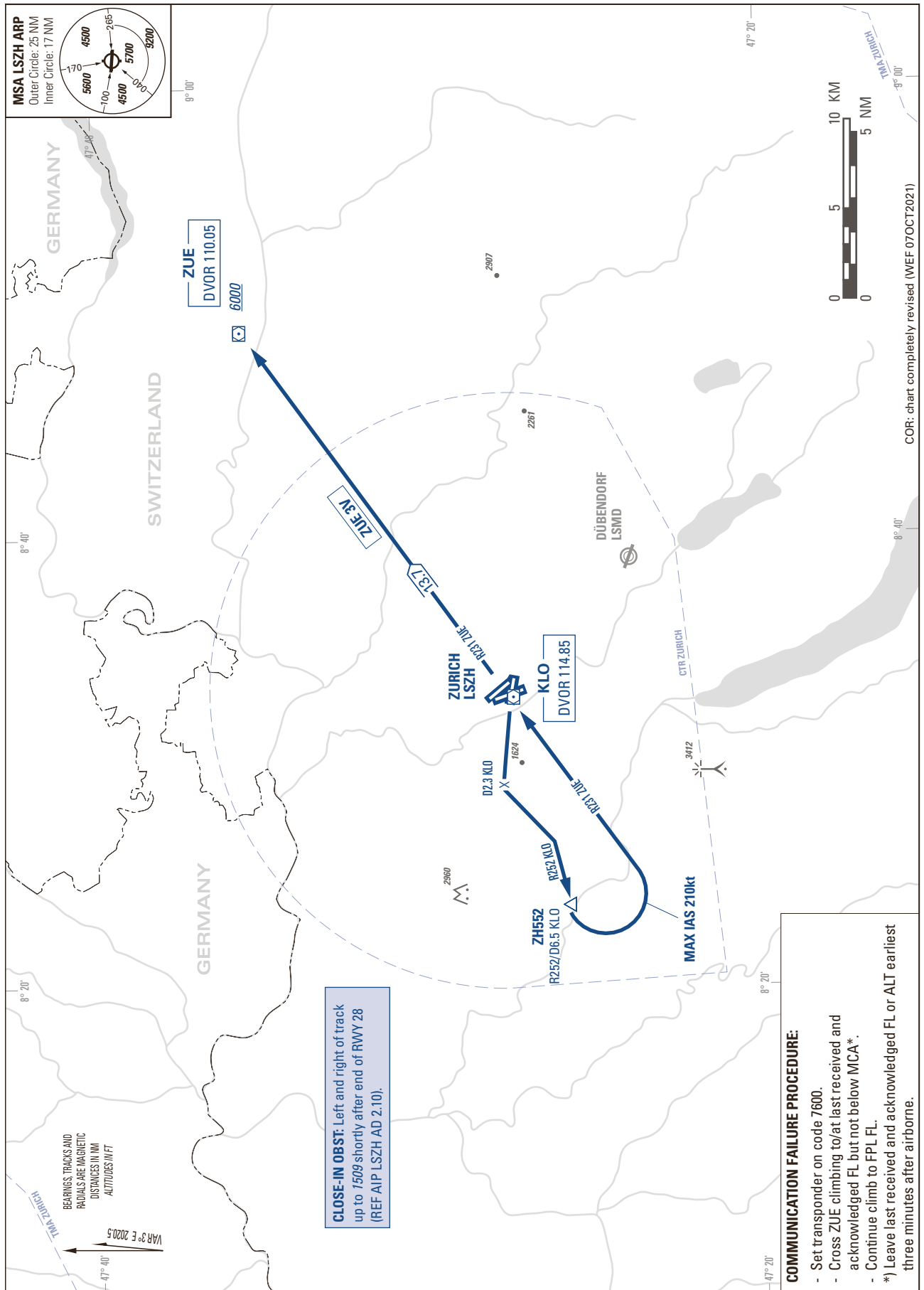


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STANDARD INSTRUMENT DEPARTURE CHART
(SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
SID RWY 28 - NON RNAV

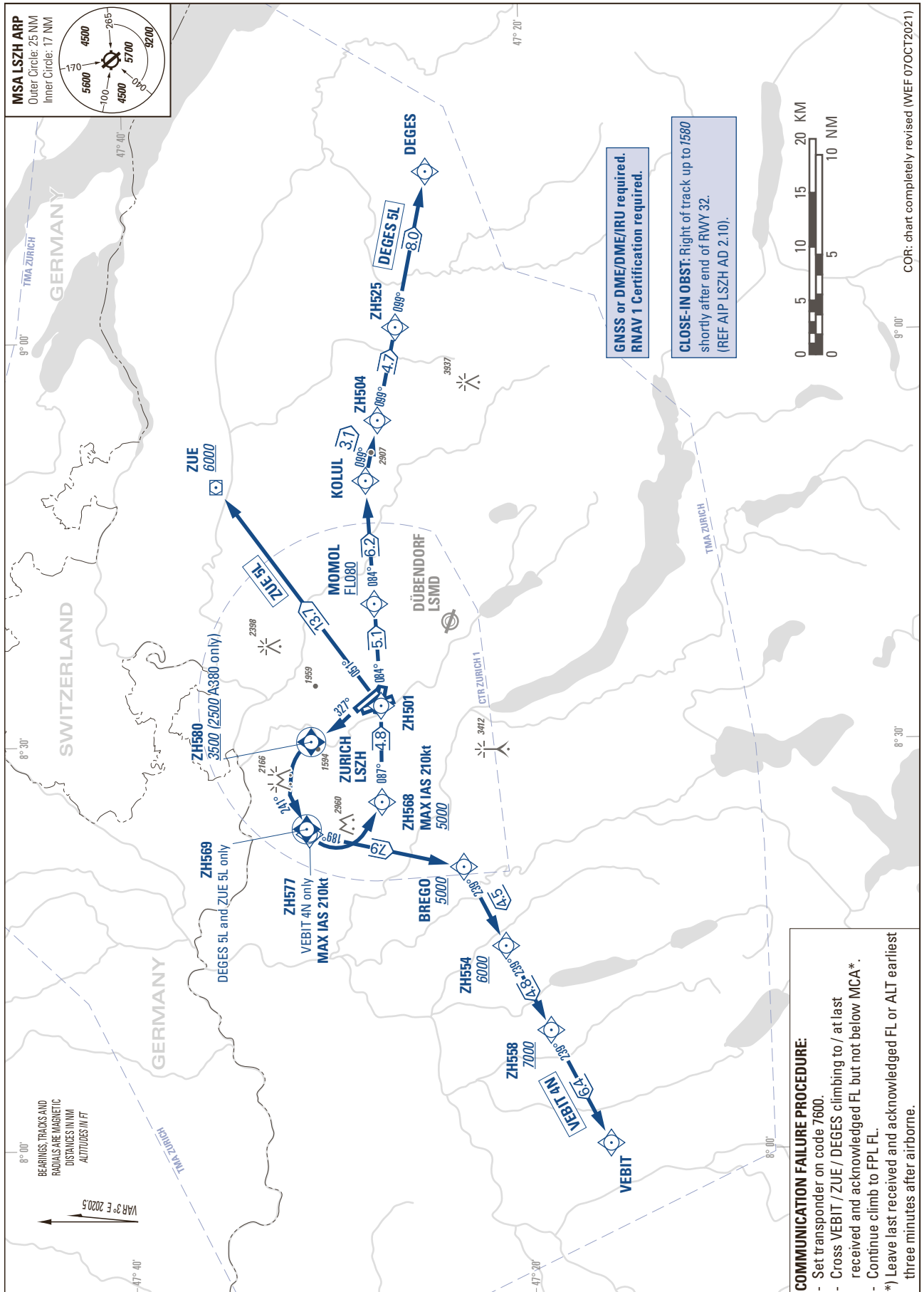


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STANDARD INSTRUMENT DEPARTURE CHART
(SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
SID RWY 32 - RNAV 1

