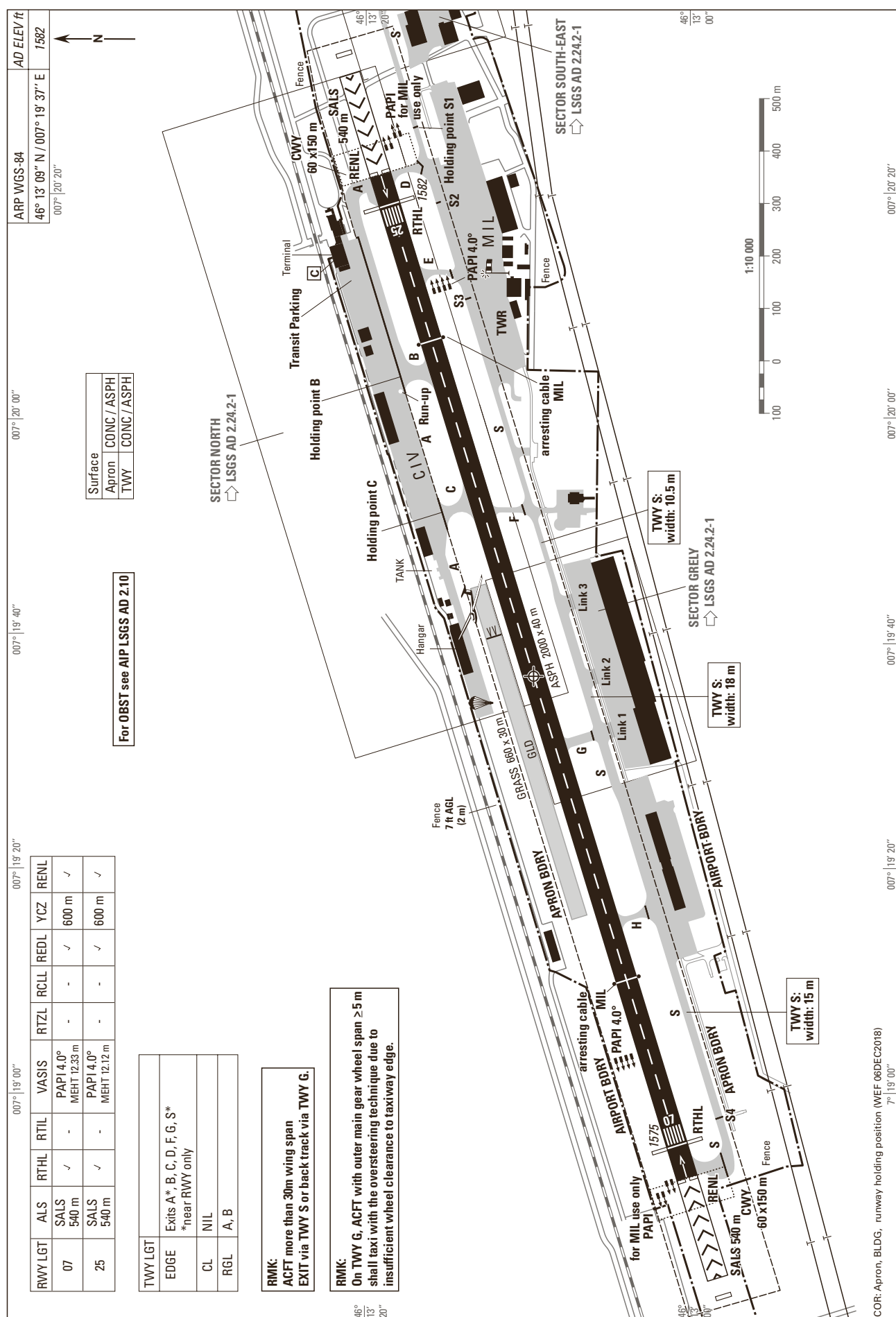
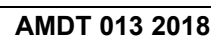




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Profile view see LSGS AD 2.24.4-2

The drawing consists of three main parts: a horizontal scale, a plan view of a road layout, and a vertical curve section.

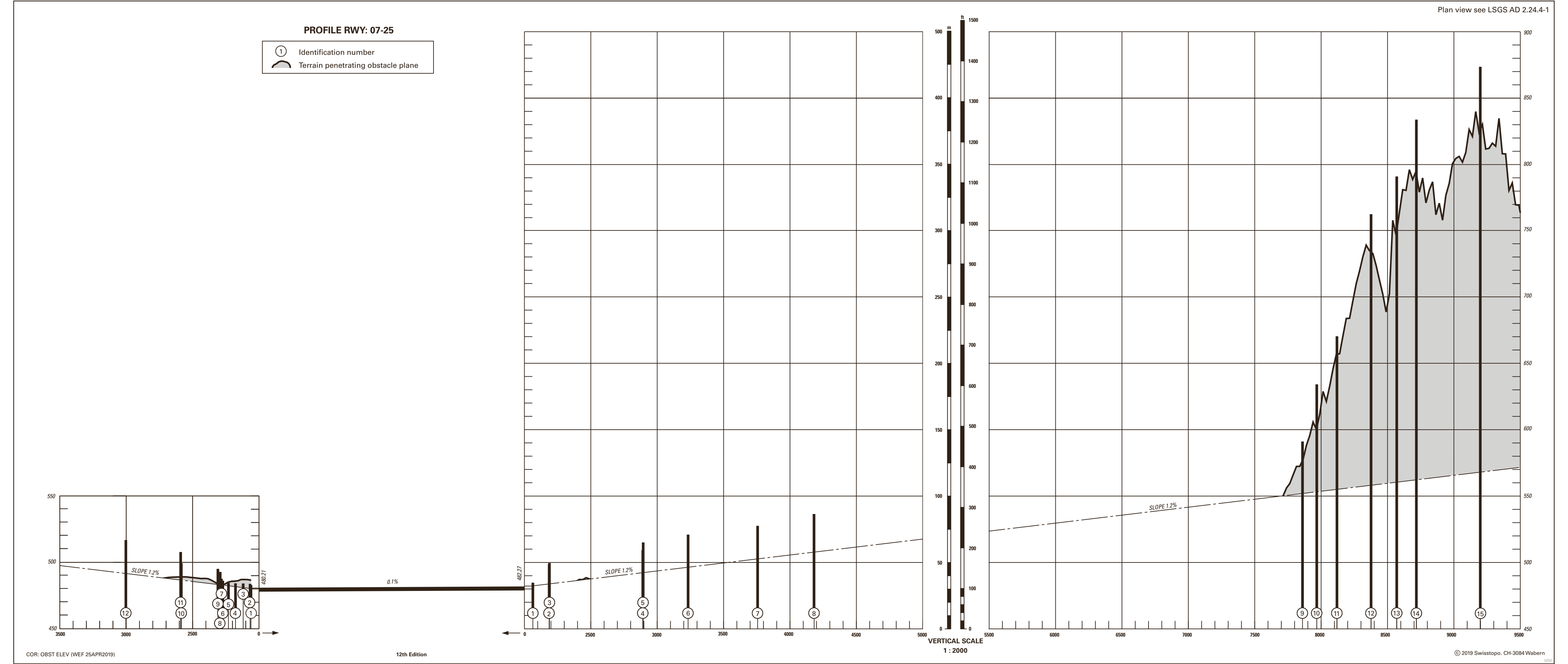
Horizontal Scale: A scale bar at the top left shows distances in meters (0, 500, 1000, 2000) and feet (0, 1000, 3000, 6000). Below it, the text "HOTRIZONTAL SCALE 1:20 000" is written.

