

## LSGS - SION

## LSGS AD 2.1 AERODROME LOCATION INDICATOR AND NAME

LSGS - SION

## LSGS AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

|   |                                                            |                                                                                                                                                                                                                                                                                      |
|---|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | ARP coordinates and site at Aerodrome                      | 46 13 09 N 007 19 37 E - RWY midpoint                                                                                                                                                                                                                                                |
| 2 | Direction and distance from the CITY                       | 2.5 km SW Sion                                                                                                                                                                                                                                                                       |
| 3 | Elevation/Reference temperature                            | 1582 ft AMSL - 25.5° C                                                                                                                                                                                                                                                               |
| 4 | Geoid undulation at AD ELEV PSN                            | 169.9 ft                                                                                                                                                                                                                                                                             |
| 5 | MAG VAR/Annual change                                      | 3° E (2021.5) / 0°11' eastwards                                                                                                                                                                                                                                                      |
| 6 | AD Administration, address, telephone, telefax, telex, AFS | Post: Aéroport de Sion<br>Route de l'aéroport<br>CH-1950 <b>Sion</b><br>Phone: +41 (0) 27 329 06 00<br>Fax: +41 (0) 27 329 06 16<br>AFS: LSGSZPZX - LSGSYDYX<br>SITA: SIRAPXH<br>Email: aeroport@sion.ch<br>URL: <a href="http://www.sionairport.ch/">http://www.sionairport.ch/</a> |
| 7 | Types of traffic permitted (IFR/VFR)                       | IFR/VFR                                                                                                                                                                                                                                                                              |
| 8 | Remarks                                                    | NIL                                                                                                                                                                                                                                                                                  |

## LSGS AD 2.3 OPERATIONAL HOURS

|    |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Aerodrome Operator         | APR-SEP: 0500 - HRH, MAX 1800<br>OCT-MAR: 0700 - HRH, MAX 1900<br>HRH = Day and night limits. REF: <a href="#">GEN 2.7</a> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 2  | Customs and immigration    | AD OPR HR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 3  | Health and sanitation      | AD OPR HR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 4  | AIS Briefing Office        | AD OPR HR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 5  | ATS Reporting Office (ARO) | AD OPR HR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 6  | MET Briefing Office        | AD OPR HR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 7  | ATS                        | HX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 8  | Fuelling                   | AD OPR HR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 9  | Handling                   | AD OPR HR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 10 | Security                   | AD OPR HR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 11 | De-icing                   | AD OPR HR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 12 | Remarks                    | Outside AD administration hours - OPS and services O/R.<br>Special permission is required for flights outside of the opening hours.<br>APR-SEP: 1800 - 1900, <b>PPR</b> until 1000<br>OCT-MAR: 0600 - 0700, <b>PPR</b> until 1600 the preceding day,<br>HRH - 2000, <b>PPR</b> until 1100<br><b>Special Flights inside CTR and TMA</b><br>Special FLT's are subject to coordination requirements.<br>Refer to VFR Manual, VFR RAC 4-0-7<br>Or via<br>URL: <a href="http://www.skyguide.ch/en/services/aim-services/special-flights-activities/">http://www.skyguide.ch/en/services/aim-services/special-flights-activities/</a> |

## LSGS AD 2.4 HANDLING SERVICES AND FACILITIES

|   |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Cargo-handling facilities               | Handling possible O/R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 2 | Fuel/oil types                          | JET A1, AVGAS 100LL, AVGAS UL91<br>MOBIL 2, W80, W100, 15W50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 3 | Fuelling facilities/capacity            | JET A1: 2 trucks 20000 litres<br>AVGAS 100LL: 1 truck 2500 litres<br>AVGAS 100LL & UL91: 1 truck with 4500 litres "100LL" and 2500 litres "UL91"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 4 | De-icing facilities                     | NOV 01 - APR 30: De-icing assured<br>De-icing fluids available: Type I Kilfrost DF-Plus; Type II Kilfrost ABC K-Plus<br>On-stand de-icing: Sion Airport<br>Clean Aircraft Concept as defined in ICAO Doc 9640 is applied; aircraft are de-iced according to the requirements of SAE AS6285.<br>Airport Authority can intervene in case of non-adherence.                                                                                                                                                                                                                                                                         |
| 5 | Hangar space for visiting aircraft      | For ACFT up to 77'000 kg, type A320                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 6 | Repair facilities for visiting aircraft | Major and minor aircraft and engine repairs:<br><ul style="list-style-type: none"> <li>FARNER (ACFT up to 5700 kg): +41 (0) 27 322 97 31</li> <li>Dassault Aviation Business Services: +351 210 322 824</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7 | Remarks                                 | For non-based aircraft with MTOM > 3 tons, a handling agent is mandatory. Self-handling is not allowed. The handling agents are:<br><b>Aéroport de Sion</b><br>Phone: +41 (0)27 329 06 00<br>Fax: +41 (0)27 329 06 16<br>Email: aeroport@sion.ch<br><b>Signature Flight Support</b><br>Phone: +41 (0)27 305 24 24<br>Fax: +41 (0)27 322 14 16<br>Email: sir@signatureflight.ch<br><b>Alpine Jet Services</b><br>Phone: +41 (0)27 327 30 50<br>Fax: +41 (0)27 327 30 51<br>Email: handling@alpinejet.ch<br>For such FLT's the name of the handling agent shall be entered in item 18 "other information" of the ICAO flight plan. |

## LSGS AD 2.5 PASSENGER FACILITIES

|   |                      |                                                                                                                |
|---|----------------------|----------------------------------------------------------------------------------------------------------------|
| 1 | Hotels               | In the city                                                                                                    |
| 2 | Restaurants          | At AD and in the city                                                                                          |
| 3 | Transportation       | Buses, taxis and car rental from the AD. Trains in city                                                        |
| 4 | Medical facilities   | First aid at AD, Ambulance O/R, Hospitals in the city                                                          |
| 5 | Bank and Post Office | In the city, Cash dispenser and Letterbox at AD within AD OPS HRS                                              |
| 6 | Tourist Office       | Office in the city:<br>Phone: +41 (0) 27 327 77 27<br>Fax: +41 (0) 27 322 77 28<br>Email: info@siontourisme.ch |
| 7 | Remarks              | NIL                                                                                                            |

## LSGS AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

|   |                                             |                                                                                                                                 |
|---|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1 | AD category for fire fighting               | Category 5 for charter traffic<br>Category 3 for other traffic<br>HYR than Category 3 (max category 7): O/R 3 HR before ETA/ETD |
| 2 | Rescue equipment                            | 4 fire engines, 1 ramp control vehicle                                                                                          |
| 3 | Capability for removal of disabled aircraft | Crane, lifting bags and hydraulic jacks up to 20 t.                                                                             |
| 4 | Remarks                                     | RFF not available during snow clearing                                                                                          |

**LSGS AD 2.7 SEASONAL AVAILABILITY - CLEARING**

|   |                               |                                                                                                                                                                        |
|---|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Type(s) of clearing equipment | 4 snow blowers, 4 snow ploughs, 4 jet sweepers, 3 RWY de-icer, 1 aircraft de-icer                                                                                      |
| 2 | Clearance priorities          | 1. RWY and associated TWY to apron<br>2. Other TWY and ACFT stands                                                                                                     |
| 3 | Remarks                       | Information on snow clearance published from NOV 01 - APR 30 in NOTAM (SNOWTAM)<br>RWY 07/25 de-iced / anti-iced with betaine: BETAFROST (liquid) / NUTRISTIM (solid). |

**LSGS AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA**

|   |                                                      |                                                                                              |
|---|------------------------------------------------------|----------------------------------------------------------------------------------------------|
| 1 | Designation, surface and strength of Aprons          | CONC / ASPH<br>PCN 40 F/B/X/T                                                                |
| 2 | Designation, width, surface and strength of Taxiways | 15/20 m<br>CONC / ASPH<br>PCN 40 F/B/X/T<br>Details: Ref to <a href="#">LSGS AD 2.24.1/2</a> |
| 3 | ACL location and elevation                           | No ACL markings                                                                              |
| 4 | Location of VOR checkpoints                          | NIL                                                                                          |
| 5 | Location of INS checkpoints                          | NIL                                                                                          |
| 6 | Remarks                                              | NIL                                                                                          |

**LSGS AD 2.9 SURFACE MOVEMENT GUIDANCE, CONTROL SYSTEM AND MARKINGS**

|   |                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands | ACFT stand identification markings. Lead-in, stop and lead-out lines. Apron safety lines. Marshalling available on sectors North, Grély and South-East.                                                                                                                                                                                                                                                                    |
| 2 | RWY/TWY markings and LGT                                                                                      | RWY markings: D-THR, designation, centre line and pre-THR area, side stripe.<br>RWY LGT: see <a href="#">LSGS AD 2.14</a><br>TWY markings: Centre line, intermediate holding positions, runway holding position and mandatory instruction at all intersections with RWY.<br>TWY LGT: see <a href="#">LSGS AD 2.15</a><br>Mandatory instruction signs at all RWY holding positions. Information signs on the movement area. |
| 3 | Stop bars and RWY guard lights                                                                                | Stop bars: NIL<br>RWY guard lights: on TWY A and B                                                                                                                                                                                                                                                                                                                                                                         |
| 4 | Other RWY protection measures                                                                                 | NIL                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 5 | Remarks                                                                                                       | The portion of TWY A east of TWY B is located within the runway strip. No use without ATC instructions.                                                                                                                                                                                                                                                                                                                    |

LSGS AD 2.10 AERODROME OBSTACLES

| In approach/TKOF areas |                                            |              |                           | In circling area and at aerodrome          |              |                                                                                     |          |
|------------------------|--------------------------------------------|--------------|---------------------------|--------------------------------------------|--------------|-------------------------------------------------------------------------------------|----------|
| 1                      |                                            |              |                           | 2                                          |              |                                                                                     | 3        |
| RWY/Area affected      | Obstacle type<br>Elevation<br>Markings/LGT | Co-ordinates |                           | Obstacle type<br>Elevation<br>Markings/LGT | Co-ordinates |                                                                                     | RMK      |
| a                      | b                                          |              | c                         | a                                          |              | b                                                                                   | c        |
|                        |                                            | ft           |                           |                                            | ft           |                                                                                     |          |
| AOC 07 (1)             | Enclosure                                  | 1591         | 46 13 22 N<br>007 20 23 E | Power line                                 | 85m<br>AGL   | 46 15 47 N<br>007 14 30 E<br>46 15 27 N<br>007 14 14 E                              | B0060/02 |
| AOC 07 (2)             | Pole                                       | 1592         | 46 13 23 N<br>007 20 24 E | Building                                   | 1677         | 46 13 31 N<br>007 21 26 E                                                           |          |
| AOC 07 (3)             | Tree/Trees                                 | 1611         | 46 13 24 N<br>007 20 31 E | Antenna<br>marked                          | 4216         | 46 11 30 N<br>007 20 04 E                                                           |          |
| AOC 07 (3a)            | Tree/Trees                                 | 1628         | 46 13 22 N<br>007 20 43 E | Building<br>LGTD                           | 1624         | 46 13 29 N<br>007 20 53 E                                                           |          |
| AOC 07 (3b)            | Tree/Trees                                 | 1645         | 46 13 32 N<br>007 20 56 E | Tree/trees                                 | 1804         | 46 13 04 N<br>007 18 26 E                                                           |          |
| AOC 07 (4)             | Tree/Trees                                 | 1681         | 46 13 33 N<br>007 20 59 E | Tree/trees                                 | 1844         | 46 13 11 N<br>007 18 44 E                                                           |          |
| AOC 07 (5)             | Tree/Trees                                 | 1689         | 46 13 33 N<br>007 20 59 E | Crane/cranes                               | 1686         | 46 12 55 N<br>007 17 53 E                                                           | B0032/04 |
| AOC 07 (6)             | Tree/Trees                                 | 1711         | 46 13 37 N<br>007 21 14 E | Tower/Mast<br>marked                       | 1693         | 46 12 51 N<br>007 18 41 E                                                           |          |
| AOC 07 (7)             | Tempo crane                                | 1754         | 46 13 42 N<br>007 21 39 E | Building                                   | 1614         | 46 13 20 N<br>007 20 08 E                                                           |          |
| AOC 07 (8)             | Power line                                 | 1920         | 46 14 03 N<br>007 24 46 E | Building                                   | 1670         | 46 13 29 N<br>007 20 36 E                                                           |          |
| AOC 07 (9)             | Tree/Trees                                 | 1940         | 46 14 05 N<br>007 24 52 E | Building                                   | 1690         | 46 13 21 N<br>007 19 54 E                                                           |          |
| AOC 07 (10)            | Tree/Trees                                 | 2081         | 46 14 05 N<br>007 24 57 E | Tree/trees                                 | 1634         | 46 13 15 N<br>007 19 43 E                                                           |          |
| AOC 07 (11)            | Tree/Trees                                 | 2200         | 46 14 07 N<br>007 25 04 E | Power line                                 | 90 m<br>AGL  | 46 13 13 N<br>007 14 50 E<br>46 13 20 N<br>007 14 43 E<br>46 13 28 N<br>007 14 43 E | B0059/02 |
| AOC 07 (12)            | Tree/Trees                                 | 2337         | 46 14 09 N<br>007 25 09 E | Building<br>LGTD                           | 1611         | 46 13 19 N<br>007 20 01 E                                                           | B0391/14 |
| AOC 07 (13)            | Tree/Trees                                 | 2501         | 46 14 10 N<br>007 25 15 E | Crane/cranes<br>marked/LGTD                | 1670         | 46 13 12 N<br>007 20 19 E                                                           | B0411/05 |
| AOC 07 (14)            | Tree/Trees                                 | 2590         | 46 14 12 N<br>007 25 24 E | Crane/cranes<br>marked                     | 1690         | 46 13 28 N<br>007 20 19 E                                                           | B0322/22 |
| AOC 07 (15)            | Tree/Trees                                 | 2735         | 46 14 14 N<br>007 25 30 E | Aerial railway<br>marked                   | 3649         | 46 10 16 N<br>007 13 17 E<br>46 09 52 N<br>007 14 39 E                              | B0360/09 |
| AOC 07 (16)            | Tree/Trees                                 | 2865         | 46 14 21 N<br>007 25 50 E |                                            |              |                                                                                     |          |
|                        |                                            |              |                           |                                            |              |                                                                                     |          |
| AOC 25 (1)             | Enclosure                                  | 1585         | 46 13 01 N<br>007 18 49 E | Antenna                                    | 1697         | 46 13 40 N<br>007 21 32 E                                                           | B0512/06 |
| AOC 25 (2)             | Tree/Trees                                 | 1590         | 46 13 01 N<br>007 18 49 E | Crane<br>marked/LGTD                       | 1664         | 46 12 52 N<br>007 17 43 E                                                           | B1102/07 |
| AOC 25 (3)             | Tree/Trees                                 | 1591         | 46 13 01 N<br>007 18 44 E | Antenna<br>LGTD                            | 1631         | 46 13 11 N<br>007 19 12 E                                                           | B0488/08 |