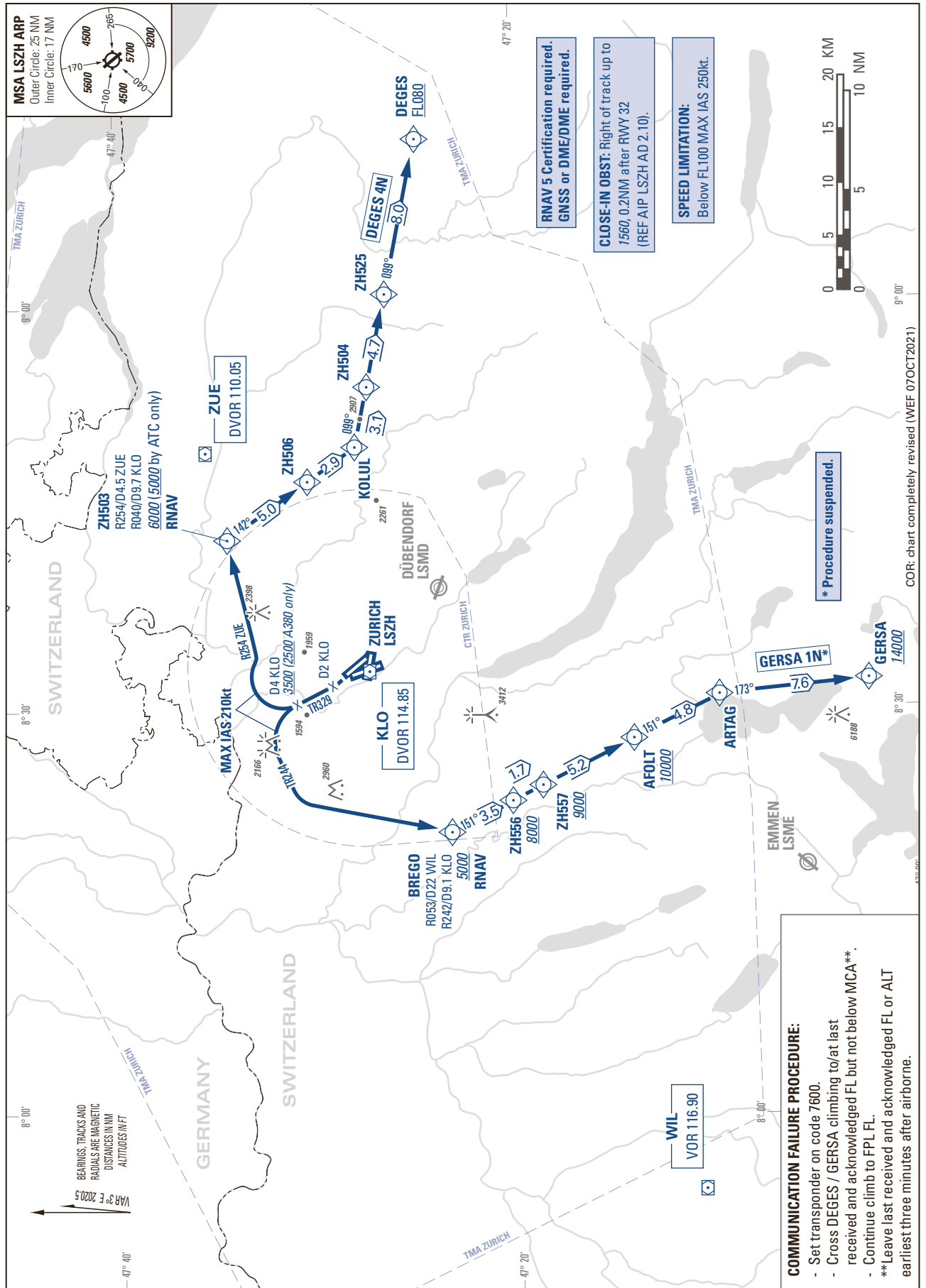


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STANDARD INSTRUMENT DEPARTURE CHART
(SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
SID RWY 32 - RNAV 5

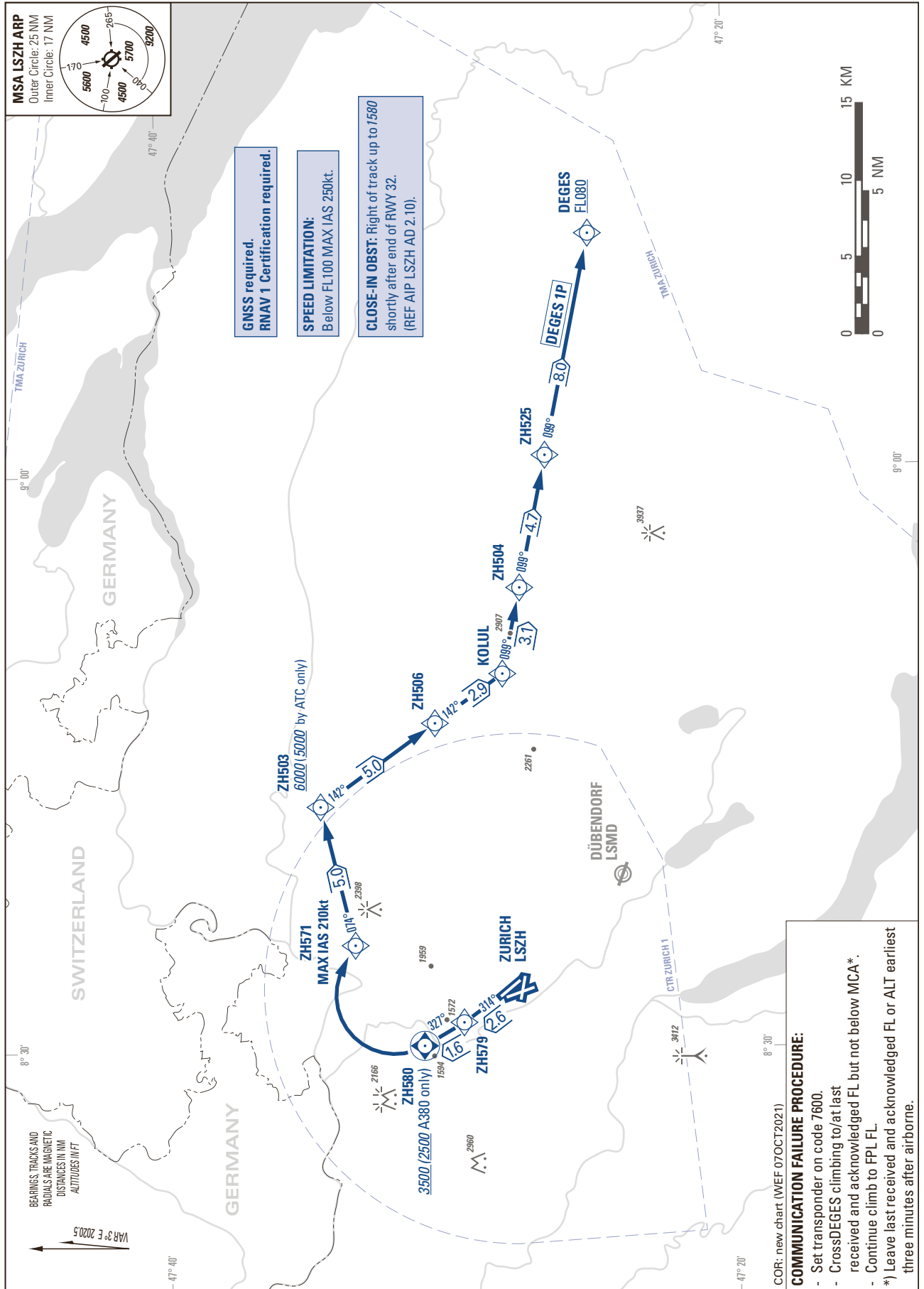


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STANDARD INSTRUMENT DEPARTURE CHART
(SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
SID RWY 32 - RNAV 1
(by ATC only)