Plan View: A map showing a road layout with numbered points (1-15) and distances. The road is labeled "ASPHALT 2000 x 40 m". Key features include:

- Points 1-10 along the top edge of the road.
- Points 11-15 along the bottom edge of the road.
- Distances between points: 499.5, 495, 493, 484, 483, 485, 498.5, 499.5, 509.5, 515, 521, 527.5, 536.5, 517, 508, 487.5, 486, 484.5, 484.
- Angles: 172°, 252°.
- Labels: "CWY 60", "La Rivière", "Highway", "121000", "30700".

Vertical Curve Section: A diagram on the right showing a vertical curve with a radius $R = 3000 \text{ m}$ and a vertical angle of $\alpha = 9.55^\circ$. The horizontal distance is 5010 m, and the vertical distance is 500 m.

13th Edition



Profile view see LSGS AD 2.24.4-2

The drawing consists of three main parts: a horizontal scale, a plan view of a road layout, and a vertical curve section.

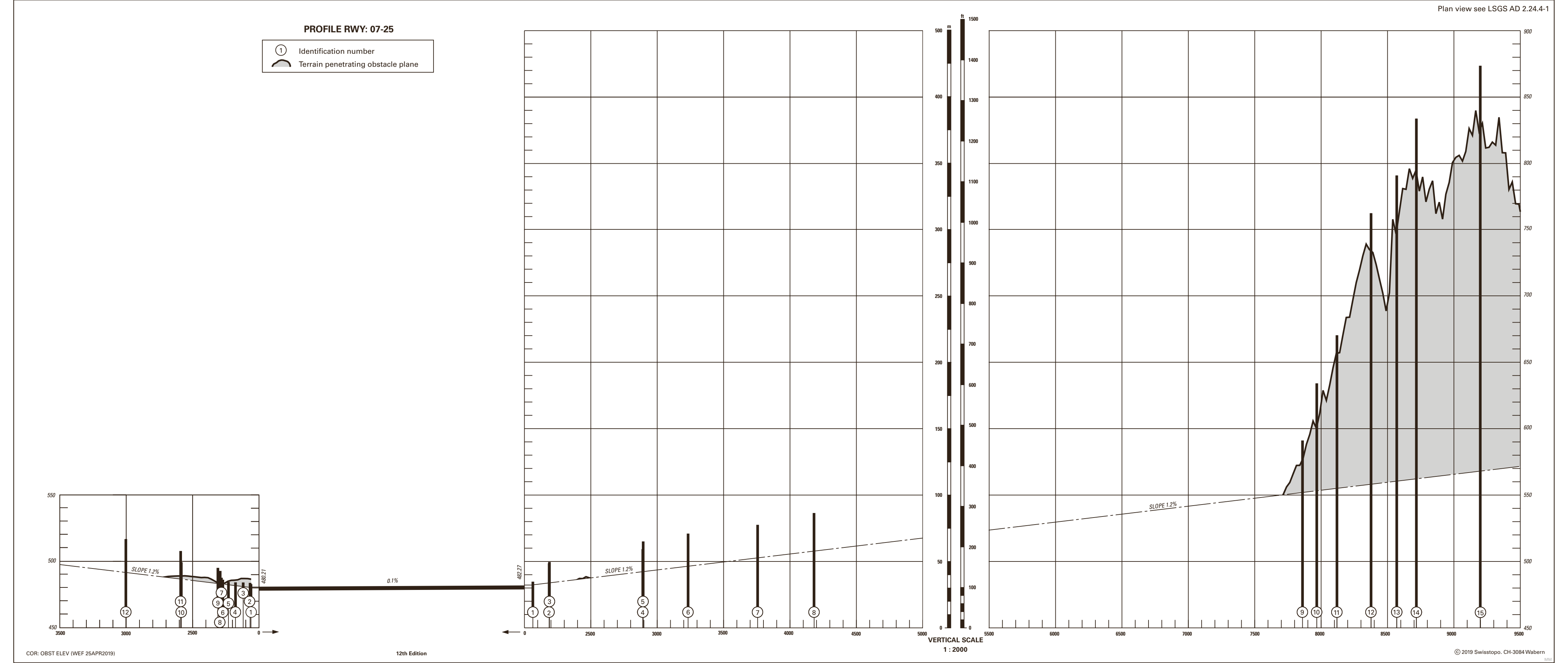
Horizontal Scale: A scale bar at the top left shows distances in meters (0, 500, 1000, 2000) and feet (0, 1000, 3000, 6000). Below it, the text "HOTRIZONTAL SCALE 1:20 000" is written.