| In approach/TKOF areas                                                                                                                 |                                            |              |                           | In circling area and at aerodrome          |              |                           |          |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------|---------------------------|--------------------------------------------|--------------|---------------------------|----------|
| 1                                                                                                                                      |                                            |              |                           | 2                                          |              |                           | 3        |
| RWY/Area affected                                                                                                                      | Obstacle type<br>Elevation<br>Markings/LGT | Co-ordinates |                           | Obstacle type<br>Elevation<br>Markings/LGT | Co-ordinates |                           | RMK      |
| a                                                                                                                                      | b                                          | c            |                           | a                                          | b            | c                         |          |
|                                                                                                                                        |                                            | ft           |                           |                                            | ft           |                           |          |
| AOC 25 (4)                                                                                                                             | Pole                                       | 1592         | 46 12 56 N<br>007 18 45 E | Chimney<br>LGTD                            | 1629         | 46 13 30 N<br>007 20 55 E | B1240/13 |
| AOC 25 (5)                                                                                                                             | Pole                                       | 1596         | 46 12 56 N<br>007 18 41 E | Tower/Mast<br>LGTD                         | 1613         | 46 13 07 N<br>007 19 49 E | B0629/05 |
| AOC 25 (6)                                                                                                                             | Building                                   | 1600         | 46 12 59 N<br>007 18 39 E | Crane/Cranes<br>marked/LGTD                | 1761         | 46 13 43 N<br>007 21 46 E | B0064/22 |
| AOC 25 (7)                                                                                                                             | Building                                   | 1602         | 46 13 00 N<br>007 18 36 E | Crane/Cranes<br>marked/LGTD                | 1663         | 46 13 22 N<br>007 20 01 E | B0882/14 |
| AOC 25 (8)                                                                                                                             | Building                                   | 1608         | 46 13 00 N<br>007 18 35 E | Crane/Cranes<br>marked/LGTD                | 1657         | 46 12 51 N<br>007 17 55 E | B0105/15 |
| AOC 25 (9)                                                                                                                             | Pole                                       | 1628         | 46 13 00 N<br>007 18 30 E | Crane/Cranes<br>marked/LGTD                | 1739         | 46 13 21 N<br>007 21 57 E | B0653/19 |
| AOC 25 (10)                                                                                                                            | Pole                                       | 1631         | 46 12 59 N<br>007 18 27 E | Crane/Cranes<br>marked/LGTD                | 1729         | 46 13 41 N<br>007 21 35 E | B0609/22 |
| AOC 25 (11)                                                                                                                            | Tree/Trees                                 | 1641         | 46 12 59 N<br>007 18 24 E | Crane/Cranes<br>marked/LGTD                | 1704         | 46 13 40 N<br>007 21 36 E | B1593/21 |
| AOC 25 (12)                                                                                                                            | Tree/Trees                                 | 1669         | 46 12 52 N<br>007 18 27 E |                                            |              |                           |          |
| AOC 25 (13)                                                                                                                            | Power line                                 | 1696         | 46 12 46 N<br>007 18 10 E | Crane/Cranes<br>marked/LGTD                | 1754         | 46 13 42 N<br>007 21 39 E | B0185/22 |
|                                                                                                                                        |                                            |              |                           |                                            |              |                           |          |
| Refer also to LSGS AOC 07/25, <a href="#">LSGS AD 2.24</a> .4 - 1<br>Number in brackets is equivalent to identification number on AOC. |                                            |              |                           |                                            |              |                           |          |

**LSGS AD 2.11 METEOROLOGICAL INFORMATION PROVIDED**

|    |                                                                     |                                                                                                 |
|----|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| 1  | Associated MET Office                                               | MeteoSwiss                                                                                      |
| 2  | Hours of service                                                    | H24                                                                                             |
| 3  | Office responsible for TAF preparation<br>Periods of validity       | MeteoSwiss, Geneva<br>9 hours                                                                   |
| 4  | Type of landing forecast                                            | NIL                                                                                             |
| 5  | Briefing/consultation provided                                      | Self Briefing Service ( <a href="http://www.skybriefing.com">www.skybriefing.com</a> )          |
| 6  | Flight documentation<br>Language(s) used                            | Digital and hard copy<br>En, Ge, Fr                                                             |
| 7  | Charts and other information available for briefing or consultation | All area forecast charts available worldwide                                                    |
| 8  | Supplementary equipment available for providing information         | Internet connection in the briefing room                                                        |
| 9  | ATS units provided with information                                 | Sion TWR                                                                                        |
| 10 | Additional information (limitation of service, etc.)                | Phone: Weather briefing: 0900 162 767 (Fr),<br>0900 162 737 (Ge); accessible within Switzerland |

LSGS AD 2.12      RUNWAY PHYSICAL CHARACTERISTICS

| Designations<br>RWY NR | TRUE &<br>MAG<br>BRG | Dimensions<br>of RWY (m) | Strength (PCN)<br>and surface of<br>RWY and SWY | THR<br>COORD                  | THR elevation<br>and highest<br>elevation of TDZ<br>of precision APP<br>RWY | Slope of<br>RWY-SWY        |
|------------------------|----------------------|--------------------------|-------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------|----------------------------|
| 1                      | 2                    | 3                        | 4                                               | 5                             | 6                                                                           | 7                          |
| 07                     | 073° GEO<br>070° MAG | 2000 x 40                | PCN 40 F/ B/ X/ T<br>ASPH                       | 46 13 00.73N<br>007 18 55.42E | 1575 ft                                                                     | Refer to:<br><br>AOC 07/25 |
| 25                     | 253° GEO<br>250° MAG |                          |                                                 | 46 13 18.56N<br>007 20 19.05E | 1582 ft                                                                     |                            |
| 07 GRASS               | 073° GEO<br>070° MAG | 660 x 30                 | 0.25 MPa<br>5700 kg MPW <sup>1</sup><br>GRASS   | NIL                           | NIL                                                                         | NIL                        |
| 25 GRASS               | 253° GEO<br>250° MAG |                          | 0.25 MPa<br>5700 kg MPW <sup>1</sup><br>GRASS   |                               |                                                                             |                            |

<sup>1</sup> Maximum permissible weight

| Designations<br>RWY<br>NR | SWY<br>dimensions<br>(m) | CWY<br>dimensions<br>(m) | Strip<br>dimensions<br>(m) | OFZ | Remarks                                            |
|---------------------------|--------------------------|--------------------------|----------------------------|-----|----------------------------------------------------|
| 1                         | 8                        | 9                        | 10                         | 11  | 12                                                 |
| 07                        | NIL                      | 60                       | 2120 x 150                 | NIL | Non-instrument runway<br>not grooved<br>RESA: 90 m |
| 25                        |                          | 60                       |                            |     | Non-instrument runway<br>not grooved<br>RESA: 90 m |
| 07 GRASS                  | NIL                      | NIL                      | 720 x 60                   | NIL | Only VFR operations (see LSGS AD INFO)             |
| 25 GRASS                  |                          |                          |                            |     |                                                    |

LSGS AD 2.13      DECLARED DISTANCES

| RWY<br>Designator | TORA (m) | TODA (m) | ASDA (m) | LDA (m)        | Remarks                                   |
|-------------------|----------|----------|----------|----------------|-------------------------------------------|
| 1                 | 2        | 3        | 4        | 5              | 6                                         |
| 07                | 2000     | 2060     | 2000     | 1935           | MAX length                                |
|                   | 1500     | 1560     | 1500     | Not applicable | Intersection H                            |
|                   | 1150     | 1210     | 1150     | Not applicable | Intersection G                            |
| 25                | 2000     | 2060     | 2000     | 1940           | MAX length                                |
|                   | 1800     | 1860     | 1800     | Not applicable | Intersection E                            |
|                   | 1625     | 1685     | 1625     | Not applicable | Intersection B                            |
|                   | 1355     | 1415     | 1355     | Not applicable | Intersection C                            |
|                   | 1330     | 1390     | 1330     | Not applicable | Intersection F                            |
| 07 GRASS          | 560      | 560      | 560      | 660            | Only VFR operations<br>(see LSGS AD INFO) |
| 25 GRASS          | 660      | 660      | 660      | 560            |                                           |

LSGS AD 2.14      APPROACH AND RUNWAY LIGHTING

| RWY<br>Designator | ALS<br>Type<br>LEN,<br>INTST | THR<br>LGT<br>Colour,<br>INTST,<br>WBAR | VASIS<br>Type<br>PSN<br>MEHT | RTZL<br>LEN,<br>INTST | RCLL<br>LEN,<br>spacing,<br>colour,<br>INTST | REDL<br>LEN,<br>spacing,<br>colour,<br>INTST                                 | RENL<br>Colour,<br>INTST | SWY<br>LGT<br>LEN,<br>colour | RMK |
|-------------------|------------------------------|-----------------------------------------|------------------------------|-----------------------|----------------------------------------------|------------------------------------------------------------------------------|--------------------------|------------------------------|-----|
| 1                 | 2                            | 3                                       | 4                            | 5                     | 6                                            | 7                                                                            | 8                        | 9                            | 10  |
| 07                | SALS<br>540 m<br>LIH         | RTHL<br>G LIH<br>WBAR                   | PAPI 4.0°,<br>L,<br>12.33 m  | NIL                   | NIL                                          | 65 m, 50 m,<br>R, LIH;<br>1335 m,<br>50 m, W, LIH;<br>600 m, 50 m,<br>Y, LIH | R, LIH                   | NIL                          | NIL |
| 25                | SALS<br>540 m<br>LIH         | RTHL<br>G LIH<br>WBAR                   | PAPI 4.0°,<br>L,<br>12.12 m  | NIL                   |                                              | 60 m, 50 m,<br>R, LIH;<br>1340 m,<br>50 m, W, LIH;<br>600 m, 50 m,<br>Y, LIH | R, LIH                   | NIL                          | NIL |

PAPI 07 light beam is offset 2° south from runway axis. CTN: ICAO obstacle protection surface and PAPI light beam are penetrated by topography starting west of Chamoson village (D3.8 ISI).  
PAPI 25 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 Bramois village (D4.0 ISI).