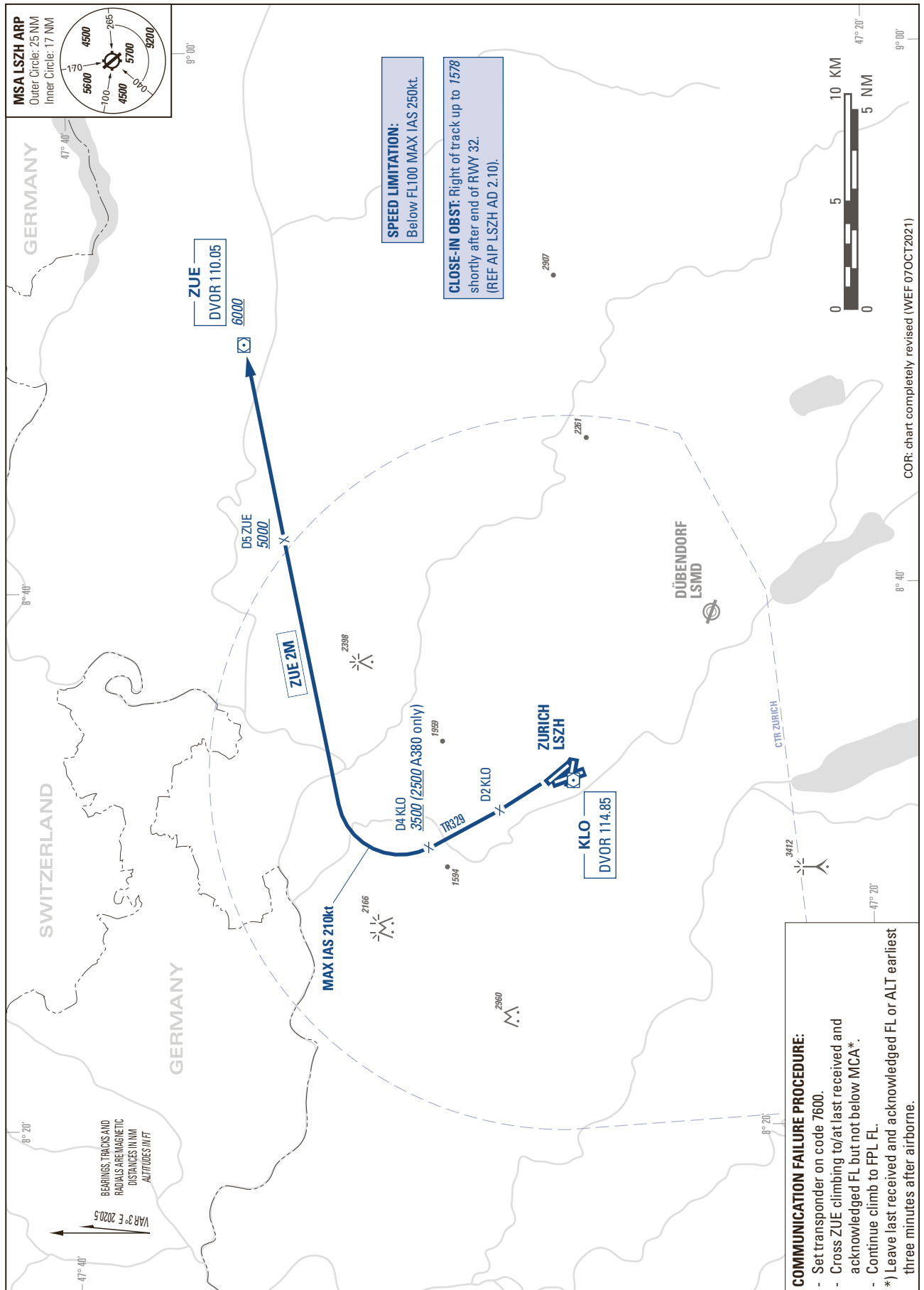


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STANDARD INSTRUMENT DEPARTURE CHART
(SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
SID RWY 32 - NON RNAV

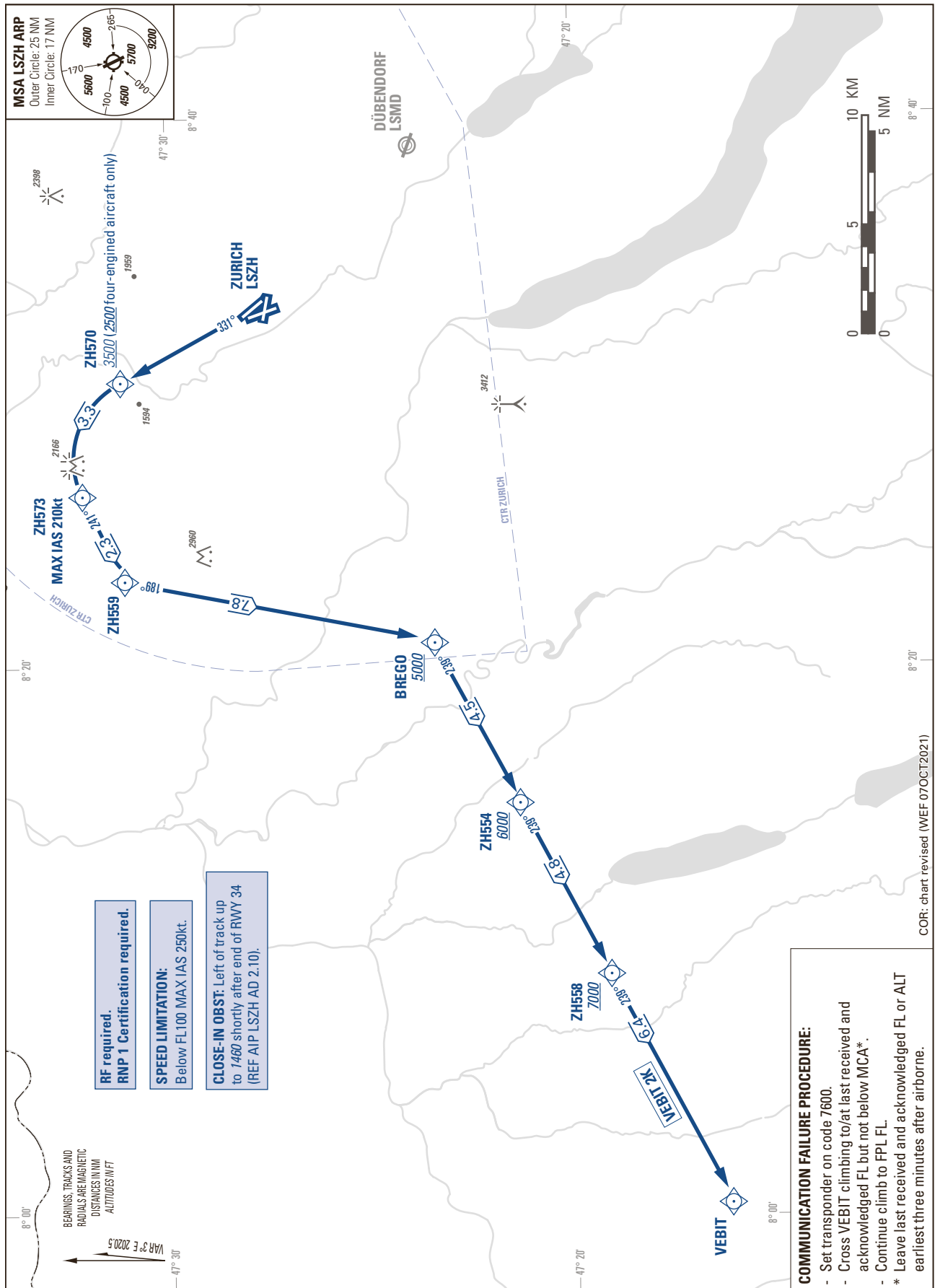


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STANDARD INSTRUMENT DEPARTURE CHART
(SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
SID RWY 34 - RNP 1