Plan View: A map showing a road layout with numbered points (1-15) and distances. The road is labeled "ASPHALT 2000 x 40 m". Key features include:

- Point 1 at the start of the road.
- Point 2 at a junction with "CWY 60".
- Point 3 at a junction with "CWY 60".
- Point 4 at a junction with "CWY 60".
- Point 5 at a junction with "CWY 60".
- Point 6 at a junction with "CWY 60".
- Point 7 at a junction with "CWY 60".
- Point 8 at a junction with "CWY 60".
- Point 9 at a junction with "CWY 60".
- Point 10 at a junction with "CWY 60".
- Point 11 at a junction with "CWY 60".
- Point 12 at a junction with "CWY 60".
- Point 13 at a junction with "CWY 60".
- Point 14 at a junction with "CWY 60".
- Point 15 at the end of the road.

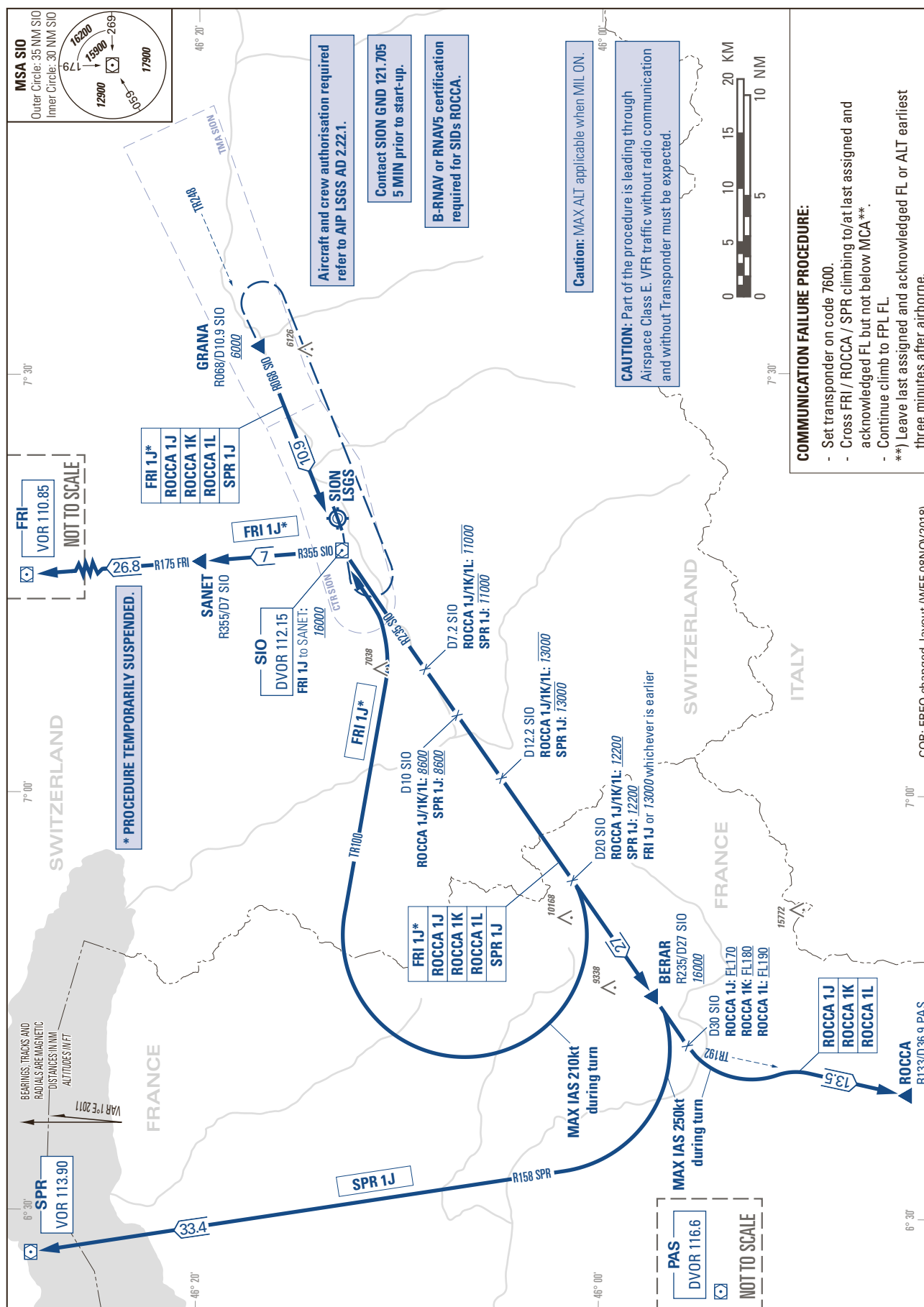
Vertical Curve Section: A diagram on the right showing a vertical curve with a radius $R = 3000 \text{ m}$ and a central angle $\alpha = 9.55^\circ$. The curve is labeled "5010 m" and "500 m".