LSGS AD 2.15      OTHER LIGHTING, SECONDARY POWER SUPPLY

|   |                                                          |                                                      |
|---|----------------------------------------------------------|------------------------------------------------------|
| 1 | ABN/IBN location, characteristics and hours of operation | NIL                                                  |
| 2 | LDI location and LGT<br>Anemometer location and LGT      | NIL                                                  |
| 3 | TWY edge and centre line lighting                        | Edge: TWY A*, B, C, D, F, G and S* (* near RWY only) |
| 4 | Secondary power supply/switch-over time                  | 25 Seconds (above ICAO Standard)                     |
| 5 | Remarks                                                  | NIL                                                  |

LSGS AD 2.16 HELICOPTER LANDING AREA

|   |                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Coordinates TLOF or THR of FATO                           | <b>Sector North:</b><br>46 13 19N / 007 20 23E<br><b>Sector Grély:</b><br>46 13 10N / 007 19 37E<br><b>Sector South-East:</b><br>46 13 19N / 007 20 43E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|   | Geoid undulation                                          | NIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2 | TLOF and/or FATO elevation                                | <b>Sectors North and South-East:</b><br>485 m / 1591 ft<br><b>Sector Grély:</b><br>483 m / 1584 ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 3 | TLOF and FATO area dimensions, surface, strength, marking | <b>All sectors:</b><br>HEL PRKG stands basically designed for rotor diameter 11.00 m and overall length 13.15 m. No simultaneous hover operations allowed on HEL stands.<br><b>Sector North:</b><br>FATO at THR 25, ASPH, runway markings.<br>2 HEL stands for non-based HEL:<br>Stand 21: 46 13 19.757N / 007 20 09.281E<br>Stand 22: 46 13 20.479N / 007 20 08.967E<br>2 HEL stands 81, 82 for Air Glaciers MAINT.<br>ASPH, touchdown markings.<br><b>Sector Grély:</b><br>FATO at midpoint RWY 07-25 (ARP), ASPH, runway markings.<br>2 HEL stands:<br>Stand 71: 46 13 05.189N / 007 19 36.843E<br>Stand 72: 46 13 05.407N / 007 19 37.873E<br>ASPH, touchdown markings.<br>2 HEL stands for taxiing HEL.<br>ASPH lead-in and stop line<br><b>Sector South-East:</b><br>FATO 20 m x 20 m, grass, identification and perimeter markings. Based HEL only. 9 HEL stands 1 to 9, ASPH, touchdown markings. Overall LEN 13.15 m, except PSN 1 with 13.65 m for approved OPR.<br>1 HEL stand 1A for larger HEL (rotor diameter 16 m and overall length 19 m, e.g. Super Puma). |
| 4 | True BRG of FATO                                          | <b>Sectors North and Grély:</b><br>RWY 07: 073°; RWY 25: 253°<br><b>Sector South-East:</b><br>RWY 07: 078°; RWY 25: 261°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 5 | Declared distance available                               | <b>Sectors North and Grély:</b> Ref: <a href="#">LSGS AD 2.13</a><br><b>Sector South-East:</b> FATO 20 m x 20 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 6 | APP and FATO lighting                                     | <b>Sectors North and Grély:</b> Ref: <a href="#">LSGS AD 2.14</a><br><b>Sector South-East:</b> NIL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 7 | Remarks                                                   | <b>All sectors:</b><br>HEL REP - Refer to VFR Manual.<br><b>Sector North:</b><br>In order to optimise the coordination of HEL traffic at Sion, PPR for non-based HEL. Parking up to 7 days maximum via:<br>Email: <a href="mailto:aeroport@sion.ch">aeroport@sion.ch</a> or<br>Phone: +41 27 329 06 00<br>For non-based HEL larger than rotor diameter 11.00 m or overall length 13.15 m, an authorisation is required before any ARR or DEP.<br>Phone: +41 27 329 06 00<br><b>Sector Grély:</b><br>Handling with Signature Flight Support mandatory.<br>ARR HEL must be towed away from the stand immediately after touchdown. Departing HEL must lift-off as soon as they have been positioned on the stand.<br>For HEL larger than rotor diameter 11.00 m or overall length 13.15 m, coordination is required with Signature Flight Support before any ARR or DEP.<br>Phone: +41 27 305 24 24<br><b>Sector South-East:</b><br>Based HEL only.                                                                                                                            |



**LSGS AD 2.17      ATS AIRSPACE**

|          |                                       |                                                                                                                                                                                                                                                           |
|----------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b> | <b>Designation and lateral limits</b> | <b>SION CTR</b><br>46 16 41N 007 26 05E - 46 14 00N 007 28 02E -<br>46 12 04N 007 23 51E - 46 10 20N 007 14 21E -<br>arc of circle 1.62 NM on - 46 11 54N 007 13 45E - clockwise<br>46 13 27N 007 13 04E - 46 15 06N 007 20 51E -<br>46 16 41N 007 26 05E |
| <b>2</b> | <b>Vertical limits</b>                | FL 130                                                                                                                                                                                                                                                    |
| <b>3</b> | <b>Airspace classification</b>        | D                                                                                                                                                                                                                                                         |
| <b>4</b> | <b>ATS unit call sign Language(s)</b> | En; En and Fr for Non-Commercial VFR traffic.                                                                                                                                                                                                             |
| <b>5</b> | <b>Transition altitude</b>            | 17000 ft AMSL except 13000 ft AMSL for all SIDs                                                                                                                                                                                                           |
| <b>6</b> | <b>Remarks</b>                        | ACT: HX - ATIS (monitoring compulsory)                                                                                                                                                                                                                    |

**LSGS AD 2.18      ATS COMMUNICATION FACILITIES**

| <b>Service designation</b> | <b>Call sign</b>   | <b>Frequency</b>           | <b>Hours of Operation</b> | <b>Remarks</b>                                                       |
|----------------------------|--------------------|----------------------------|---------------------------|----------------------------------------------------------------------|
| <b>1</b>                   | <b>2</b>           | <b>3</b>                   | <b>4</b>                  | <b>5</b>                                                             |
| ATIS                       | NIL                | 130.630 MHz                | HX                        | Phone:      Service: +41 (0) 22 417 40 80                            |
| APP                        | SION RADAR         | 126.825 MHz                | HO                        | Language: En                                                         |
| TWR                        | Sion Tower         | 118.275 MHz<br>119.700 MHz | HX                        | ALTN FREQ<br>Language: En; En and Fr for Non-Commercial VFR traffic. |
| FIC                        | Geneva Information | 126.350 MHz                | H24                       | NIL                                                                  |
| GND                        | Sion Ground        | 121.705 MHz                | HX                        | Language: En; En and Fr for Non-Commercial VFR traffic.              |

**LSGS AD 2.19      RADIO NAVIGATION AND LANDING AIDS**

| <b>Type Category (Variation)</b> | <b>ID</b> | <b>Frequency</b>  | <b>Hours of operation</b> | <b>Site of transmitting antenna coordinates</b> | <b>Elevation of DME transmitting antenna</b> | <b>Remarks</b>                                                                                                                                                                    |
|----------------------------------|-----------|-------------------|---------------------------|-------------------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b>                         | <b>2</b>  | <b>3</b>          | <b>4</b>                  | <b>5</b>                                        | <b>6</b>                                     | <b>7</b>                                                                                                                                                                          |
| SION DVOR/DME (VAR 3° E)         | SIO       | 112.15 MHz<br>58Y | H24                       | 46 12 55.8N<br>007 17 19.6E                     | 1594 ft                                      | PSN: 260° MAG, 2.2 NM FM THR 25.<br>DOC 40 NM / 25'000 ft. Service range outside published IAC and SID PROC unreliable.                                                           |
| LOC 25                           | ISI       | 110.70 MHz        | H24                       | 46 12 57.1N<br>007 18 40.4E                     |                                              | LOC PSN: 252° MAG, 2214 m FM THR 25.<br>LOC course 244° MAG.<br>Front course sector width 2°.<br>Restricted coverage:<br>6 to 30 NM - +/- 8° from CL above 5° elevation from LOC. |
| GP 25                            |           | 330.20 MHz        | H24                       | 46 13 54.7N<br>007 23 07.2E                     |                                              | GP Angle 6°.<br>PSN: 072° MAG 3774 m before THR 25.<br>Restricted coverage:<br>6 to 30 NM - +/- 8° from CL above 5° elevation from LOC.                                           |
| DME 25                           | ISI       | 44X               | H24                       | 46 12 54.7N<br>007 18 46.2E                     | 1609 ft                                      | DME Co-located with LOC.<br>1.2 NM DME THR 25.<br>Restricted coverage:<br>6 to 30 NM - +/- 8° from CL above 5° elevation from LOC.                                                |

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## LSGS AD 2.20 LOCAL AERODROME REGULATIONS

### 1. Local flying restrictions and remarks

AD is for joint use: CIV and MIL.

Use is only by ACFT carrying SVCBL RTF equipment. Exemption from this restriction is granted in exceptional cases. Special permission to be requested by TEL prior to TKOF.

Use of paved RWY is compulsory for all aeroplanes during GLD ACT.

Reserved GLD SECT:

PJE: Refer to VFR Manual, LSGS VAC.

Use of reverse thrust:

For deceleration, it is recommended that the entire RWY LEN AVBL is used; use of reverse thrust shall be limited unless particular safety or operational reasons require it.

MON-SAT: 0600 - 0700 (0500 - 0600), 1100 - 1200 (1000 - 1100), 1700 - 1900 (1600 - 1800) and SUN-HOL, following operations are prohibited:

- AD circuits for
  - non based ACFT
  - noise Category A and B ACFT
  - multi engine ACFT
- aerobatics FLT in the CTR (except gliders) and in the TMA
- engine and reactors control
- technical FLT
- LDG, APCH with go-around, TKOF of ACFT noise Category I/II/III and civil registered fighters are subject to special AUTH.

### 2. MIL Equipment

- The runway is equipped with 2 retractable MIL arresting cables, located between the thresholds. Cables are retracted when CIV ACFT use RWY. The distance between the cables is 1250 m. If those are not retracted, CIV aircraft are prohibited from rolling over them.

### 3. Airport regulation

At Sion AP, a number of local regulations apply. The regulations are included in a manual which is AVBL at the AIS briefing office. This manual includes, among other subjects, the following:

- a. the meaning of markings and signs;
- b. information about ACFT parking;
- c. HEL operations;
- d. GLD ACT;
- e. PJE;
- f. aerobatics;
- g. marshaller assistance and towing;
- h. engine start-up and use of APU.

Departing IFR FLTs shall always contact Sion Ground 121.705 MHz to obtain start-up and ATC clearance.

Marshaller assistance or "Follow me" vehicles can be requested and further information about the regulation can be obtained from Sion Ground or the AIS.

When a local regulation is of importance for the safe operation of ACFT on the apron, the information will be given to each ACFT by Sion Ground or the AIS.

"Local regulations" may be requested, in writing, from:

Post: Aéroport de Sion  
Route de l'aéroport  
CH-1950 Sion

**4. ACFT guidance on apron****4.1 General**

For taxi instruction, contact GND on FREQ 121.705 MHz. Pilot in command remains responsible for avoidance of collision with ACFT and objects outside of the ATS responsibility BDRY.

**4.2 Area of responsibility**

The exact ATS responsibility BDRY is shown on the AD-chart [LSGS AD 2.24.1](#) - 1.

**4.3 Operational hours**

HO; REF: [LSGS AD 2.3](#).

**5. Aircraft parking SECTOR NORTH**

Parking on north apron dedicated to non-based ACFT and scheduled FLTs only (7 days maximum).

Except parking "GVM", dedicated to the Air Club Sion.

Transit parking dedicated to ACFT with a MTOM over 3 tons. Permission are allowed only by the airport authority at least 24 H in advance.

Phone: +41 (0) 27 329 06 00 or

Email: [aeroport@sion.ch](mailto:aeroport@sion.ch)

**6. High-visibility equipment**

All crew on the movement area must wear yellow high-visibility safety equipment (jacket or vest) compliant with the EN 471 standard.

**LSGS AD 2.21 NOISE ABATEMENT PROCEDURES****1. Auxiliary Power Units (APU)****1.1 The following regulations are applicable to use of APU:**

- a MAX of 15 MIN prior to ACFT DEP
- a MAX of 10 MIN after ACFT ARR

The use of APU for MAINT shall be restricted to a MNM DUR.

## LSGS AD 2.22 FLIGHT PROCEDURES

### 1. Special regulations for IFR approach and departure

#### 1.1 IFR procedures

The use of IFR APCH or DEP procedures in Sion is limited to pilots, operators and ACFT fulfilling the respective airport qualifications. Pilots must hold a type A or B qualification.

- **Type A** qualification is obtained by achieving a self-Airport Briefing performed on the website:  
URL: [www.sion-qualification.ch](http://www.sion-qualification.ch)
- **Type B** qualification is obtained by achieving a flight program performed either on the ACFT or on a simulator. The flight program has to be submitted to an organisation authorized by Sion Airport Authority to deliver the type B qualification.

Referring to the type B qualification for multi crew, only the PIC, who must be the Pilot Flying, has to hold a type B qualification while the Pilot Non Flying only needs to hold a type A qualification.

##### 1.1.1 IFR approach procedures

Any approaching ACFT must comply with the requirements of the ACFT, as well as with the relevant procedures published on the approach charts.

- Approach to RWY 25**  
Initial APCH at 6.0° and final APCH and LDG at 4.0°. This approach is not considered as a "steep approach", as the last 7 NM are calculated with an APCH angle of 4.0° and are performed visually.
- Circling Procedures RWY 07**  
Initial APCH to RWY 25 at 6.0° followed by circling procedure, which is available to ACFT categories A, B with speed limit of 125KT. Only available for pilot type B qualification.
- Instrument approach procedures available for pilot **type A** qualification  
**IGS RWY 25, DA 8000 ft** Conditions: VIS 8000 m and ceiling 6500 ft AAL, day only.
- Instrument approach procedures available for pilot **type B** qualification  
**IGS RWY 25, DA according to ACFT PER**
  - **IGS RWY 25 Day** Conditions: VIS 5000 m.
  - **IGS RWY 25 Night** Conditions: VIS 5000 m, ACFT able to fly a high PER DEP, only when RWY 25 in use.  
**RNP RWY 25 (AR), DA according to ACFT CAT**
  - **RNP RWY 25 (AR) Day** Conditions: NAA approved (Special aircraft and aircrew authorisation required)
  - **RNP RWY 25 (AR) Night** Conditions: ACFT able to fly a high PER DEP, only when RWY 25 in use.  
NAA approved (Special aircraft and aircrew authorisation required).

##### 1.1.2 IFR departure procedures

Any departing ACFT must comply with the requirements of the ACFT as well as with the relevant procedures published on the SID charts.