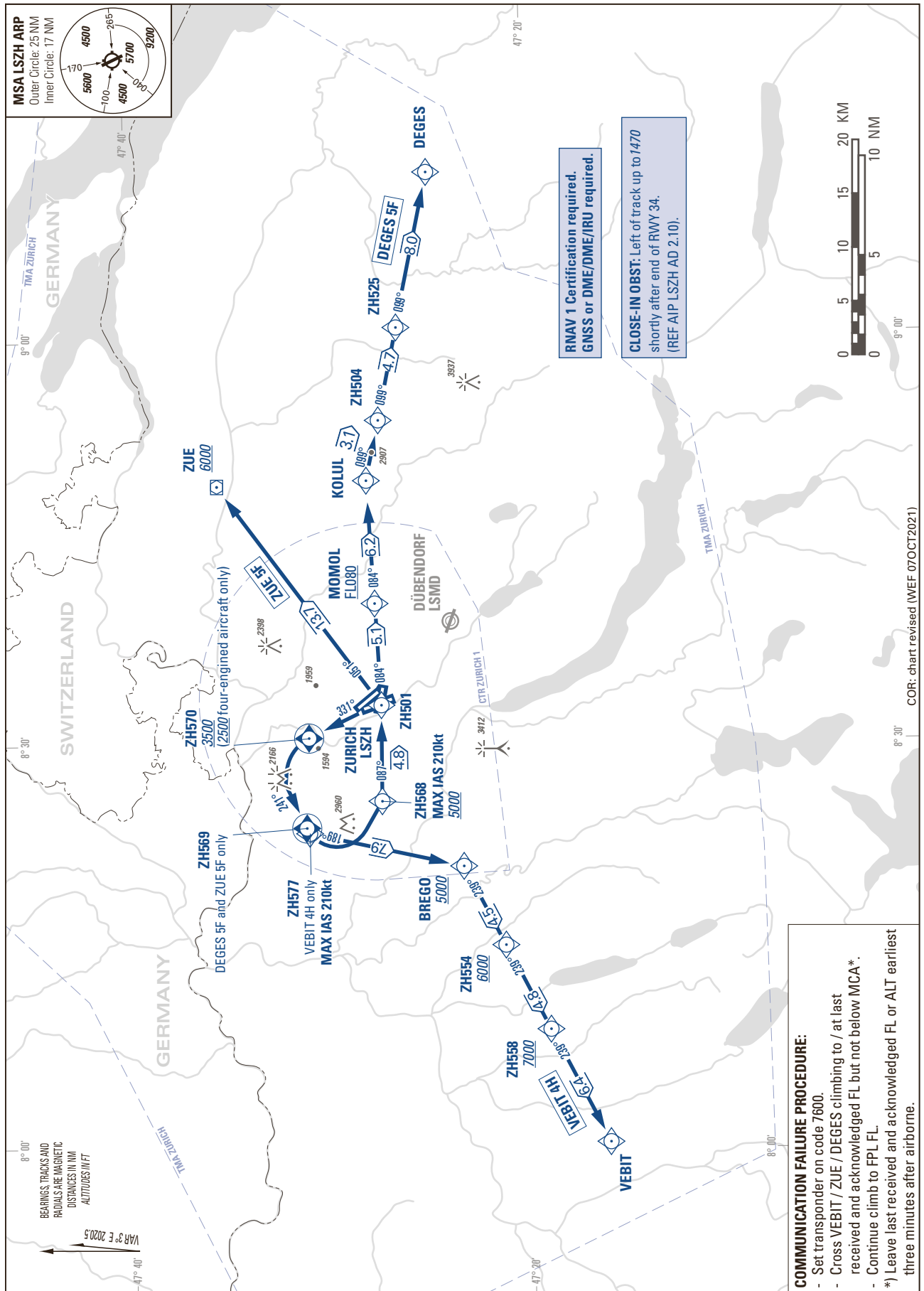


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STANDARD INSTRUMENT DEPARTURE CHART
(SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
SID RWY 34 - RNAV 1

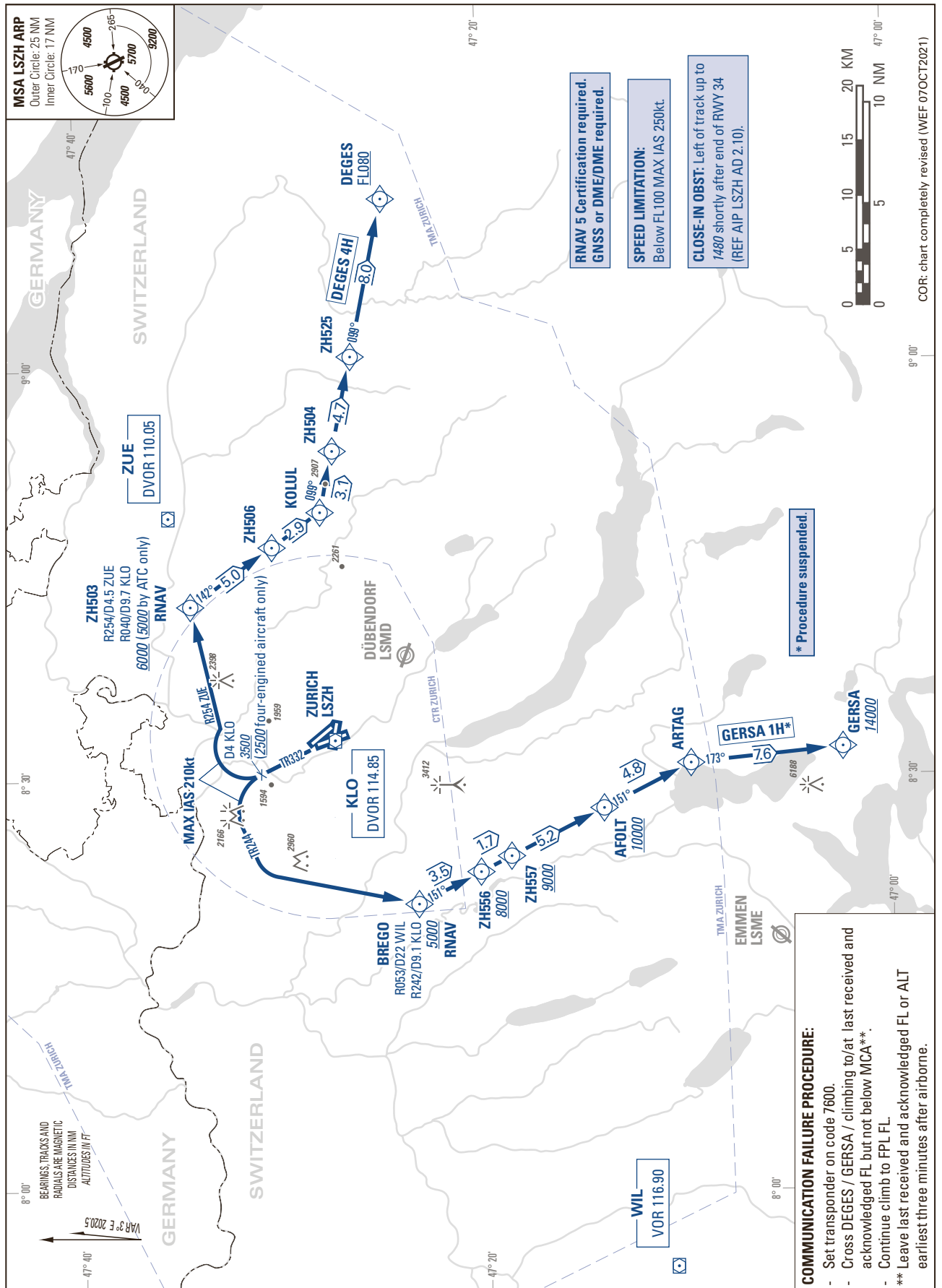


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STANDARD INSTRUMENT DEPARTURE CHART
(SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
SID RWY 34 - RNAV 5