13th Edition



TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 17000

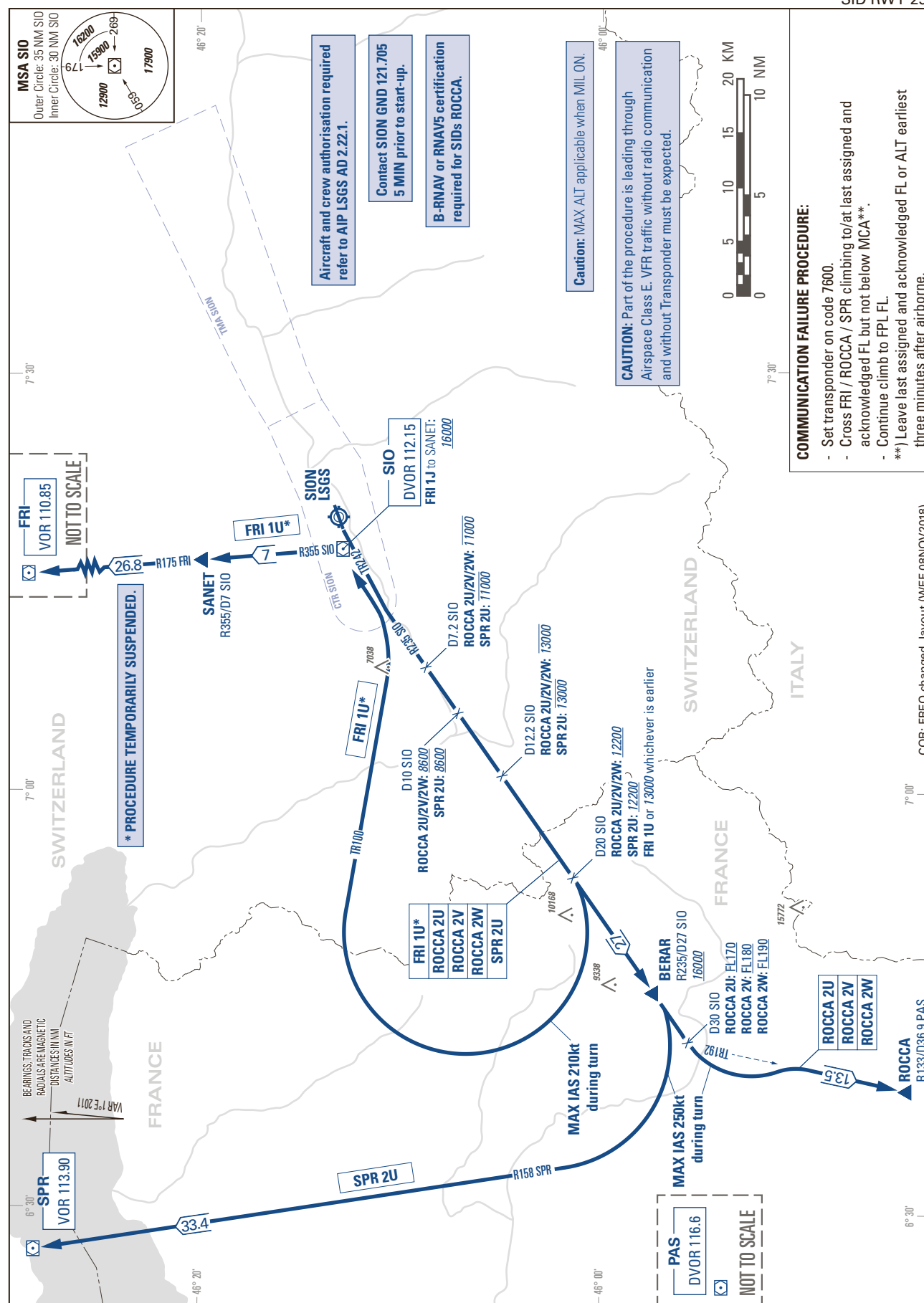
SION LSGS
SID RWY 07/25



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TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 17000