- Instrument departure procedures available for pilot **type A** qualification
  - Low PER SIDs (via GS300)** Conditions: VIS 8000 m and ceiling 7400 ft AAL, VFR must be maintained until GS300, day only.
  - High PER SIDs** Conditions: VIS 5000 m and ceiling 6500 ft AAL, day only.
- Instrument departure procedures available for pilot **type B** qualification
  - Low PER SIDs (via GS300)** Conditions: VIS 5000 m and ceiling 5400 ft AAL, VFR must be maintained until GS300, day only.
  - High PER SIDs** Conditions: RVR 550 m, day and night.

## 1.1.3 Requirements overview

| REQUIREMENTS OVERVIEW         |                                                                                                                                                                                                                |                           |                                                                                              |                                                                                                                  |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Flight operation & procedures |                                                                                                                                                                                                                | Requirements & Conditions |                                                                                              |                                                                                                                  |
|                               |                                                                                                                                                                                                                | Pilot Qualification       | Conditions                                                                                   | Aircraft Performance                                                                                             |
| VFR departure                 |                                                                                                                                                                                                                | NIL                       | VMC                                                                                          | NIL                                                                                                              |
| IFR departure                 | Low PER SIDs (via GS300), day only                                                                                                                                                                             | A / B                     | A: VIS 8000 m + ceiling 7400 ft AAL,<br>B: VIS 5000 m + ceiling 5400 ft AAL,<br>VFR to GS300 | NIL                                                                                                              |
|                               | High PER SIDs, day only                                                                                                                                                                                        | A                         | VIS 5000 m + ceiling 6500 ft AAL                                                             | High PER                                                                                                         |
|                               | High PER SIDs, day and night                                                                                                                                                                                   | B                         | RVR 550 m                                                                                    | High PER                                                                                                         |
| VFR approach & landing        |                                                                                                                                                                                                                | NIL                       | VMC                                                                                          | NIL                                                                                                              |
| IFR approach & landing        | IGS RWY 25, DA 8000 ft, day only                                                                                                                                                                               | A                         | VIS 8000 m + ceiling 6500 ft AAL                                                             | OEI ceiling for APCH 14500 ft AMSL.<br><br>Able for a 6° glide path angle.<br><br>OEI missed APCH climb gradient |
|                               | IGS RWY 25, DA according to ACFT PER, day only                                                                                                                                                                 | B                         | VIS 5000 m                                                                                   |                                                                                                                  |
|                               | IGS RWY 25, DA according to ACFT PER, night only                                                                                                                                                               | B                         | VIS 5000 m, high PER DEP, only if RWY 25 in use                                              |                                                                                                                  |
|                               | RNP RWY 25 (AR) DA according to ACFT CAT day only                                                                                                                                                              | B                         | NAA approved*                                                                                |                                                                                                                  |
|                               | RNP RWY 25 (AR), DA according to ACFT CAT night only                                                                                                                                                           | B                         | High PER DEP, only if RWY 25 in use<br>NAA approved*                                         |                                                                                                                  |
|                               | Circling RWY 07, day only                                                                                                                                                                                      | B                         | AVBL for ACFT categories A, B with speed limit of 125kt                                      |                                                                                                                  |
| Note:                         | 1) MNM climb gradient in accordance with LSGS AD 2.24.10.1 (go-around missed APCH climb gradient)<br>2) The conditions given by this table allow any ACFT category to operate, provided it fulfils the MAX IAS |                           |                                                                                              |                                                                                                                  |
| Legend:                       | NIL = not required<br>NAA = National Aviation Authority<br>* (Special aircraft and aircrew authorisation required)                                                                                             |                           |                                                                                              |                                                                                                                  |

#### 1.1.4 SID Descriptions

##### GENERAL INFORMATION FOR ALL SIDs

- MAX ALT applicable when MIL ON
- Contact Sion Ground 121.705 prior to start-up
- INITIAL CLIMB CLEARANCE: BY ATC

##### 1.1.4.1 SID RWY 07/25 - RNAV 1 - LOW PERFORMANCE

(see Chart LSGS AD 2.24.7 - 1)

| DESIGNATOR                                                  | RWY 07/25 RNAV 1                                                                                                                                                                                                            |                                                                                                                                                                                   |         |                                                                                                                               |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------|
|                                                             | ROUTE                                                                                                                                                                                                                       |                                                                                                                                                                                   |         |                                                                                                                               |
|                                                             | Lateral                                                                                                                                                                                                                     | Vertical                                                                                                                                                                          | Contact | Remark                                                                                                                        |
| <b>GOLEB 1V</b><br>PDG:<br>3.7% to 12500ft                  | Proceed VFR to GS300 (golf course and Lake Brèche beside Rhône River - East of St-Léonard). From GS300 proceed via GS301 (MAX IAS 220 kt during turn), GS202, GS203, GS204 and BERAR to GOLEB (MAX IAS 220 kt during turn). | Cross:<br>GS300 at 6000ft or above,<br>GS202 at 11000ft or below,<br>GS203 at 13000ft or below,<br>GS204 at 13000ft or above,<br>GOLEB at FL140 or above.                         | NIL     | Only for DEST within TMA LSGG or LFLB. For TFC DEST LSGG, join KINES arrival route. For TFC DEST LFLB/LFLP, follow route Y52. |
| <b>ROCCA 1V</b><br>PDG:<br>3.7% to 12500ft                  | Proceed VFR to GS300 (golf course and Lake Brèche beside Rhône River - East of St-Léonard). From GS300 proceed via GS301 (MAX IAS 230 kt during turn), GS202, GS203, GS204 and GS205 (MAX IAS 250 kt during turn) to ROCCA. | Cross:<br>GS300 at 6000ft or above,<br>GS202 at 11000ft or below,<br>GS203 at 13000ft or below,<br>GS204 at 13000ft or above,<br>GS205 at FL190 or above (FL180 or above by ATC). | NIL     | NIL                                                                                                                           |
| <b>SAINT-PREX 1V</b><br>(SPR 1V)<br>PDG:<br>3.7% to 12500ft | Proceed VFR to GS300 (golf course and Lake Brèche beside Rhône River - East of St-Léonard). From GS300 proceed via GS301 (MAX IAS 230 kt during turn), GS202, GS203, GS204 and BERAR (MAX IAS 250 kt during turn) to SPR.   | Cross:<br>GS300 at 6000ft or above,<br>GS202 at 11000ft or below,<br>GS203 at 13000ft or below,<br>GS204 at 13000ft or above,<br>BERAR at FL160 or above.                         | NIL     | NIL                                                                                                                           |

| Procedure Description of RNAV 1 SID GOLEB 1V |          |         |               |                  |                |               |
|----------------------------------------------|----------|---------|---------------|------------------|----------------|---------------|
| Path terminator                              | Waypoint | Flyover | Altitude (ft) | Speed limit (kt) | Track          | Distance (NM) |
| IF                                           | GS300    | -       | +6000         | -                | -              | -             |
| TF                                           | GS301    | Y       | -             | -                | 244° (246.5°T) | 7.8           |
| TF                                           | GS202    | -       | -11000        | -220             | 232° (235.2°T) | 6.4           |
| TF                                           | GS203    | -       | -13000        | -                | 232° (235.1°T) | 5.0           |
| TF                                           | GS204    | -       | +13000        | -                | 232° (235.0°T) | 7.8           |
| TF                                           | BERAR    | Y       | -             | -                | 232° (235.0°T) | 7.0           |
| TF                                           | GOLEB    | -       | +FL140        | -220             | 302° (304.8°T) | 10.1          |

| Procedure Description of RNAV 1 SID ROCCA 1V |          |         |               |                  |                |               |
|----------------------------------------------|----------|---------|---------------|------------------|----------------|---------------|
| Path terminator                              | Waypoint | Flyover | Altitude (ft) | Speed limit (kt) | Track          | Distance (NM) |
| IF                                           | GS300    | -       | +6000         | -                | -              | -             |
| TF                                           | GS301    | Y       | -             | -                | 244° (246.5°T) | 7.8           |
| TF                                           | GS202    | -       | -11000        | -230             | 232° (235.2°T) | 6.4           |
| TF                                           | GS203    | -       | -13000        | -                | 232° (235.1°T) | 5.0           |
| TF                                           | GS204    | -       | +13000        | -                | 232° (235.0°T) | 7.8           |
| TF                                           | GS205    | Y       | +FL190*       | -                | 232° (234.9°T) | 7.0           |
| TF                                           | ROCCA    | -       | -             | -250             | 189° (192.2°T) | 11.2          |

Note: \*+FL180 by ATC

| Procedure Description of RNAV 1 SID SPR 1V |          |         |               |                  |                |               |
|--------------------------------------------|----------|---------|---------------|------------------|----------------|---------------|
| Path terminator                            | Waypoint | Flyover | Altitude (ft) | Speed limit (kt) | Track          | Distance (NM) |
| IF                                         | GS300    | -       | +6000         | -                | -              | -             |
| TF                                         | GS301    | Y       | -             | -                | 244° (246.5°T) | 7.8           |
| TF                                         | GS202    | -       | -11000        | -230             | 232° (235.2°T) | 6.4           |
| TF                                         | GS203    | -       | -13000        | -                | 232° (235.1°T) | 5.0           |
| TF                                         | GS204    | -       | +13000        | -                | 232° (235.0°T) | 7.8           |
| TF                                         | BERAR    | Y       | +FL160        | -                | 232° (235.0°T) | 7.0           |
| TF                                         | SPR      | -       | -             | -250             | 334° (337.2°T) | 33.4          |

**1.1.4.2 SID RWY 25 - RNAV 1 - HIGH PERFORMANCE**

(see Chart LSGS AD 2.24.7 - 3)

| DESIGNATOR                                                   | RWY 25 RNAV 1                                                                                                               |  |                                                                                                                                                      |         |                                                                                                                                                                    |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                              | ROUTE                                                                                                                       |  |                                                                                                                                                      | Contact | Remark                                                                                                                                                             |
|                                                              | Lateral                                                                                                                     |  | Vertical                                                                                                                                             |         |                                                                                                                                                                    |
| <b>GOLEB 1D</b><br>PDG:<br>13.3% to 10100ft                  | Proceed via GS200, GS201 (MAX IAS 220 kt during turn), GS202, GS203, GS204 and BERAR to GOLEB (MAX IAS 220 kt during turn). |  | Cross:<br>GS202 at 11000ft or below,<br>GS203 at 13000ft or below,<br>GS204 at 13000ft or above,<br>GOLEB FL140 or above.                            | NIL     | No turn before GS200 (DER).<br>Only for DEST within TMA LSGG or LFLB.<br>For TFC DEST LSGG, join KINES arrival route.<br>For TFC DEST LFLB/LFLP, follow route Y52. |
| <b>ROCCA 1D</b><br>PDG:<br>13.3% to 10100ft                  | Proceed via GS200, GS201 (MAX IAS 230 kt during turn), GS202, GS203, GS204 and GS205 (MAX IAS 250 kt during turn) to ROCCA. |  | Cross:<br>GS202 at 11000ft or below,<br>GS203 at 13000ft or below,<br>GS204 at 13000ft or above,<br>GS205 at FL190 or above (FL180 or above by ATC). | NIL     | No turn before GS200 (DER).                                                                                                                                        |
| <b>SAINT-PREX 1D</b><br>(SPR 1D)<br>PDG:<br>13.3% to 10100ft | Proceed via GS200, GS201 (MAX IAS 230 kt during turn), GS202, GS203, GS204 and BERAR (MAX IAS 250 kt during turn) to SPR.   |  | Cross:<br>GS202 at 11000ft or below,<br>GS203 at 13000ft or below,<br>GS204 at 13000ft or above,<br>BERAR at FL160 or above.                         | NIL     | No turn before GS200 (DER).                                                                                                                                        |

| Procedure Description of RNAV 1 SID GOLEB 1D |          |         |               |                  |                |               |
|----------------------------------------------|----------|---------|---------------|------------------|----------------|---------------|
| Path terminator                              | Waypoint | Flyover | Altitude (ft) | Speed limit (kt) | Track          | Distance (NM) |
| DF                                           | GS200    | Y       | -             | -                | -              | -             |
| TF                                           | GS201    | Y       | -             | -                | 239° (241.9°T) | 3.7           |
| TF                                           | GS202    | -       | -11000        | -220             | 232° (235.2°T) | 4.4           |
| TF                                           | GS203    | -       | -13000        | -                | 232° (235.1°T) | 5.0           |
| TF                                           | GS204    | -       | +13000        | -                | 232° (235.0°T) | 7.8           |
| TF                                           | BERAR    | Y       | -             | -                | 232° (235.0°T) | 7.0           |
| TF                                           | GOLEB    | -       | +FL140        | -220             | 302° (304.8°T) | 10.1          |

Notes: Track adjustment at DER: 11° to the left

| Procedure Description of RNAV 1 SID ROCCA 1D |          |         |               |                  |                |               |
|----------------------------------------------|----------|---------|---------------|------------------|----------------|---------------|
| Path terminator                              | Waypoint | Flyover | Altitude (ft) | Speed limit (kt) | Track          | Distance (NM) |
| DF                                           | GS200    | Y       | -             | -                | -              | -             |
| TF                                           | GS201    | Y       | -             | -                | 239° (241.9°T) | 3.7           |
| TF                                           | GS202    | -       | -11000        | -230             | 232° (235.2°T) | 4.4           |
| TF                                           | GS203    | -       | -13000        | -                | 232° (235.1°T) | 5.0           |
| TF                                           | GS204    | -       | +13000        | -                | 232° (235.0°T) | 7.8           |
| TF                                           | GS205    | Y       | +FL190*       | -                | 232° (234.9°T) | 10.0          |
| TF                                           | ROCCA    | -       | -             | -250             | 189° (192.2°T) | 11.2          |