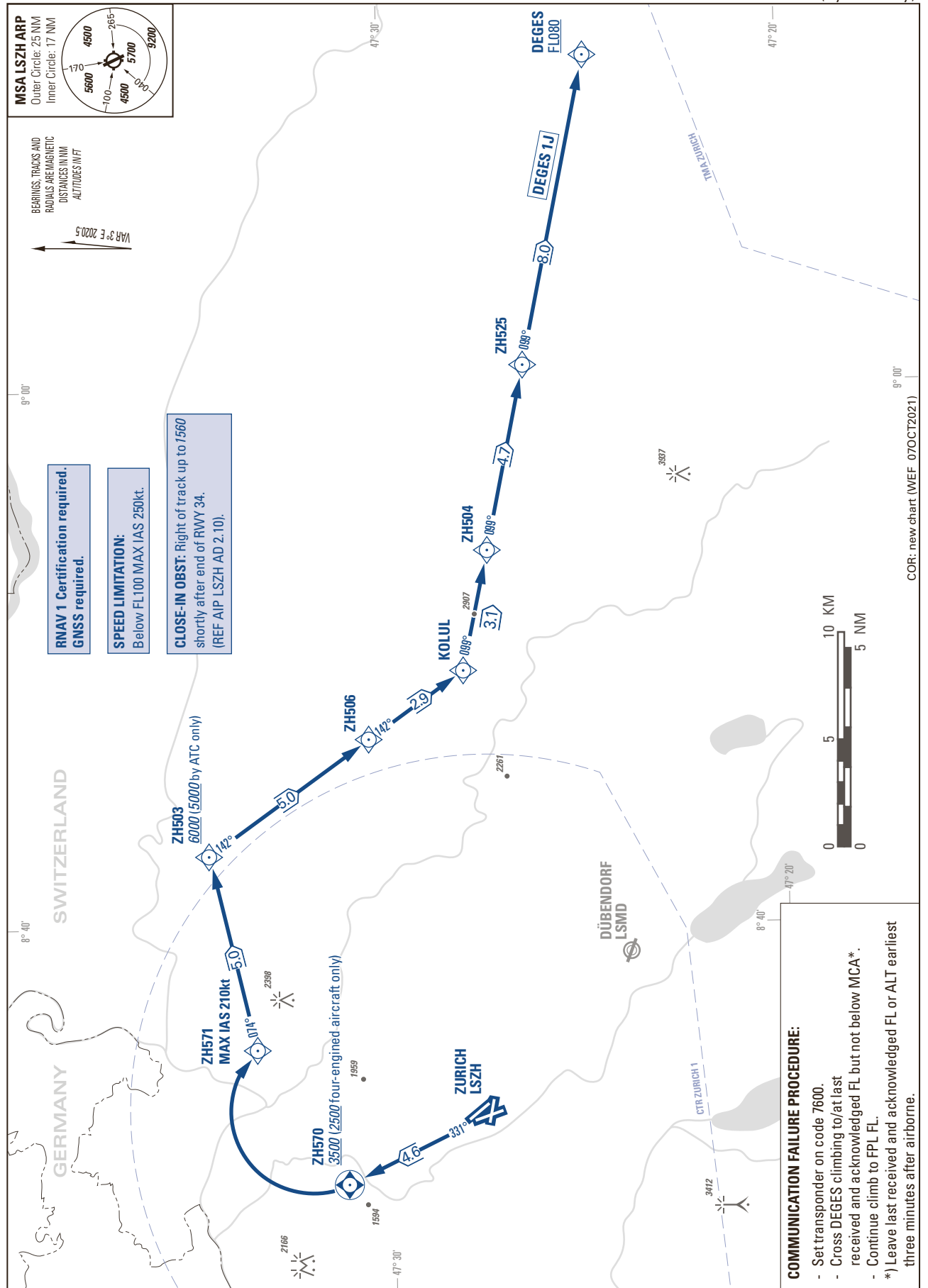


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STANDARD INSTRUMENT DEPARTURE CHART (SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
SID RWY 34 - RNAV 1
(by ATC only)