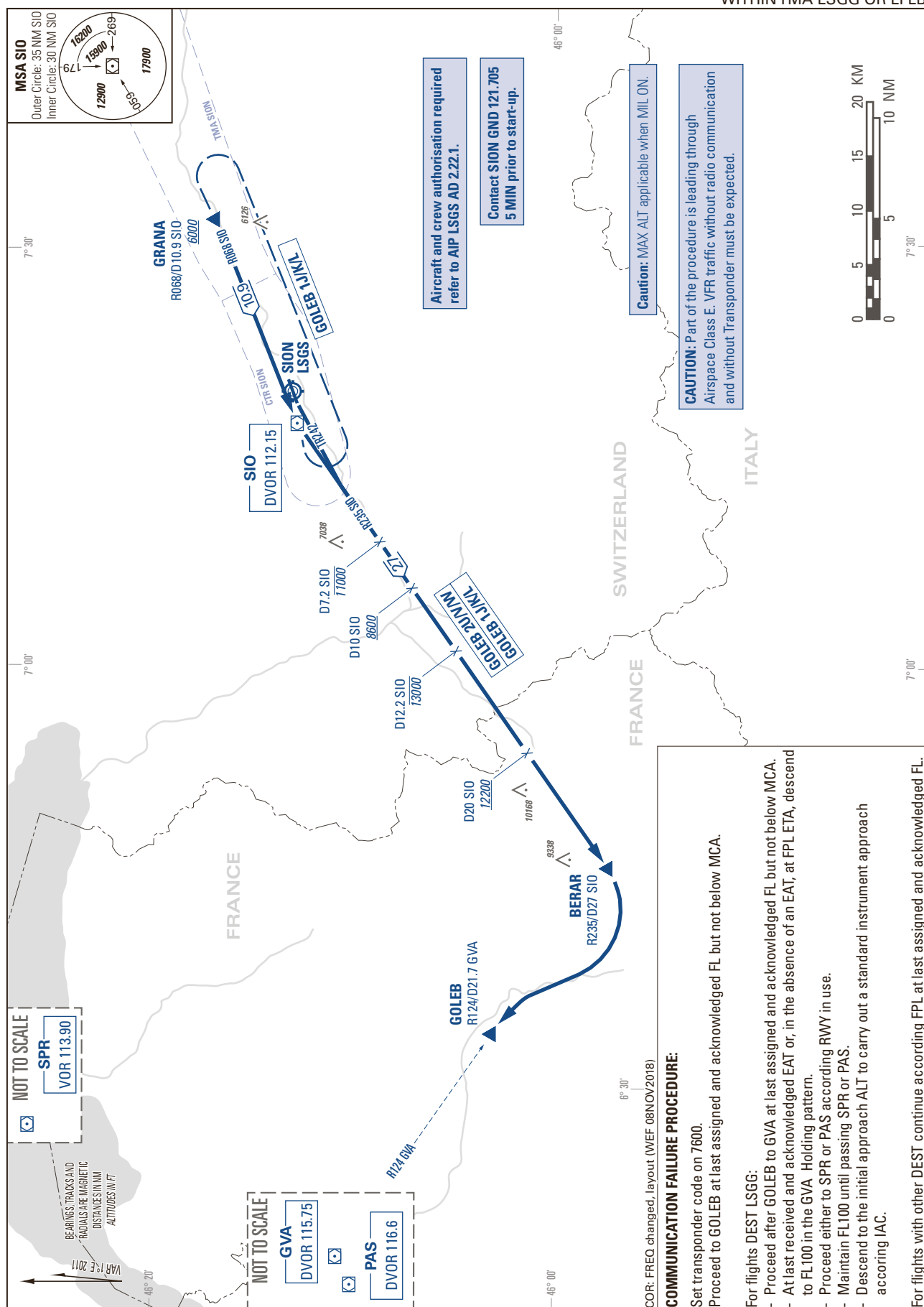
SION LSGS
HIGH PERFORMANCE
SID RWY 25



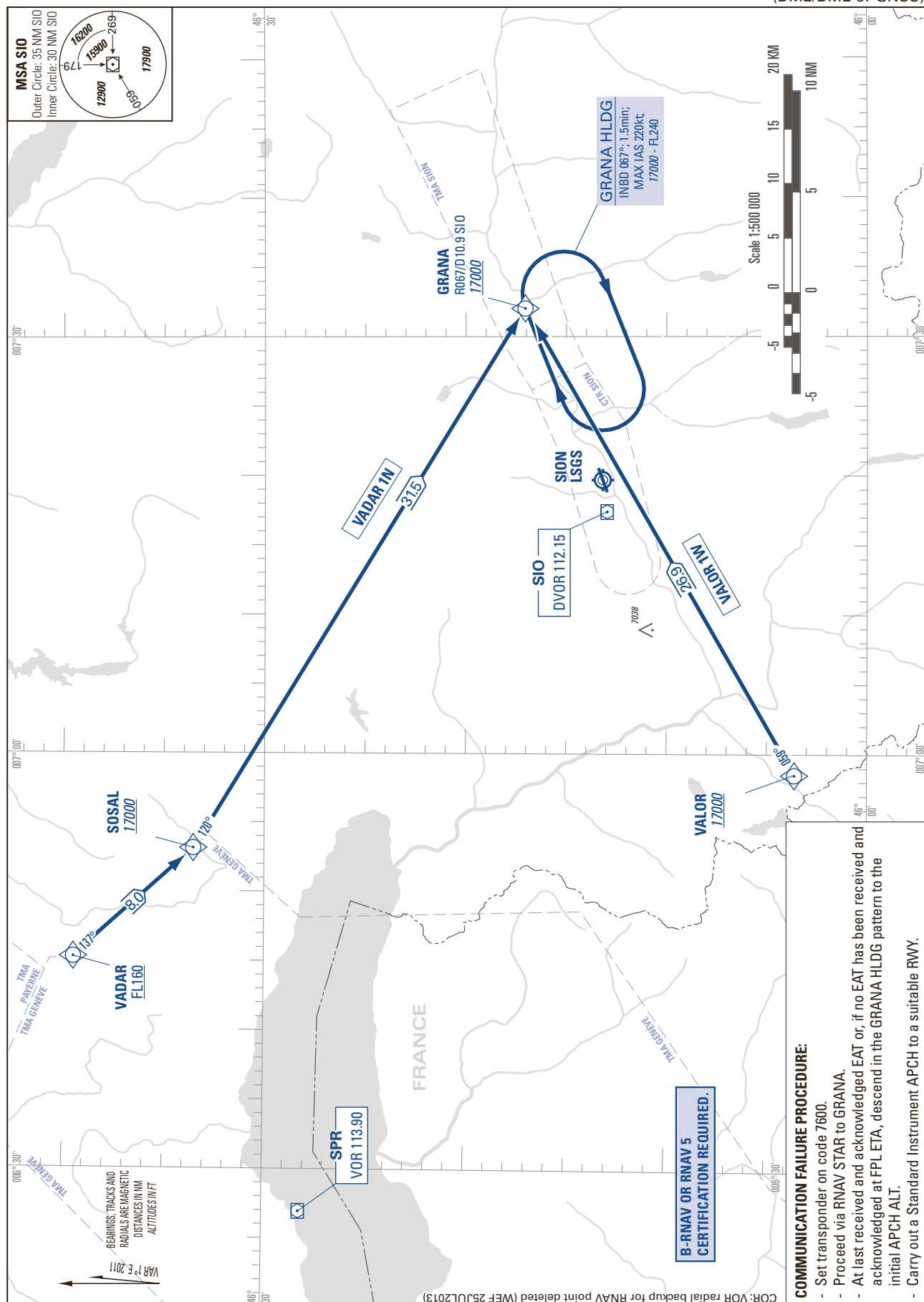
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TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 13000

SID RWY 07/25 ONLY FOR DEST
WITHINTMA LSGG OR LFLB



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STANDARD INSTRUMENT ARRIVAL CHART
(STAR) - ICAOTRANSITION LEVEL by ATC
TRANSITION ALTITUDE 17000SION LSGS
STARTO GRANA - RNAV 5
(DME/DME or GNSS)