Notes: Track adjustment at DER: 11° to the left

\* +FL180 by ATC

| Procedure Description of RNAV 1 SID SPR 1D |          |         |               |                  |                |               |
|--------------------------------------------|----------|---------|---------------|------------------|----------------|---------------|
| Path terminator                            | Waypoint | Flyover | Altitude (ft) | Speed limit (kt) | Track          | Distance (NM) |
| DF                                         | GS200    | Y       | -             | -                | -              | -             |
| TF                                         | GS201    | Y       | -             | -                | 239° (241.9°T) | 3.7           |
| TF                                         | GS202    | -       | -11000        | -230             | 232° (235.2°T) | 4.4           |
| TF                                         | GS203    | -       | -13000        | -                | 232° (235.1°T) | 5.0           |
| TF                                         | GS204    | -       | +13000        | -                | 232° (235.0°T) | 7.8           |
| TF                                         | BERAR    | Y       | +FL160        | -                | 232° (235.0°T) | 7.0           |
| TF                                         | SPR      | -       | -             | -250             | 334° (337.2°T) | 33.4          |

Note: Track adjustment at DER: 11° to the left



**1.1.5 STAR Description****1.1.5.1 STAR TO GRANA - RNAV 5**

(see Chart LSGS AD 2.24.9 - 1)

| DESIGNATOR | STAR TO GRANA - RNAV 5                 |                |        |
|------------|----------------------------------------|----------------|--------|
|            | ROUTE                                  |                | Remark |
|            | Lateral                                | Vertical       |        |
| VADAR 2N   | From VADAR proceed via SOSAL to GRANA. | Refer to chart |        |
| VALOR 1W   | From VALOR proceed to GRANA.           | Refer to chart |        |

| Procedure Description of RNAV STAR VADAR 2N |          |         |               |                  |                |               |
|---------------------------------------------|----------|---------|---------------|------------------|----------------|---------------|
| Path terminator                             | Waypoint | Flyover | Altitude (ft) | Speed limit (kt) | Track          | Distance (NM) |
| -                                           | VADAR    | N       | +FL190        | -                | -              | -             |
| TF                                          | SOSAL    | N       | +17000        | -                | 135° (137.7°T) | 8.0           |
| TF                                          | GRANA    | N       | +17000        | -                | 118° (121.3°T) | 31.5          |

| Procedure Description of RNAV STAR VALOR 1W |          |         |               |                  |                |               |
|---------------------------------------------|----------|---------|---------------|------------------|----------------|---------------|
| Path terminator                             | Waypoint | Flyover | Altitude (ft) | Speed limit (kt) | Track          | Distance (NM) |
| -                                           | VALOR    | N       | +17000        | -                | -              | -             |
| TF                                          | GRANA    | N       | +17000        | -                | 057° (059.8°T) | 26.9          |

**1.2 RNP (AR) Approach description - SUSPENDED -****1.2.1 Approved users, equipment and operations**

- For the LSGS RNP (AR) Instrument Approach Procedure, the operators shall ensure that they hold all the necessary operational approvals as part of the Operations Specifications from its authority including the Baro-VNAV approval in order to conduct the RNP (AR) approach to LSGS (ref ICAO PBN Manual document 9613).
- Final Approach track offset by 8° right from RWCL intercepting the RWCL 480m before the THR.
- The operator must have a Special Authorization from its authority in order to use the RNP AR approaches to LSGS (ref EASA AMC 20-26).
- The operator is responsible of conducting a Flight Operation Safety Assessment (FOSA).
- The RNP (AR) approach procedures require a navigation accuracy of RNP 0.3 and RF-leg capability.
- The vertical guidance is based on Baro-VNAV with GNSS and requires RNAV equipment which uses barometric altimeter input.

**1.2.2 Limitations of the procedure**

- The procedure is designed for temperature from -20°C to +47°C at Sion. (Temperature correction of the barometric altimeter is not required).
- The Sion RNP Approach RWY 25 (AR) is only available each year from 01 November until the last day of February and outside of MIL OPR HRS.

1.2.3 RNP RWY 25 (AR) (see chart LSGS AD 2.24.10-5) - **SUSPENDED** -

| Path terminator | Waypoint ID | Flyover | Altitude (ft) | Speed limit (kt) | Turn direction | Track          | DIST (NM) | Descent gradient | RNP | Radius (NM) | Arc center ID |
|-----------------|-------------|---------|---------------|------------------|----------------|----------------|-----------|------------------|-----|-------------|---------------|
| IF              | GRANA (IAF) | N       | +17000        | 210              | -              | -              | -         | -                | 1.0 | -           | -             |
| TF              | GS615       | N       | -             | -                | -              | 042° (044.2°T) | 30.9      | -                | 1.0 | -           | -             |
| RF              | GS616 (IF)  | N       | -             | -                | R              | -              | 22.1      | -                | 1.0 | 6.85        | GS623         |
| TF              | GS608 (FAF) | N       | +17000        | -                | -              | 227° (228.9°T) | 3.8       | -                | 1.0 | -           | -             |
| TF              | GS607       | N       | -             | 160              | -              | 228° (229.7°T) | 10.7      | -3.6°            | 0.3 | -           | -             |
| RF              | GS606       | N       | -             | -                | R              | -              | 3.6       | -3.6°            | 0.3 | 5.21        | GS618         |
| TF              | GS605       | N       | -             | -                | -              | 268° (269.6°T) | 12.9      | -3.6°            | 0.3 | -           | -             |
| RF              | GS604       | N       | -             | -                | L              | -              | 2.0       | -3.6°            | 0.3 | 4.86        | GS619         |
| TF              | GS617       | Y       | -             | 160              | -              | 243° (245.1°T) | 10.9      | -3.6°            | 0.3 | -           | -             |
| TF              | GS609       | N       | -             | 165              | -              | 243° (244.9°T) | 3.8       | -                | 0.5 | -           | -             |
| RF              | GS610       | N       | -             | -                | L              | -              | 1.0       | -                | 0.5 | 5.87        | GS620         |
| TF              | GS611       | N       | -             | -                | -              | 233° (235.4°T) | 17.2      | -                | 0.5 | -           | -             |
| RF              | GS612       | N       | -             | 165              | R              | -              | 17.0      | -                | 1.0 | 4.34        | GS621         |
| TF              | GS613       | N       | -             | -                | -              | 097° (099.0°T) | 10.8      | -                | 1.0 | -           | -             |
| TF              | SIO         | N       | -             | -                | L              | 052° (054.1°T) | 9.2       | -                | 1.0 | -           | -             |
| TF              | GRANA       | N       | +17000        | 220              | R              | 066° (068.0°T) | 10.9      | -                | 1.0 | -           | -             |

### 1.3 Airport Qualification

To operate at Sion AP under IFR, the following AP requirements must be fulfilled:

- The ACFT must meet the PER: 6° INA, 4.0° final APCH and LDG.
- Operator's contingency procedures (if required by the type of FLT operation) must be calculated and AVBL.
- The PIC must hold a valid pilot qualification for the applicable type of operation and FLT procedures.

**Note:** When the PIC is not in a position to land, an EMERG must be declared.

To apply for the AP qualification, operators shall contact the Sion airport authority, CH-1950 Sion:

Phone: +41 (0) 27 329 06 00

Fax: +41 (0) 27 329 06 16

Email: aeroport@sion.ch

#### 1.3.1 Aircraft Requirements

Any ACFT to be operated under IFR at Sion AP shall be able to comply with the published IFR procedures § 2.22.1.1 or with approved company contingency procedures.

The MAX IAS, as published on the relevant charts, shall not be exceeded during the corresponding FLT manoeuvres. The procedures are designed for speed of ACFT categories A, B and C. Additional speed restrictions shall be OBS during APCH and missed APCH.

ACFT to be operated on an instrument APCH procedure shall be able to fly a 6° GP in INA and a 4.0° in LDG configuration.

**Note:** GP 25 antenna is located 2 NM in front of THR 25.

#### 1.3.2 Pilot Qualification

Pilots intending to operate under IFR rules at Sion AP shall hold a valid pilot qualification in accordance with the requirements of IFR procedures § 2.22.1.1.

**1.3.2.1 Pilot Qualification type A**

The Pilot Qualification type A is directly controlled by the Sion AP Authority and includes:

A theoretical self-instruction on:

- Sion general operational requirements (FOCA & Sion AP Authority),
- Local weather phenomena and dangers,
- Sion orographic and topographic situation, including all relevant obstacles,
- APCH and DEP procedures (VFR and IFR),

To apply for the Pilot Qualification type A, the pilot shall contact Sion AP Authority or consult Sion AP's qualification web site at URL: <http://www.sion-qualification.ch/>

**1.3.2.2 Pilot Qualification type B**

MNM training requirements for the AP Qualification are included in a so called "Training Requirements Application Manual (TRAM)" that can be requested from the Sion AP Authority. It also can be found at

URL: <http://www.sion-qualification.ch/>

Be aware: The Sion Type B Qualification obtained on a propeller aircraft is not valid for a Jet Aircraft.

However, a Type B Qualification obtained on a jet is valid for a propeller aircraft, starting from the principle that the propeller aircraft is able to comply with the requested performances.

**1.3.3 Airport qualification recency**

It is the operator/pilot's responsibility to comply at all times with the AP qualification recency requirements.

**1.3.3.1 Pilots part of private operator**

PICs are recent for IFR procedures and IGS operations, regardless of position, rank and function, if at least one APCH into- and one DEP from Sion are conducted within a 12 months period (valid until the end of the month), under normal IFR operations.

In case of an interruption of the recency of more than 12 months, a new qualification type A or B is required.

**2. VFR procedure**

Refer to VFR Manual, LSGS AD INFO.

**3. Description of Instrument Guidance System (IGS)**

IGS RWY 25 components:

- SIO VOR/DME for missed APCH and initial line-up
- ILS (LOC/GP/DME) for final line-up and from MASAB to MAPT LOC OPN angle: 2°
- GP PSN: 5988 m before LOC antenna

**3.1 Restrictions**

LOC and GP may only be used in the following area: angle of +/-8° of APCH axis and DIST of 30 - 6 NM DME LOC during APCH. MNM ELEV angle 5° from LOC.

**3.2 Procedure**

Due to the restricted coverage of the LOC, the initial line-up uses SIO. When inside the useable LOC area, establish on LOC.

IGS PROC may be flown as ILS PROC. The published ALT at DME LOC 22, 19, 14.2 and 11.8 are to be strictly OBS.

After RCH D7 ISI, PCD to RWY maintaining terrain clearance visually. At D7 ISI the RWY may not yet be in sight.

LOC track is 6.5° offset from RWY axis. APSG D7 ISI, CONT on track 244° until D6 SIO (ABM village St. Léonard, 3.9 NM to the RWY). Then turn left to visually intercept the EXT D RWY axis PSG slightly south of Sion hospital.

Follow the PAPI RWY 25 for final descent segment (4.0°).

**Note:** GP 25 antenna is located 2 NM in front of THR 25.

4. Minima for IFR departures (TKOF minima)

| RWY                 | 25          |           |             |             | 07          |             |
|---------------------|-------------|-----------|-------------|-------------|-------------|-------------|
| SID                 | 1D (HP)     |           | 1V ((LP)    |             | 1V (LP)     |             |
| Pilot qualification | A           | B         | A           | B           | A           | B           |
| day/night           | day only    | day/night | day only    | day only    | day only    | day only    |
| VIS                 | 5000 m      | RVR 550 m | 8000 m      | 5000 m      | 8000 m      | 5000 m      |
| Ceiling             | 6500 ft/AAL | N/A       | 7400 ft/AAL | 5400 ft/AAL | 7400 ft/AAL | 5400 ft/AAL |