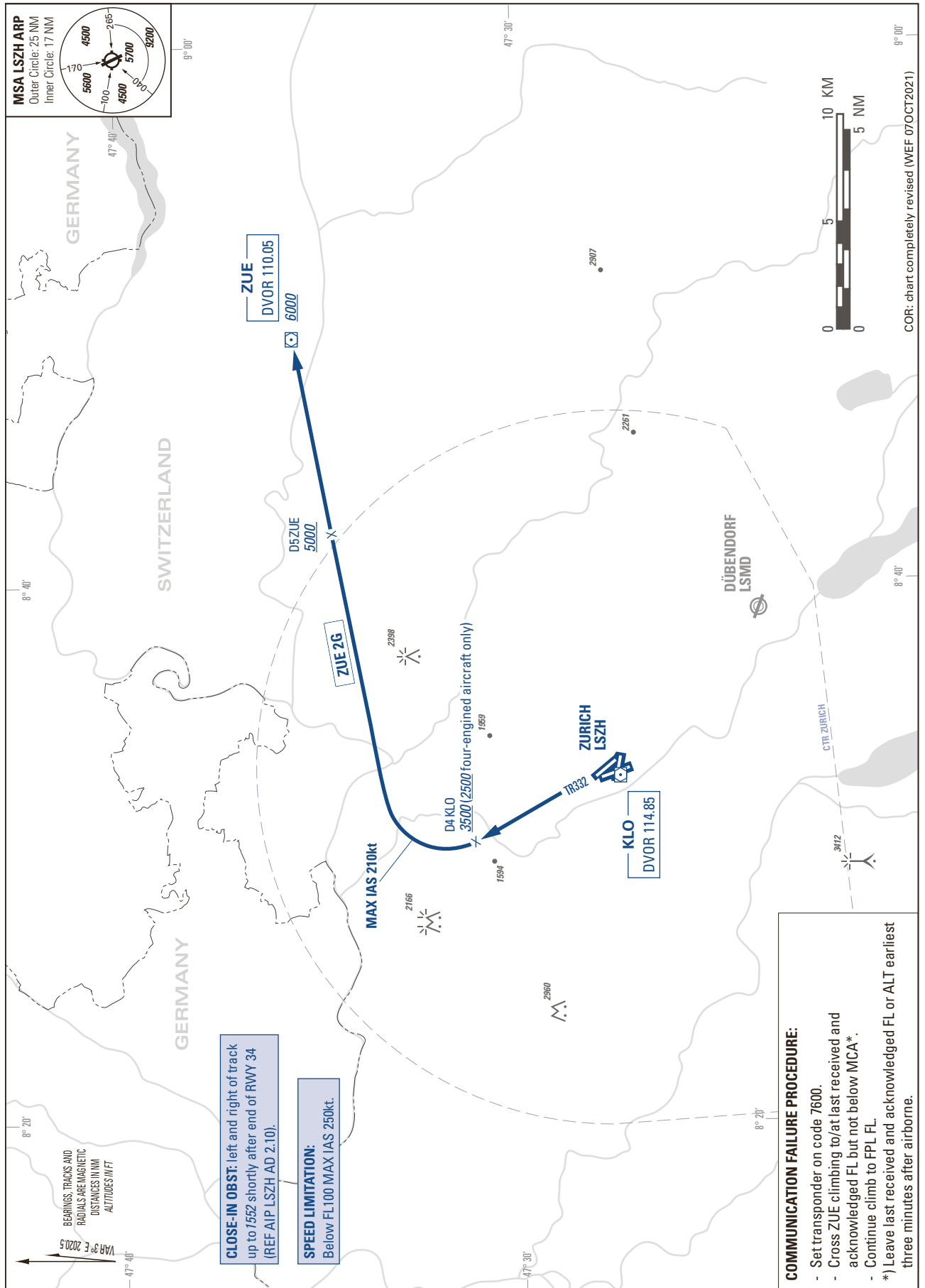


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STANDARD INSTRUMENT DEPARTURE CHART
(SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
SID RWY 34 - NON RNAV

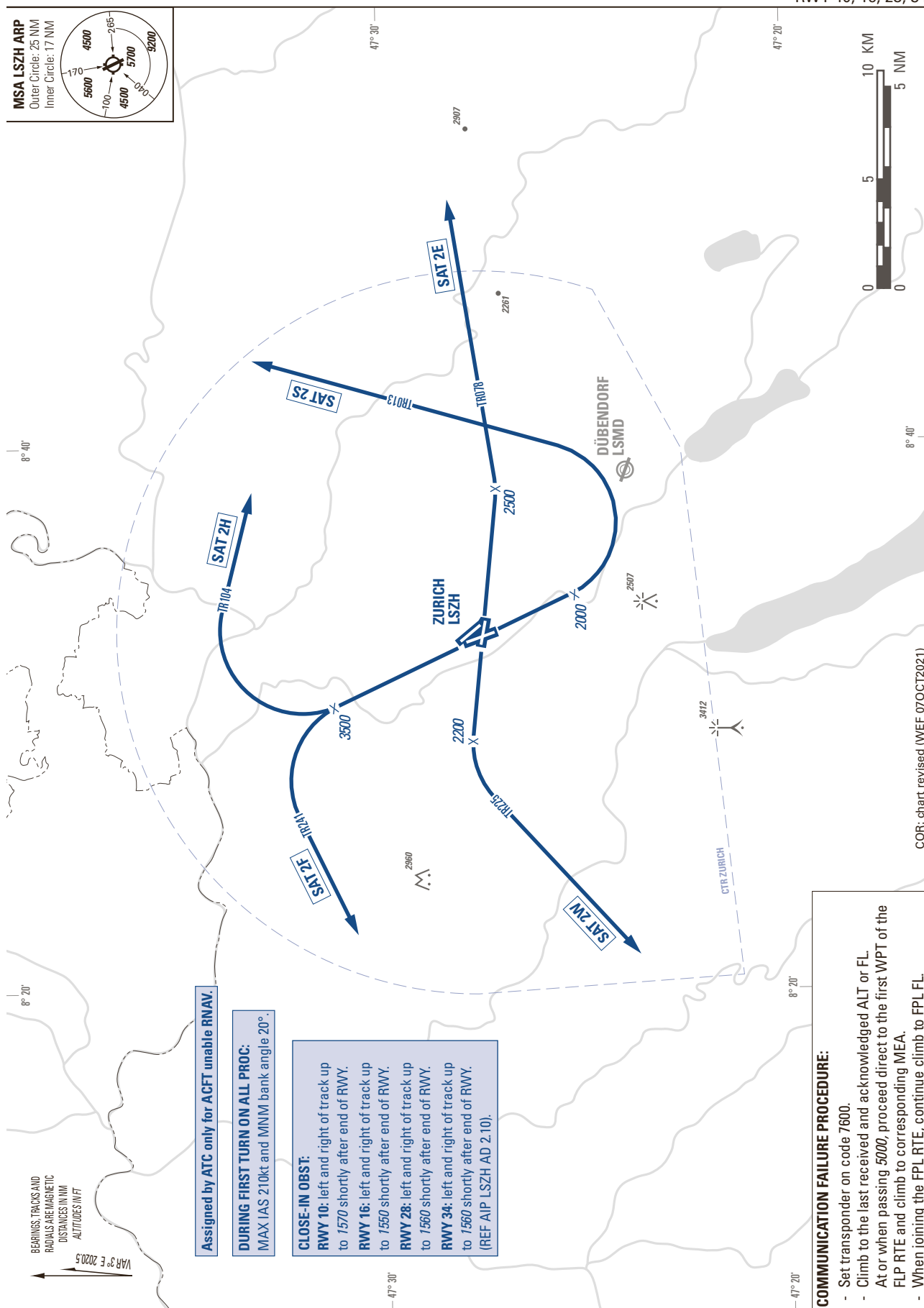


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STANDARD INSTRUMENT DEPARTURE CHART
(SID) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
SID Straight Ahead and Turn
RWY 10, 16, 28, 34



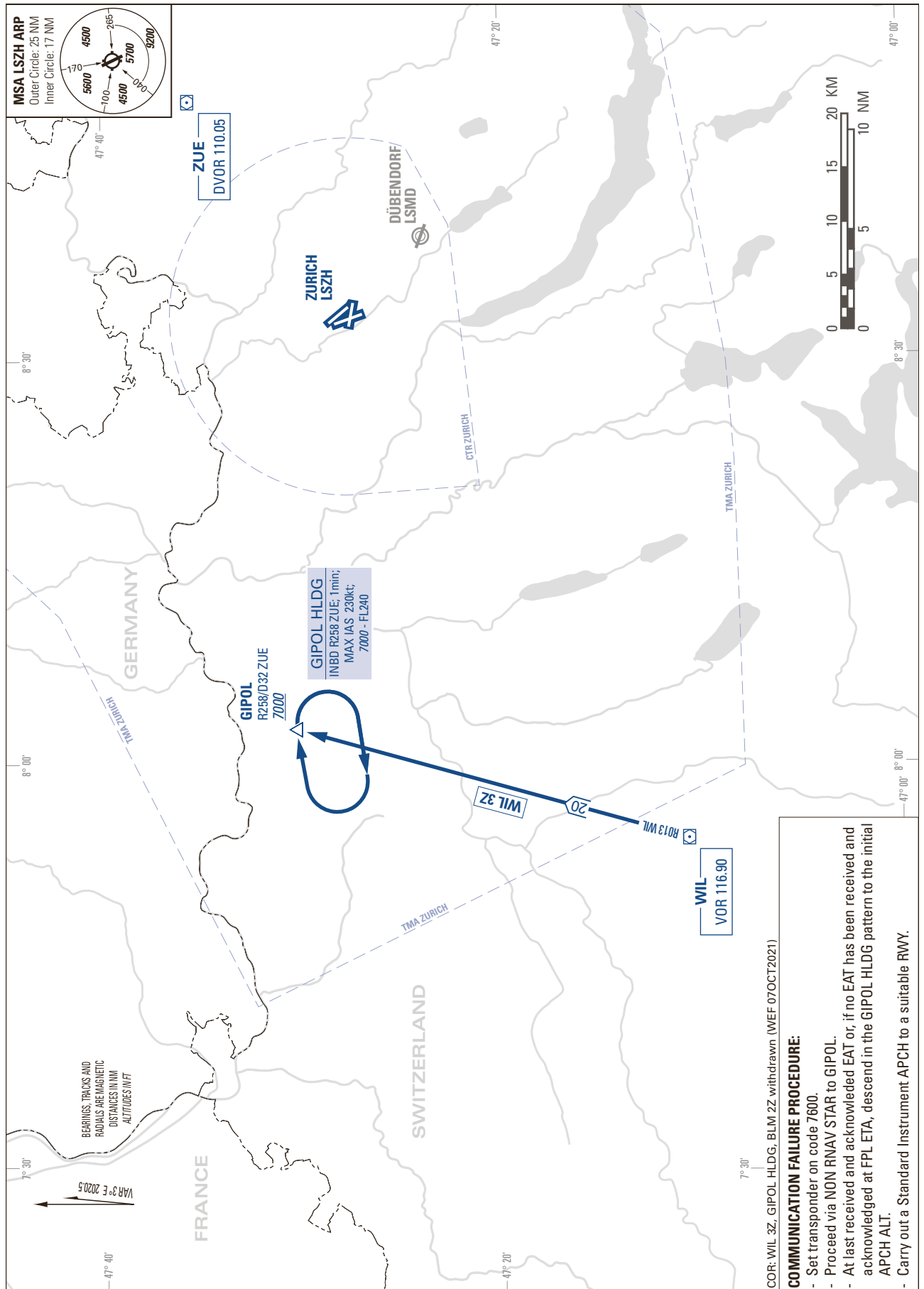
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STANDARD INSTRUMENT ARRIVAL CHART
(STAR) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
STARTO GIPOL - NON RNAV