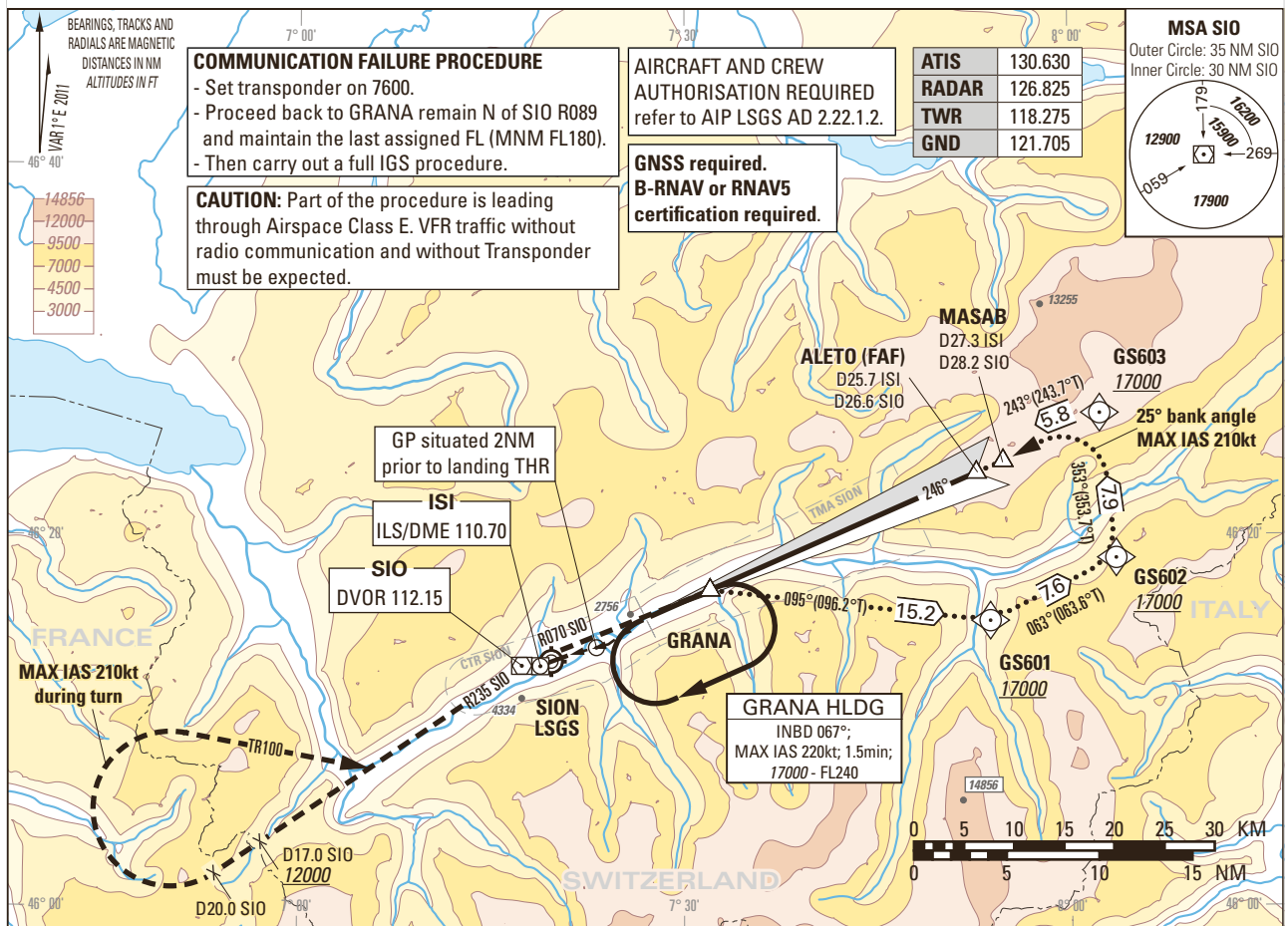
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Instrument Approach Chart
(IAC) - ICAO
(IGS instruction: see LSGS AD 2.22)

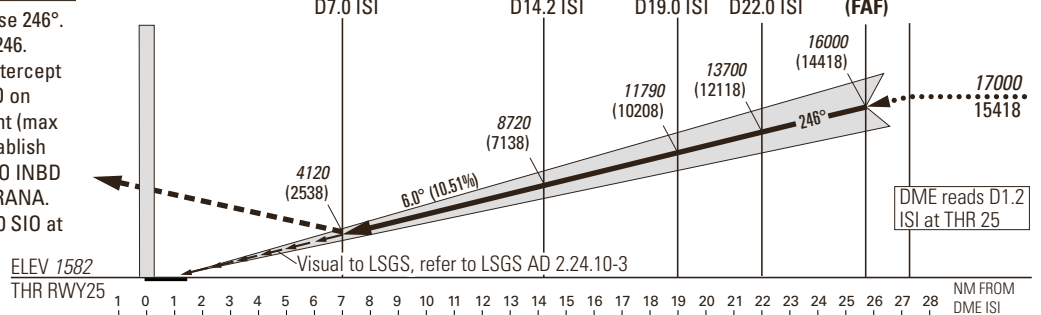
AD ELEV 1582ft

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 17000

SION LSGS
IGS RWY 25 (ACFT CAT A/B/C)
GLIDE PATH 6.0°, VISUAL PART 4.0°

**MISSED APPROACH**

Climb initially on LOC course 246°. At D7.0 ISI proceed on TR246. When passing D5.5 SIO, intercept R070 SIO to SIO. Leave SIO on R235, at D20.0 SIO turn right (max IAS 210kt during turn), establish TR100 to intercept R235 SIO INBD SIO. Proceed via SIO to GRANA. Climb to 17000. Cross D17.0 SIO at 12000 or above. GRANA at 17000.

ISI DME

Missed APCH climb gradient requirement	STRAIGHT-IN APPROACH					VIS m	
	A		B		C		
	DECISION ALTITUDE (HEIGHT)						
2.5%	6550 (4970) ¹⁾					5000	
3.0%	6110 (4530) ¹⁾						
3.5%	5670 (4090) ¹⁾						
4.0%	5230 (3650) ¹⁾						
4.5%	4790 (3210) ¹⁾						
5.0%	4350 (2770) ¹⁾						
5.5%	4120 (2540) ¹⁾						
Circling north of AD only ^{1) 2) 3)}		3700		5400		5400	5000
ROD	GS kt	90	110	130	150		
	FT/MIN	958	1171	1384	1597		

DIST ISI	7	8	9	10	12	14	16
DIST THR	5.8	6.8	7.8	8.8	10.8	12.8	14.8
ALT FT	4020	4660	5300	5930	7210	8490	9770
DIST ISI	18	20	22	24	25	25.7	27.3
DIST THR	16.8	18.8	20.8	22.8	23.8	24.5	26.1
ALT FT	11040	17320	13700	14870	15510	15960	16980
REMARK							
- APCH PROHIBITED IF GP U/S.							
- Table for temperature deviation from ISA. See LSGS AD 2.23.2.							
- Final approach offset 7° from RWY centerline.							
- If unable to comply with MAX HLDG speed, inform ATC.							
CAUTION							
- This is not a standard approach angle.							
- VSS (Visual Segment Surface) not free of OBST (see Visual Chart).							
NOTE							
¹⁾ Special training required.							
²⁾ Night circling prohibited.							

COR: FREQ changed (WEF 08NOV2018)

DIST ISI	7	8	9	10	12	14	16
DIST THR	5.8	6.8	7.8	8.8	10.8	12.8	14.8
ALT FT	4020	4660	5300	5930	7210	8490	9770
DIST ISI	18	20	22	24	25	25.7	27.3
DIST THR	16.8	18.8	20.8	22.8	23.8	24.5	26.1
ALT FT	11040	17320	13700	14870	15510	15960	16980

REMARK

- APCH PROHIBITED IF GP U/S.
- Table for temperature deviation from ISA. See LSGS AD 2.23.2.
- Final approach offset 7° from RWY centerline.
- If unable to comply with MAX HLDG speed, inform ATC.