LSGS AD 2.23      ADDITIONAL INFORMATION

1. List of significant points (Terminal)

| NAV point | COORD WGS84  |               | Purpose         |
|-----------|--------------|---------------|-----------------|
|           | LAT          | LONG          |                 |
| 1         | 2            |               | 3               |
| ALETO     | N 46 23 18.5 | E 007 52 40.4 | IAC LSGS        |
| BERAR     | N 45 57 22.5 | E 006 45 37.4 | SID LSGS        |
| GRANA     | N 46 17 00.5 | E 007 31 56.6 | STAR / IAC LSGS |
| GS200     | N 46 12 59.5 | E 007 18 49.8 | SID LSGS        |
| GS201     | N 46 11 15.2 | E 007 14 08.5 | SID LSGS        |
| GS202     | N 46 08 43.5 | E 007 08 54.9 | SID LSGS        |
| GS203     | N 46 05 51.8 | E 007 03 01.2 | SID LSGS        |
| GS204     | N 46 01 23.3 | E 006 53 50.6 | SID LSGS        |
| GS205     | N 45 55 38.2 | E 006 42 07.0 | SID LSGS        |
| GS300     | N 46 15 28.9 | E 007 26 43.2 | SID LSGS        |
| GS301     | N 46 12 22.6 | E 007 16 28.1 | SID LSGS        |
| GS601     | N 46 15 20.7 | E 007 53 43.3 | IAC LSGS        |
| GS602     | N 46 18 42.3 | E 008 03 31.3 | IAC LSGS        |
| GS603     | N 46 26 30.6 | E 008 02 17.0 | IAC LSGS        |
| GS604     | N 46 17 52.5 | E 007 34 33.8 | IAC LSGS        |
| GS605     | N 46 18 19.6 | E 007 37 26.2 | IAC LSGS        |
| GS606     | N 46 18 26.2 | E 007 56 01.9 | IAC LSGS        |
| GS607     | N 46 19 40.8 | E 008 00 51.8 | IAC LSGS        |
| GS608     | N 46 26 36.7 | E 008 12 39.6 | IAC LSGS        |
| GS609     | N 46 11 38.9 | E 007 15 20.0 | IAC LSGS        |
| GS610     | N 46 11 10.1 | E 007 14 07.9 | IAC LSGS        |
| GS611     | N 46 01 24.0 | E 006 53 50.4 | IAC LSGS        |
| GS612     | N 46 09 14.8 | E 006 51 15.3 | IAC LSGS        |
| GS613     | N 46 07 32.7 | E 007 06 34.5 | IAC LSGS        |
| GS615     | N 46 39 05.6 | E 008 03 12.5 | IAC LSGS        |
| GS616     | N 46 29 07.5 | E 008 16 49.4 | IAC LSGS        |
| GS617     | N 46 13 16.5 | E 007 20 20.2 | IAC LSGS        |

| NAV point | COORD WGS84  |               | Purpose  |
|-----------|--------------|---------------|----------|
|           | LAT          | LONG          |          |
| 1         | 2            |               | 3        |
| GS618     | N 46 23 38.8 | E 007 55 58.9 | IAC LSGS |
| GS619     | N 46 13 28.1 | E 007 37 30.6 | IAC LSGS |
| GS620     | N 46 06 20.3 | E 007 18 54.9 | IAC LSGS |
| GS621     | N 46 04 57.7 | E 006 50 16.8 | IAC LSGS |
| GS623     | N 46 34 17.0 | E 008 10 17.2 | IAC LSGS |
| MASAB     | N 46 23 56.0 | E 007 54 45.0 | IAC LSGS |

## 2. Table for temperature deviation from ISA

| ALT   | ISA    | ISA + 20°C          | ISA + 10°C         | ISA - 10°C          | ISA - 20°C          |
|-------|--------|---------------------|--------------------|---------------------|---------------------|
|       |        | Altimeter reading   | Altimeter reading  | Altimeter reading   | Altimeter reading   |
| 17000 | - 19°C | OAT + 1°C<br>15940  | OAT - 9°C<br>16450 | OAT - 29°C<br>17600 | OAT - 39°C<br>18240 |
| 16000 | - 17°C | OAT + 3°C<br>15010  | OAT - 7°C<br>15490 | OAT - 27°C<br>16550 | OAT - 37°C<br>17160 |
| 13610 | - 12°C | OAT + 8°C<br>12790  | OAT - 2°C<br>13190 | OAT - 22°C<br>14070 | OAT - 32°C<br>14560 |
| 11690 | - 8°C  | OAT + 12°C<br>11010 | OAT + 2°C<br>11340 | OAT - 18°C<br>12070 | OAT - 28°C<br>12490 |
| 8630  | - 2°C  | OAT + 18°C<br>8160  | OAT + 8°C<br>8390  | OAT - 12°C<br>8890  | OAT - 22°C<br>9180  |
| 7100  | + 1°C  | OAT + 21°C<br>6730  | OAT + 11°C<br>6910 | OAT - 9°C<br>7300   | OAT - 19°C<br>7530  |
| 4030  | + 7°C  | OAT + 27°C<br>3870  | OAT + 17°C<br>3950 | OAT - 3°C<br>4120   | OAT - 13°C<br>4220  |

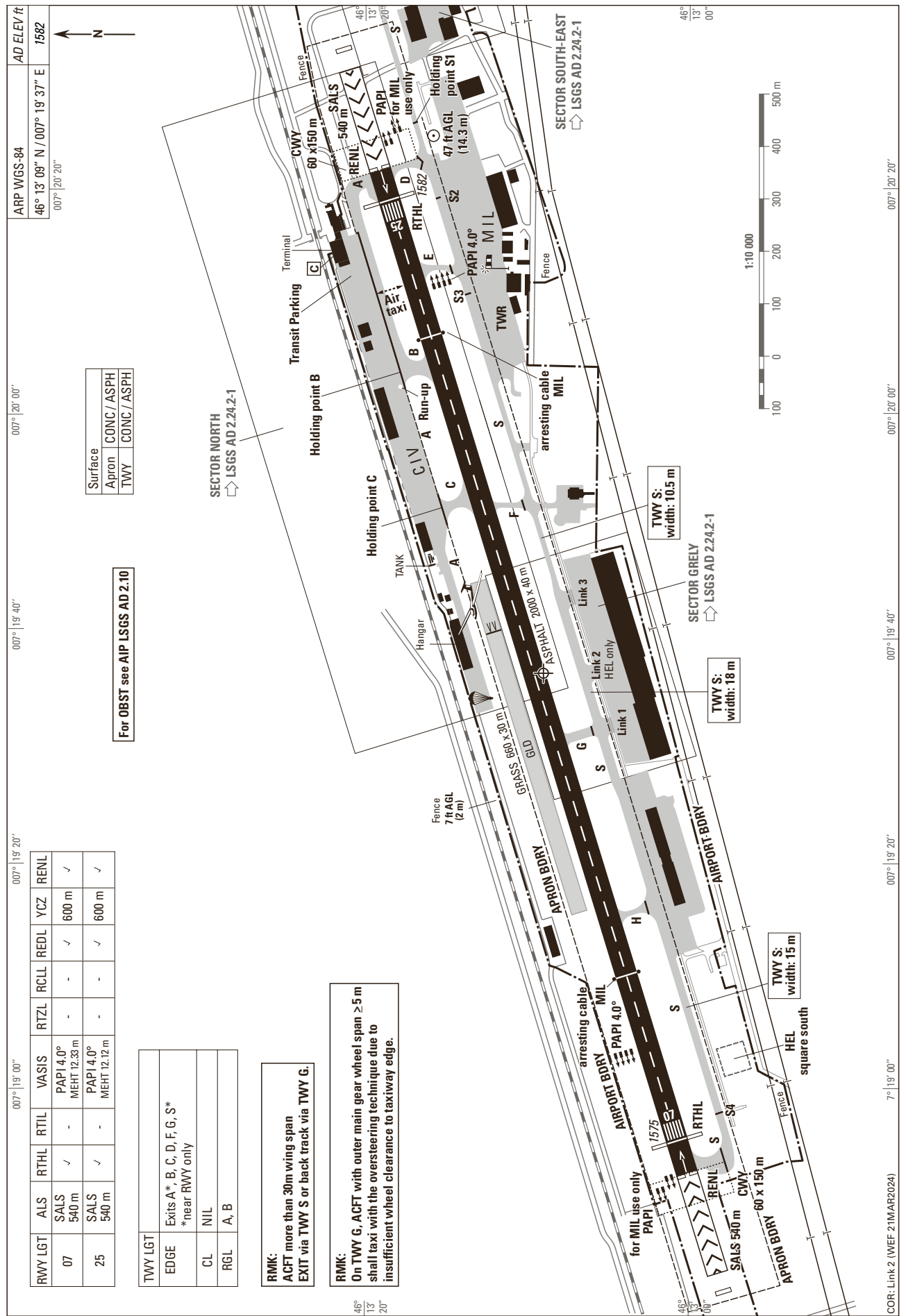
**Note:** Pressure altimeters are calibrated to indicate true ALT under ISA conditions. Any DEV from ISA will therefore result in an erroneous reading on the altimeter. In case of a temperature HYR than ISA, the true ALT will be HYR than the figure indicated by the altimeter and the true ALT will be lower when the temperature is lower than ISA. The altimeter error may be significant in extremely cold temperatures.

## LSGS AD 2.24 AERONAUTICAL CHARTS RELATED TO AN AERODROME

| Name                                                                      | Page                |
|---------------------------------------------------------------------------|---------------------|
| Aerodrome Chart                                                           | LSGS AD 2.24.1 - 1  |
| Aircraft Parking Chart                                                    | LSGS AD 2.24.2 - 1  |
| Aerodrome Obstacle Chart - Type A - RWY 07/25                             | LSGS AD 2.24.4 - 1  |
| SID RWY 07/25 RNAV - LOW PERFORMANCE                                      | LSGS AD 2.24.7 - 1  |
| SID RWY 25 RNAV - HIGH PERFORMANCE                                        | LSGS AD 2.24.7 - 3  |
| STAR TO GRANA - RNAV 5                                                    | LSGS AD 2.24.9 - 1  |
| IAC - IGS RWY 25 (CAT A/B/C)                                              | LSGS AD 2.24.10 - 1 |
| IAC - IGS RWY 25 VIS APCH                                                 | LSGS AD 2.24.10 - 3 |
| IAC - RNP RWY 25 (AR) SUSPENDED                                           | LSGS AD 2.24.10 - 5 |
| ATC Surveillance Minimum ALT Chart (AD Temperatures from - 15° to -7°C)   | LSGS AD 2.24.13 - 1 |
| ATC Surveillance Minimum ALT Chart (AD Temperatures from - 6°C and above) | LSGS AD 2.24.13 - 3 |

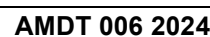
## LSGS AD 2.25 VISUAL SEGMENT SURFACE (VSS) PENETRATION

To be completed. See relevant approach charts for details.



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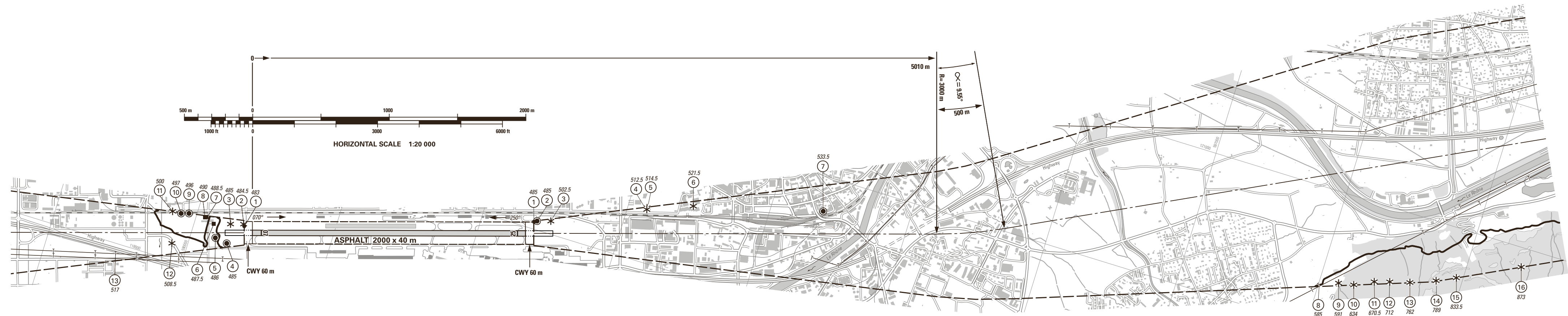


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VAR 3° E (2021.5)

Profile view see LSGS AD 2.24.4-2

| RWY: 07-25 |                                    |        |
|------------|------------------------------------|--------|
| RWY 07     | DECLARED DISTANCES in m            | RWY 25 |
| 2000       | TAKE-OFF RUN AVAILABLE             | 2000   |
| 2060       | TAKE-OFF DISTANCE AVAILABLE        | 2060   |
| 2000       | ACCELERATE STOP DISTANCE AVAILABLE | 2000   |
| 1935       | LANDING DISTANCE AVAILABLE         | 1940   |

[illegible]

### LEGEND

|     |                                    |
|-----|------------------------------------|
| ①   | Identification number              |
| *   | Tree, shrub                        |
| ⦿   | Pole, tower, spire, antenna, etc.  |
| ■   | Building, large structure          |
| ●   | Enclosure                          |
| —+— | Transmission line, overhead cable  |
| ⤿   | Terrain penetrating obstacle plane |

|      |           |
|------|-----------|
| OBST | ELEV in m |
| AD   | ELEV in m |

### ORDER OF ACCURACY ACCORDING TO ICAO REQUIREMENTS

16th Edition

COR: MAG VAR, RWY BRG (WEF 13JUN2024)

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VAR 3° E (2021.5)