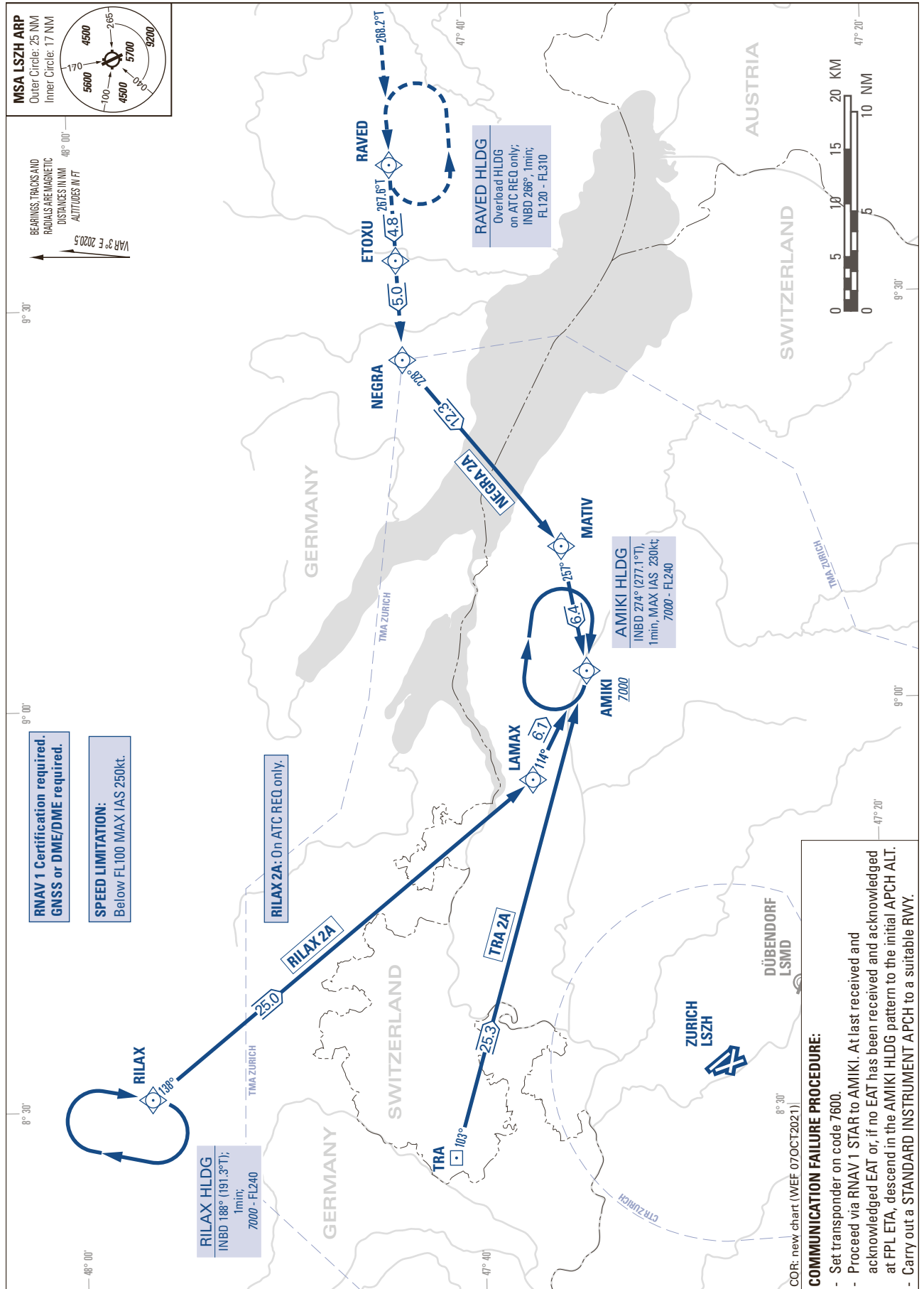


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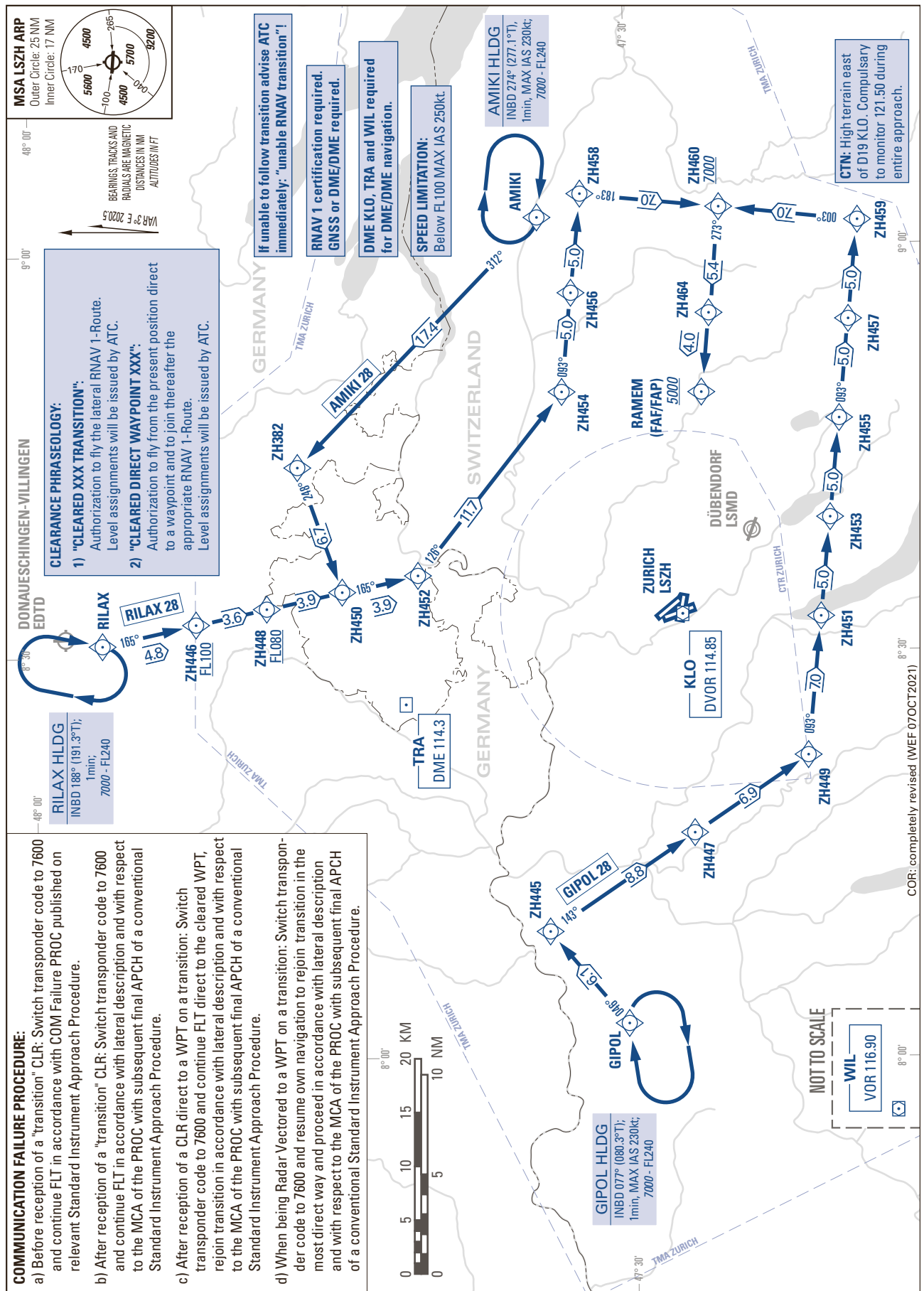
STANDARD INSTRUMENT ARRIVAL CHART
(STAR) - ICAO