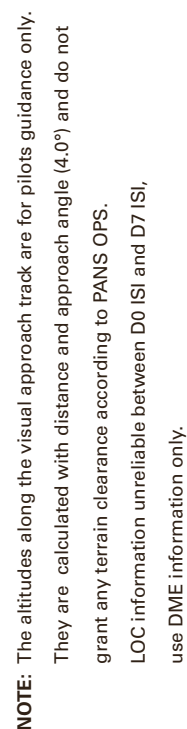
CAUTION

- This is not a standard approach angle.
- VSS (Visual Segment Surface) not free of OBST (see Visual Chart).

NOTE

- ¹⁾ Special training required.
- ²⁾ Night circling prohibited.
- ³⁾ ACFT categories A, B and C with max circling speed «CAT B».

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RMK: PAPI RWY 25 4.0° light beam is offset 5° north from runway axis.

CTN: ICAO obstacle protection surface and PAPI light beam are penetrated by topography starting east of Bramaio village (D4.0 ISI).

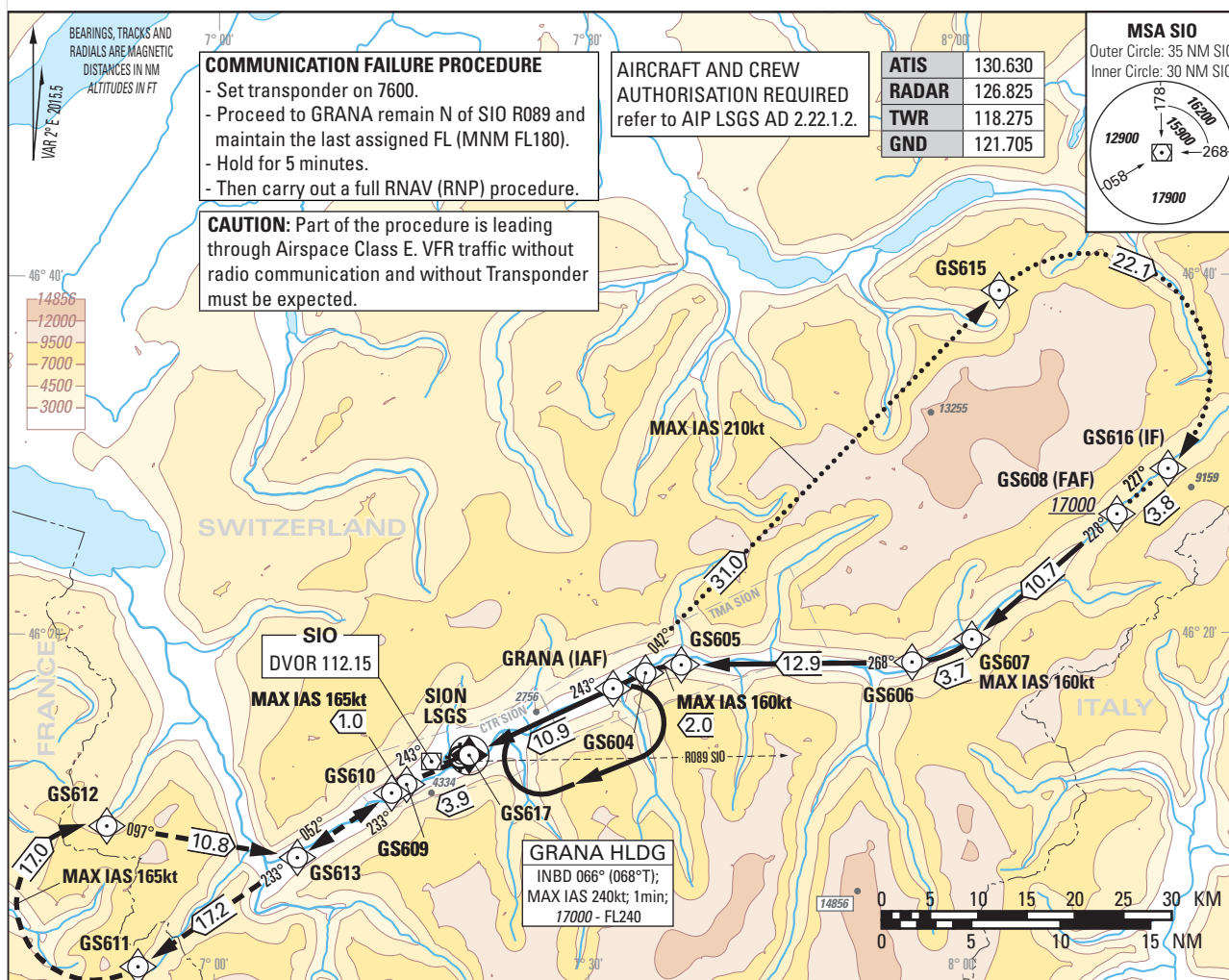
COR: Adjusted distances to ISI, Note, new RMK and CTN, OBST (WEF 08DEC2016)

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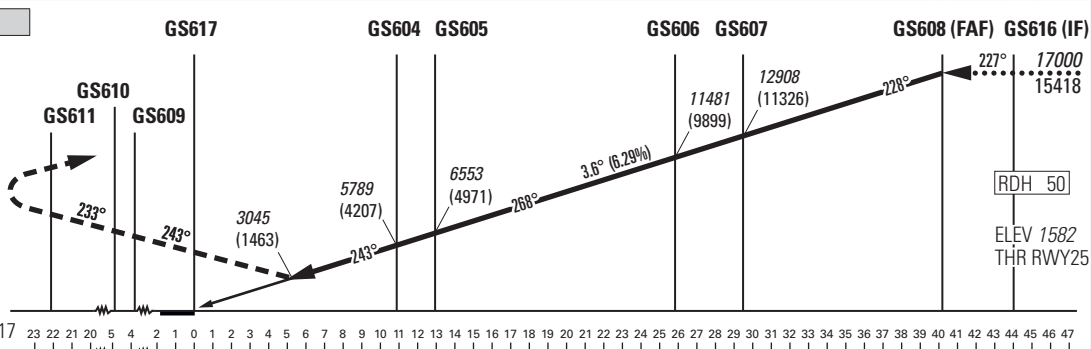
Instrument Approach Chart
(IAC) - ICAO

AD ELEV 1582ft

TRANSITION LEVEL by ATC
TRANSITION ALTITUDE 17000SION LSGS
RNAV (RNP) RWY 25
ACFT CAT A/B/C**MISSED APPROACH**Initial climb
clearance 17000.