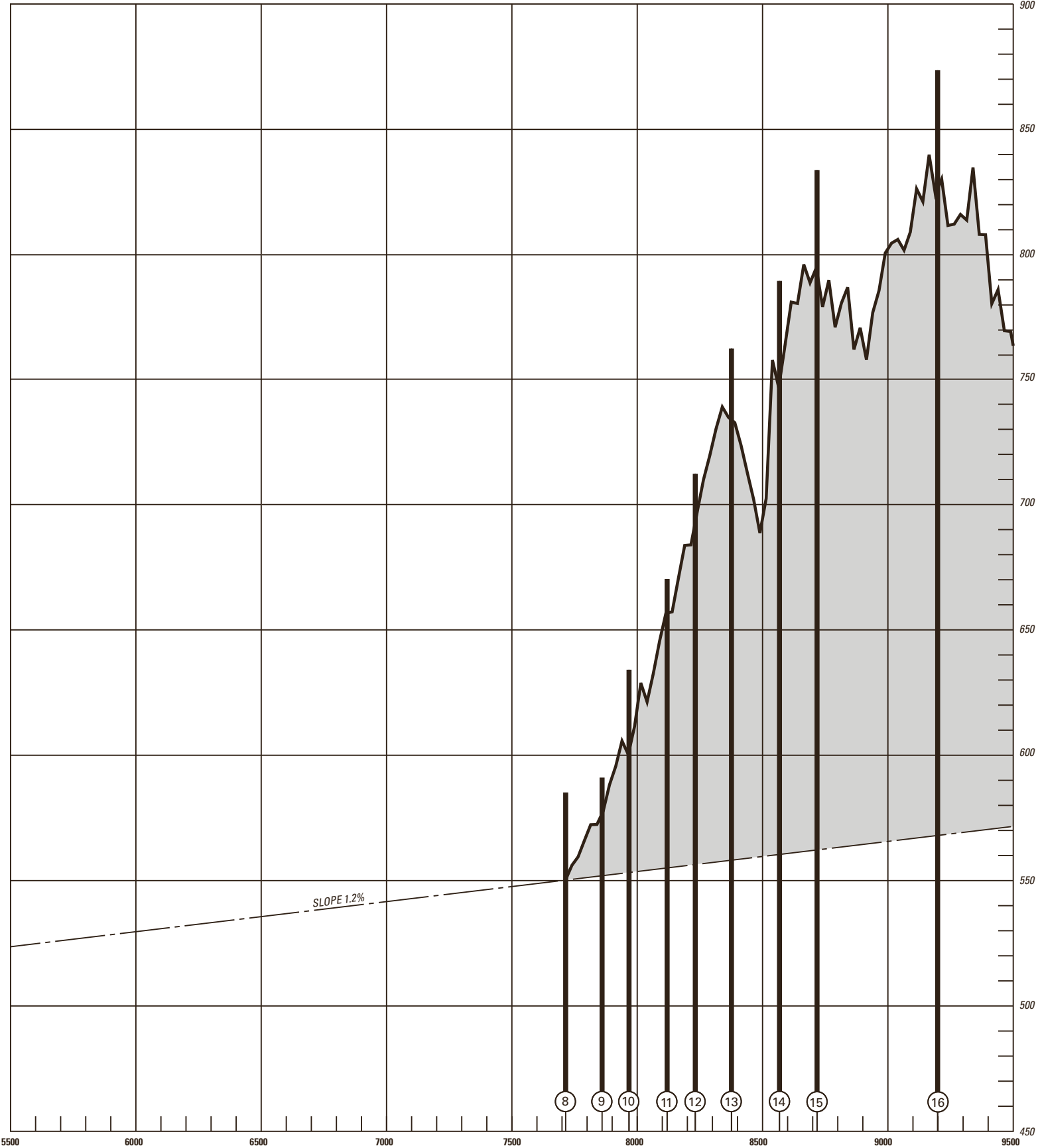
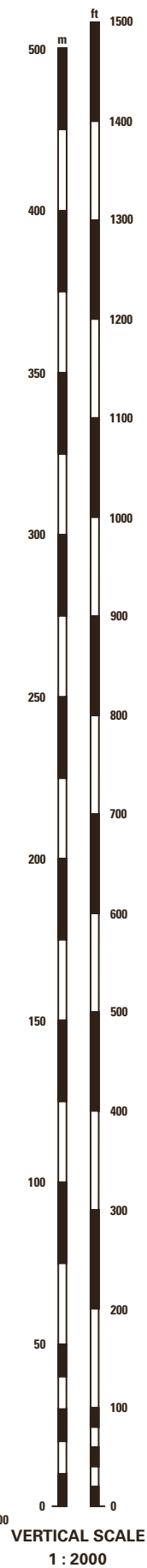
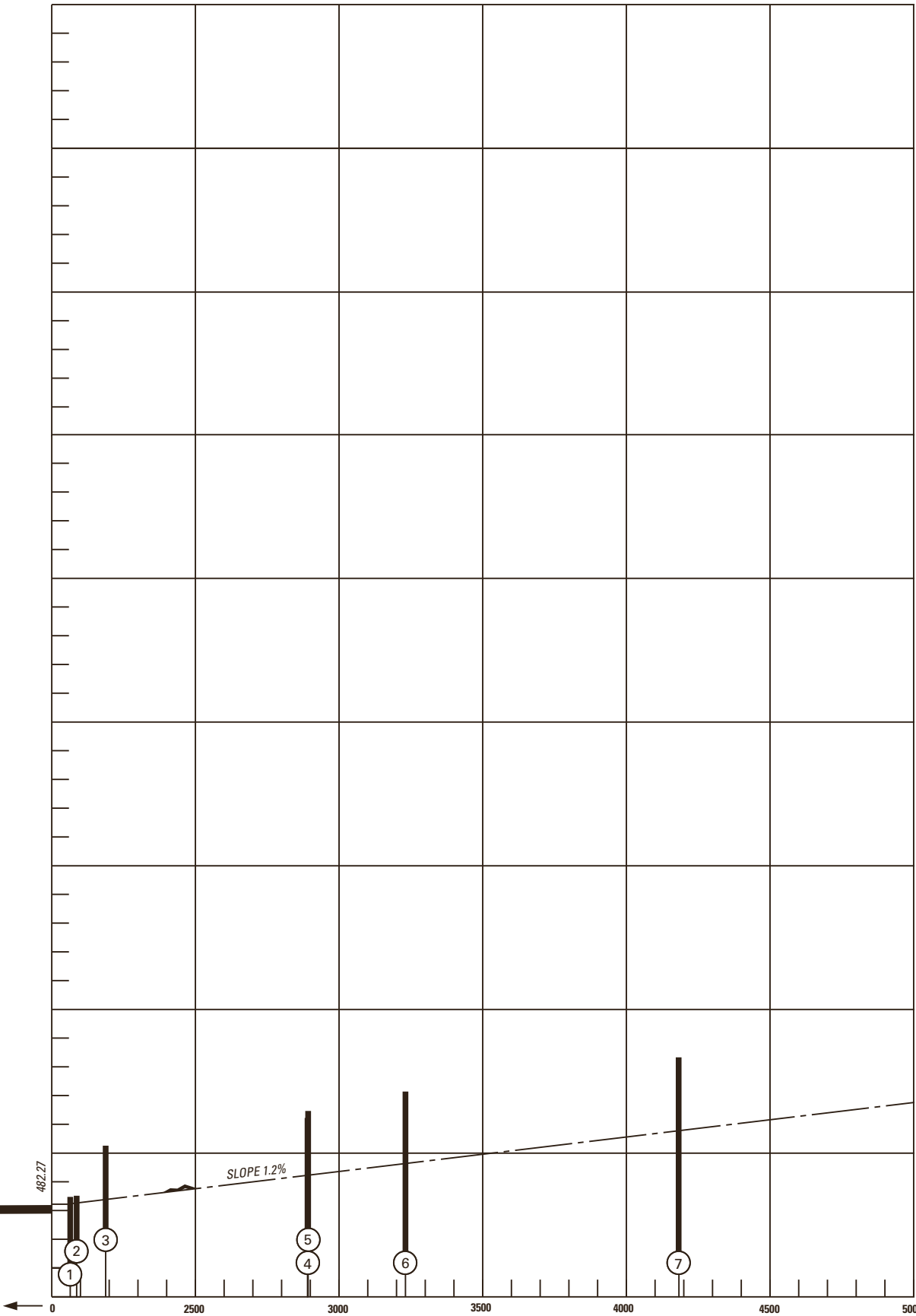
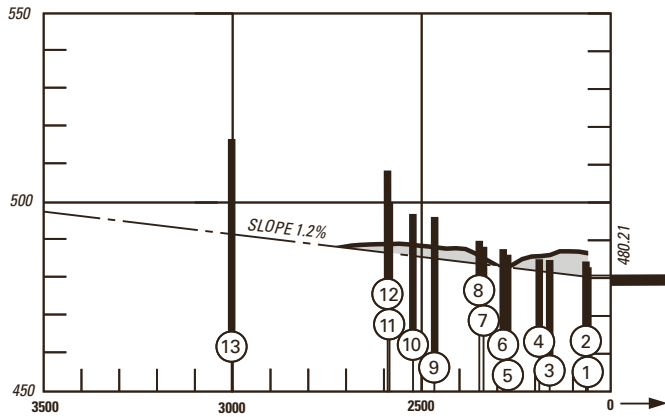
Plan view see LSGS AD 2.24.4-1

PROFILE RWY: 07-25

①

Identification number

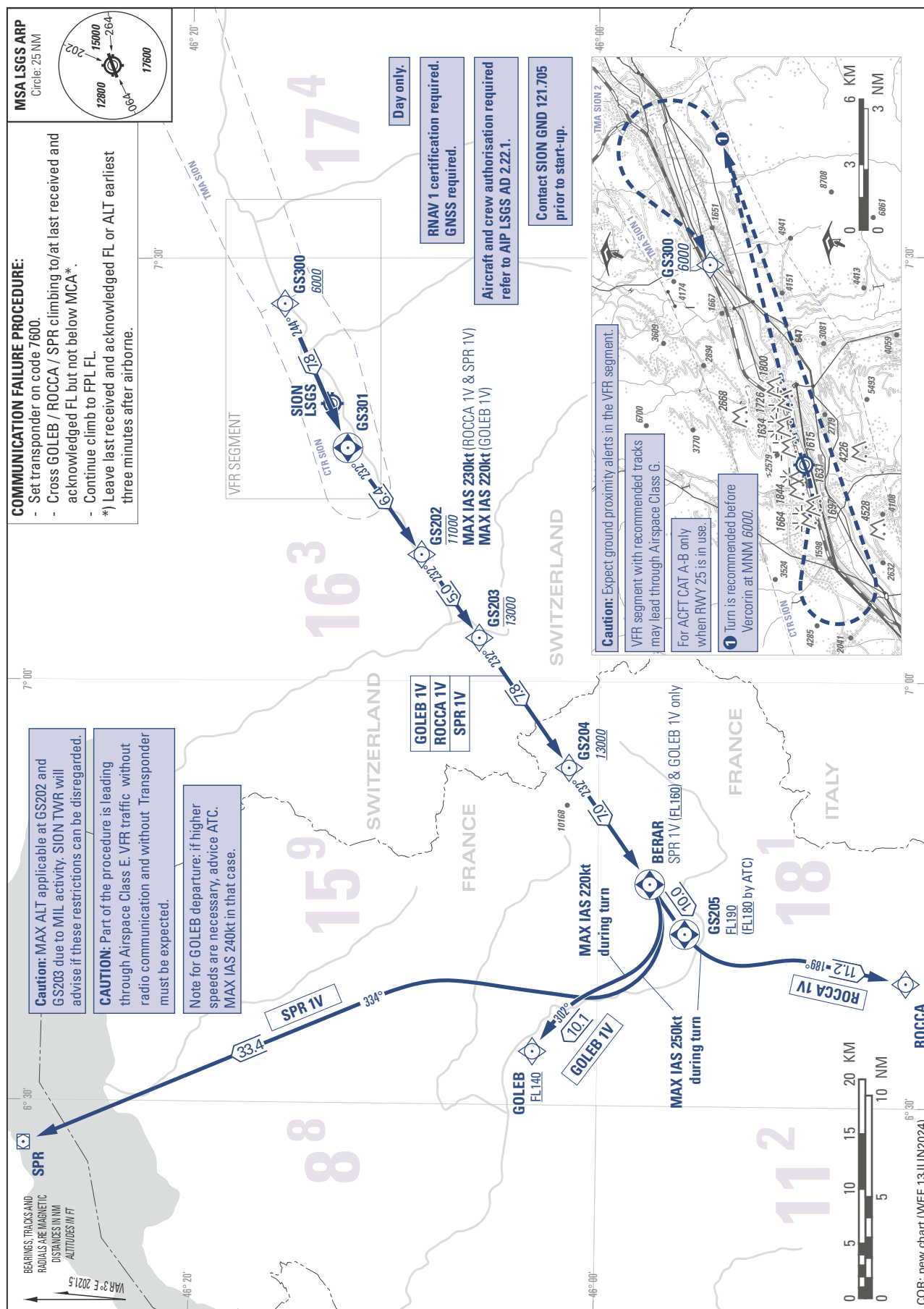
Terrain penetrating obstacle plane



COR: MAG VAR (WEF 13JUN2024)