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 7000

ZURICH LSZH
STAR TO AMIKI - RNAV 1



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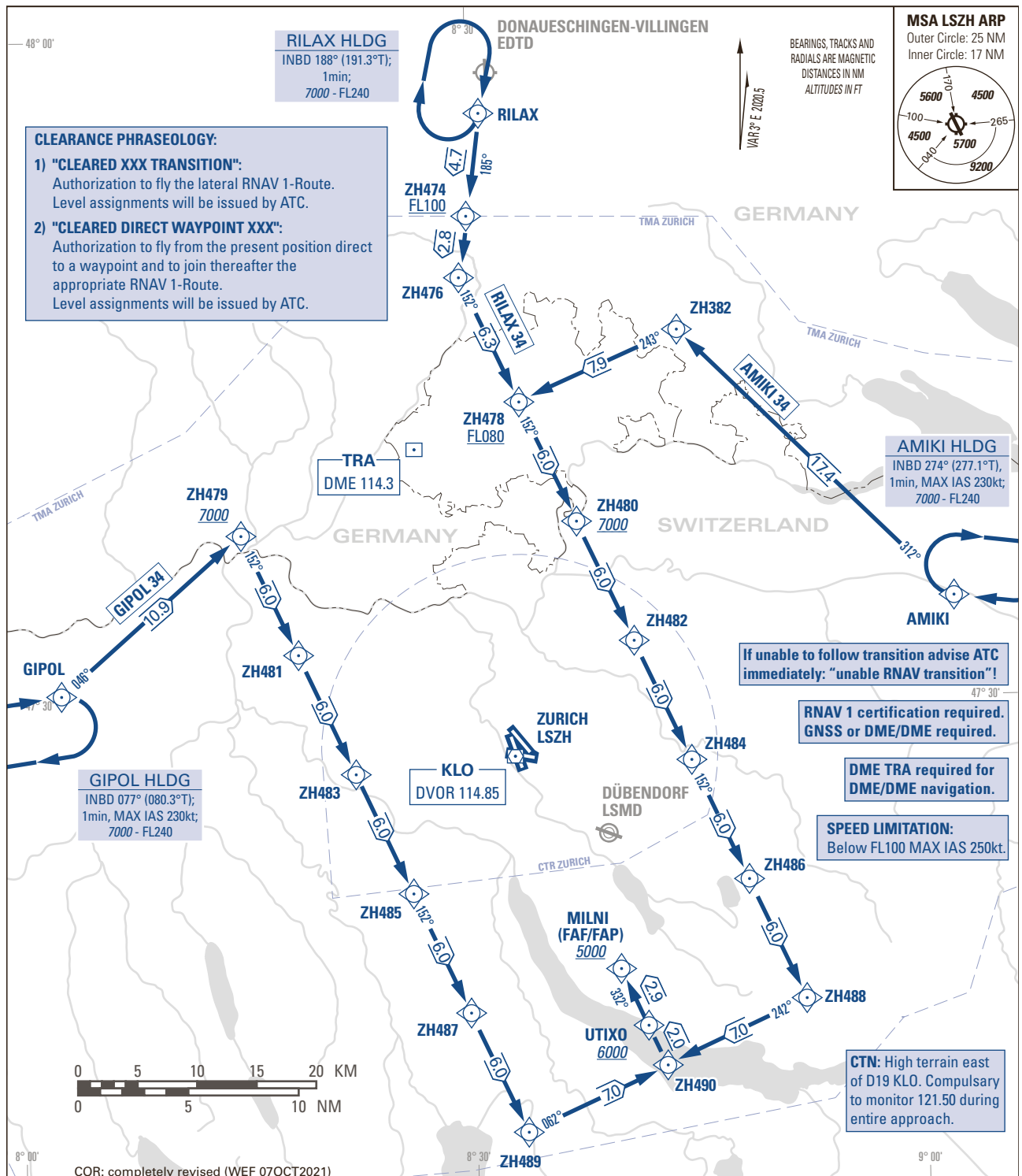


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AREA CHART - ICAO

RNAV TRANSITION TO FINAL APPROACH RWY 34

ZURICH LSZH
RNAV 1

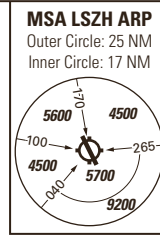


CLEARANCE PHRASEOLOGY:

- "CLEARED XXX TRANSITION":**
Authorization to fly the lateral RNAV 1-Route. Level assignments will be issued by ATC.
- "CLEARED DIRECT WAYPOINT XXX":**
Authorization to fly from the present position direct to a waypoint and to join thereafter the appropriate RNAV 1-Route. Level assignments will be issued by ATC.

GIPOL HLDG
INBD 077° (080.3°T);
1min, MAX IAS 230kt;
7000 - FL240

RILAX HLDG
INBD 188° (191.3°T);
1min;
7000 - FL240



If unable to follow transition advise ATC immediately: "unable RNAV transition"!

RNAV 1 certification required. GNSS or DME/DME required.

DME TRA required for DME/DME navigation.

SPEED LIMITATION:
Below FL100 MAX IAS 250kt.

CTN: High terrain east of D19 KLO. Compulsory to monitor 121.50 during entire approach.

COMMUNICATION FAILURE PROCEDURE:

- Before reception of a "transition" CLR: Switch transponder code to 7600 and continue FLT in accordance with COM Failure PROC published on relevant STAR Chart.
- After reception of a "transition" CLR: Switch transponder code to 7600 and continue FLT in accordance with lateral description and with respect to the MCA of the PROC with subsequent final APCH of a conventional Standard Instrument Approach Procedure.
- After reception of a CLR direct to a WPT on a transition: Switch transponder code to 7600 and continue FLT direct to the cleared WPT, rejoin transition in accordance with lateral description and with respect to the MCA of the PROC with subsequent final APCH of a conventional Standard Instrument Approach Procedure.
- When being Radar Vektored to a WPT on a transition: Switch transponder code to 7600 and resume own navigation to rejoin transition in the most direct way and proceed in accordance with lateral description and with respect to the MCA of the PROC with subsequent final APCH of a conventional Standard Instrument Approach Procedure.

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