Proceed via GS617
to GS609 to GS610
to GS611 to GS612
to GS613 to SIO to
GRANA.
All turns MAX IAS
165kt.

NM FROM GS617



DECISION ALTITUDE (HEIGHT)	Missed APCH climb gradient requirement	STRAIGHT-IN APPROACH		
		A	B	C
RNP AR 0.3	5.0%	3045 (1463)	3058 (1476)	3071 (1489)

REMARK

- Approach not authorized when airport temperature below -18°C or above +37°C.
- RNP AR RDH = 50 (PAPI MEHT = 40ft).
- PAPI 4.0° not coincident with VPA.
- RNP 0.5 in Missed-Approach up to GS611.
- VSS (Visual Segment Surface) free of obstacles.

CAUTION

- On 3.6° APCH angle and GS > 150kt resulting ROD will be > 1000ft/min.

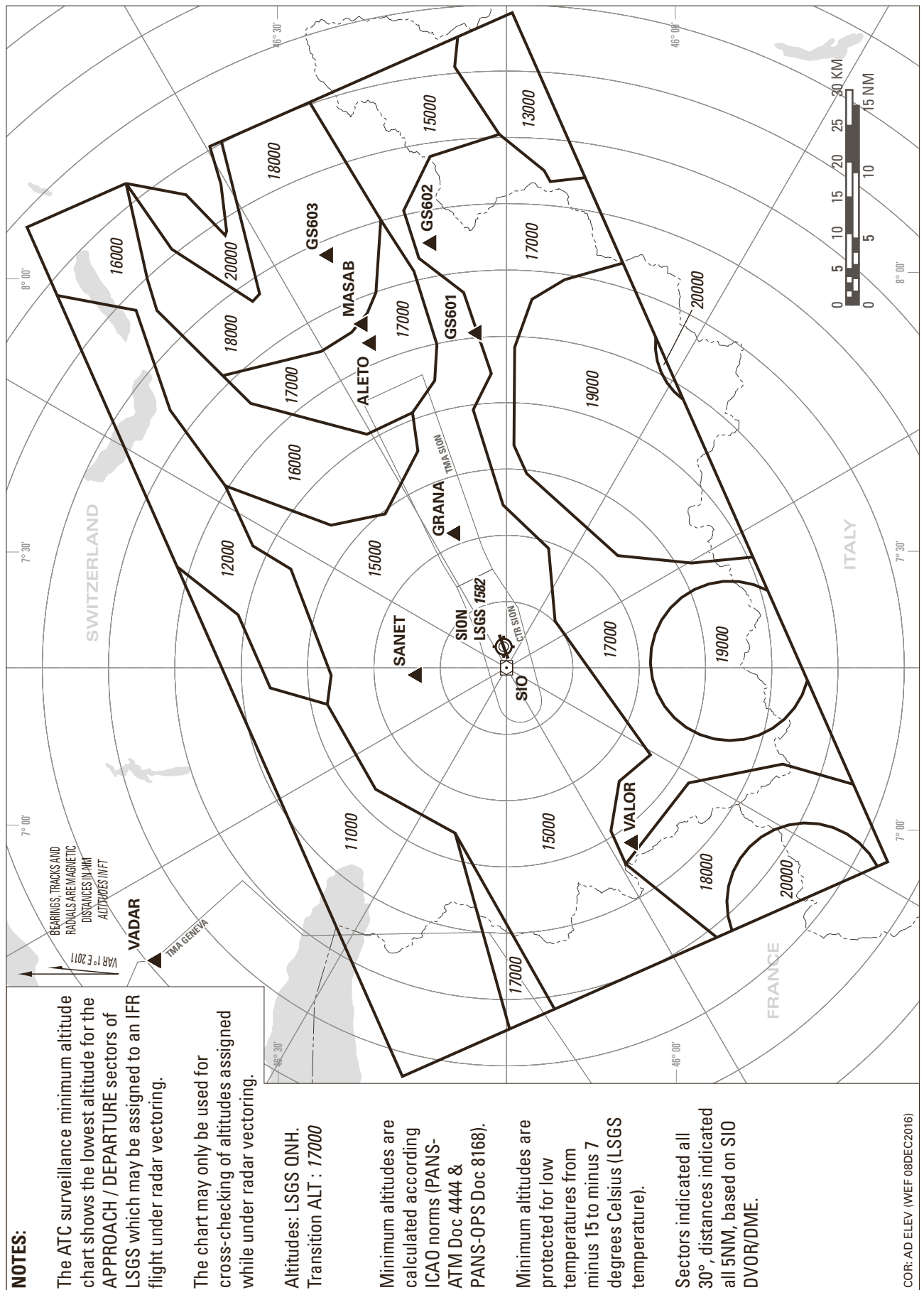
ROD	GS kt	80	100	120	140	160
	FT/MIN	510	640	760	890	1020

Missed APCH WPT	GS609	GS610	GS611	GS612
recommended CROSSING ALTITUDE (HEIGHT) for Missed APCH climb gradient 5.0%	5050 (3470)	5340 (3760)	10560 (8980)	15710 (14130)

COR: FREQ changed (WEF 08NOV2018)

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ATC SURVEILLANCE MINIMUM ALTITUDE CHART (ADTEMPERATURES FROM -15°C TO -7°C)



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NOTES:

The ATC surveillance minimum altitude chart shows the lowest altitude for the APPROACH / DEPARTURE sectors of LSGS which may be assigned to an IFR flight under radar vectoring.

The chart may only be used for cross-checking of altitudes assigned while under radar vectoring.

Altitudes: LSGS QNH.
Transition ALT : 17000

Minimum altitudes are calculated according ICAO norms (PANS-ATM Doc 4444 & PANS-OPS Doc 8168).

Minimum altitudes are protected for low temperatures to minus 6 degrees Celsius (LSGS temperature).

Sectors indicated all 30°, distances indicated all 5NM, based on SIO DVOR/DME.

FOR: AD ELEV (WEF 08DEC2016)

COR: AD ELEV (WEF 08DEC2016)

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