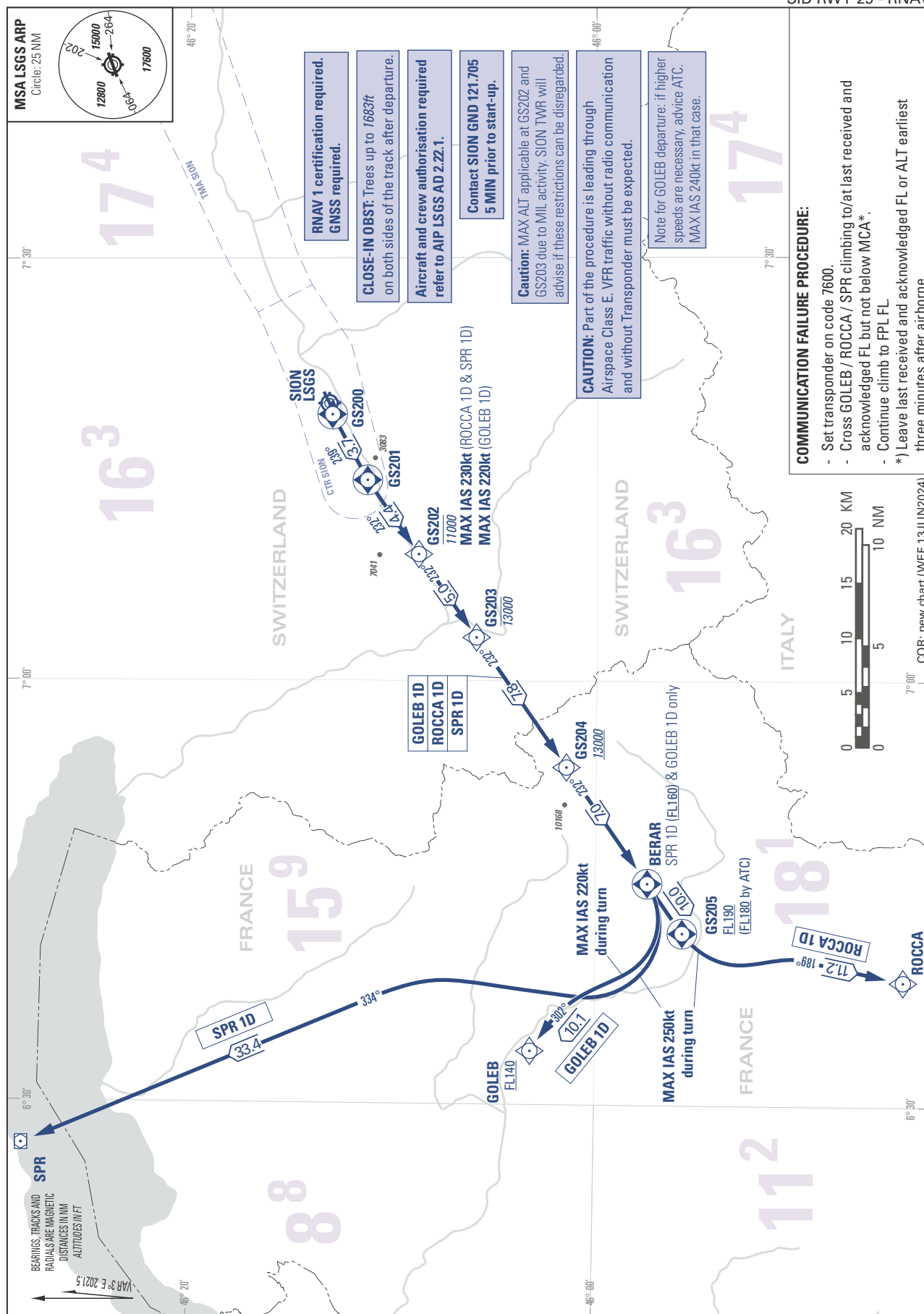
14th Edition

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STANDARD INSTRUMENT DEPARTURE CHART  
(SID) - ICAOTRANSITION LEVEL by ATC  
TRANSITION ALTITUDE 13000SION LSGS  
LOW PERFORMANCE  
SID RWY 07/25 - RNAV

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STANDARD INSTRUMENT DEPARTURE CHART  
(SID) - ICAOTRANSITION LEVEL by ATC  
TRANSITION ALTITUDE 13000SION LSGS  
HIGH PERFORMANCE  
SID RWY 25 - RNAV

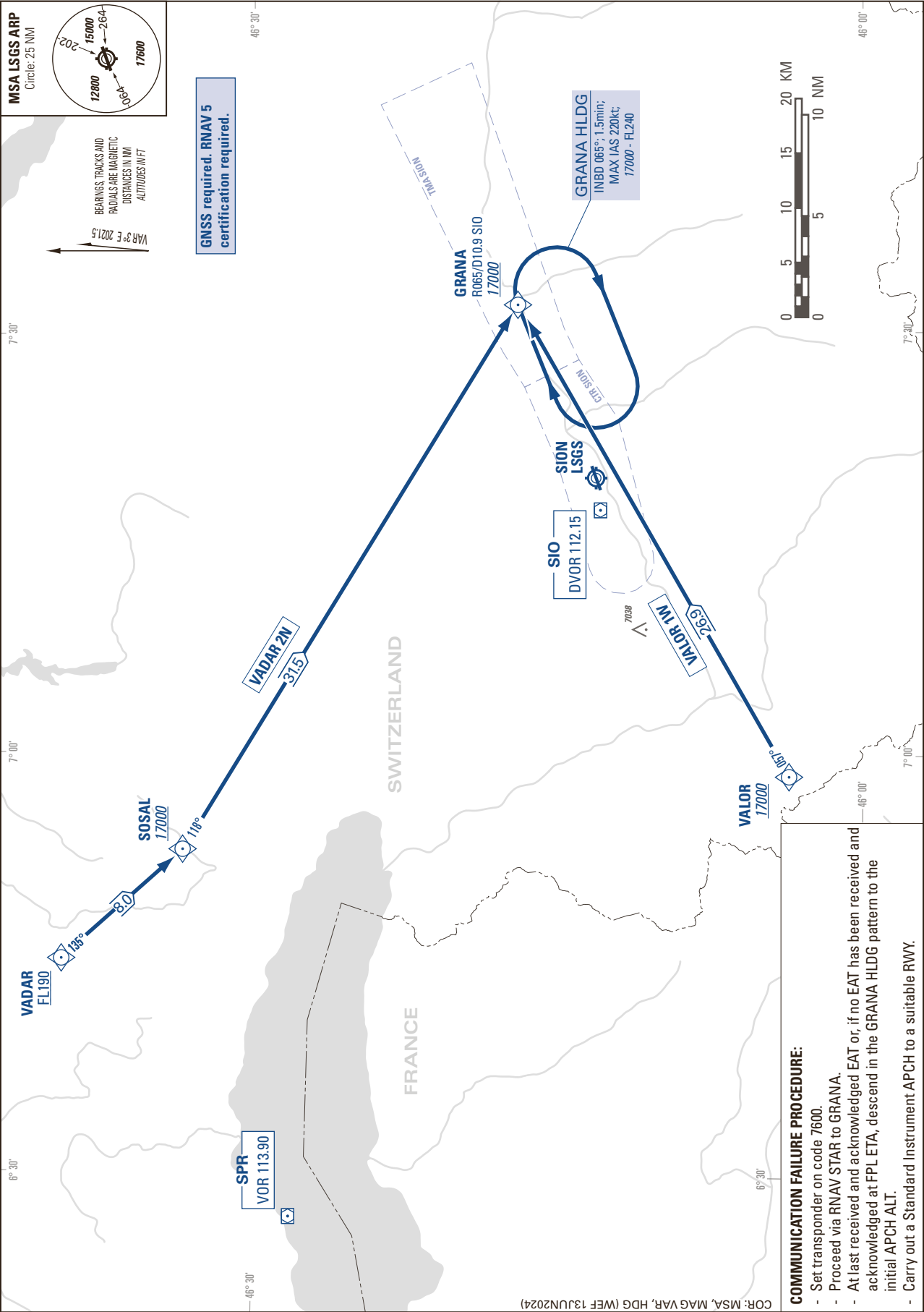
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STANDARD INSTRUMENT ARRIVAL CHART  
(STAR) - ICAO

TRANSITION LEVEL by ATC  
TRANSITION ALTITUDE 17000

SION LSGS  
STARTO GRANA - RNAV 5  
(DME/DME or GNSS)



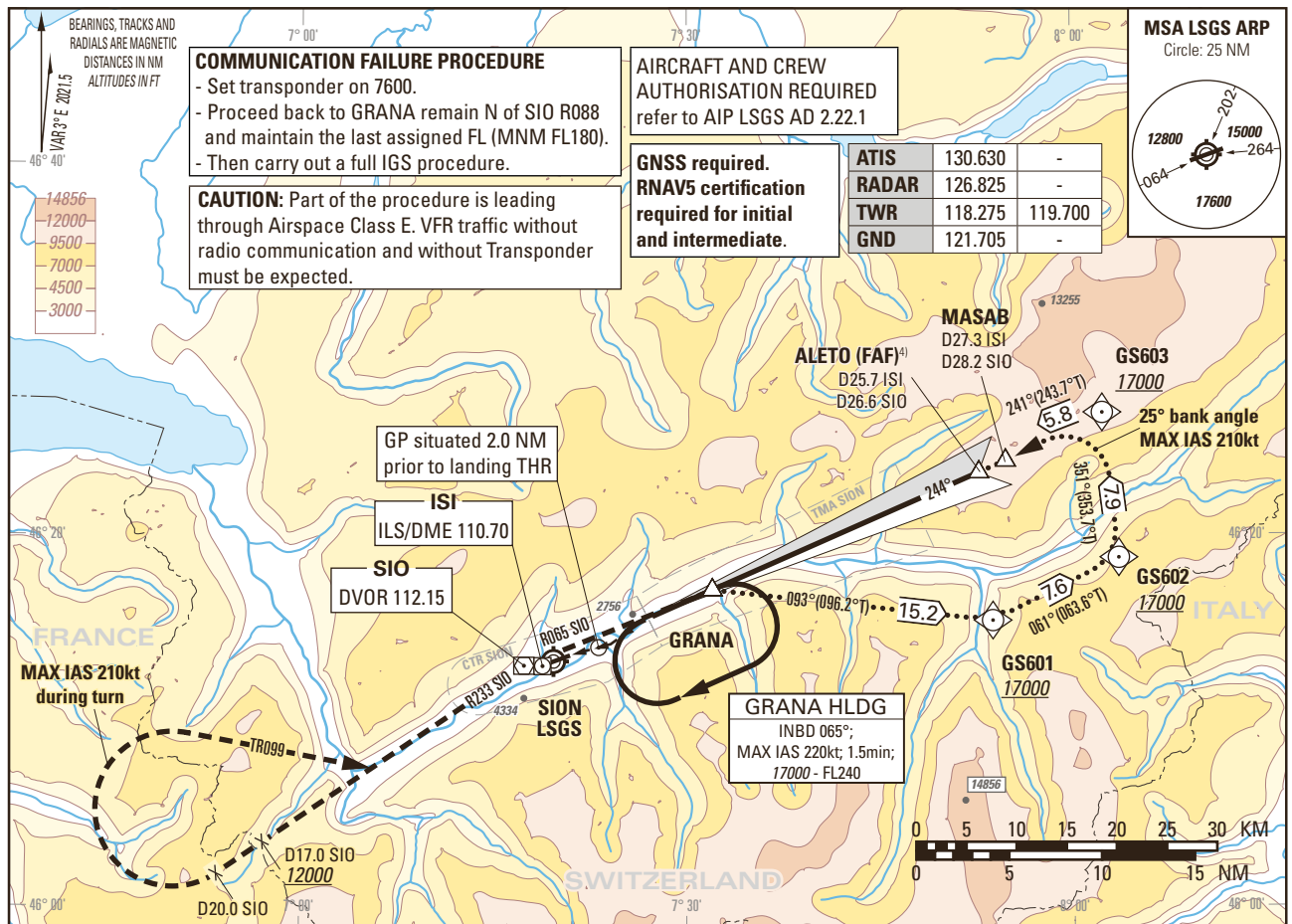
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Instrument Approach Chart  
(IAC) - ICAO  
(IGS instruction: see LSGS AD 2.22)

AD ELEV 1582ft

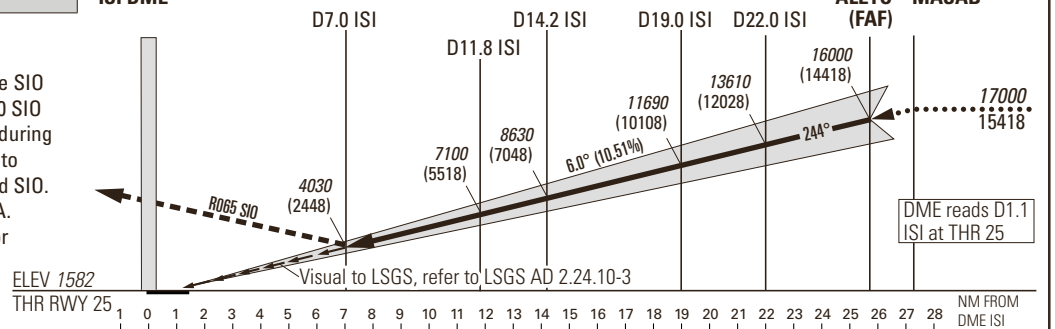
TRANSITION LEVEL by ATC  
TRANSITION ALTITUDE 17000

SION LSGS  
IGS RWY 25 (ACFT CAT A/B/C)  
OFFSET 6.5° RIGHT  
GLIDE PATH 6.0°, VISUAL PART 4.0°

**MISSED APPROACH**

Climb to 17000.

Climb on R065 to SIO, leave SIO on R233 outbound, at D20.0 SIO turn right (MAX IAS 210kt during turn), and establish TR099 to intercept R233 SIO inbound SIO. Proceed via SIO to GRANA. Cross D17.0 SIO at 12000 or above, GRANA at 17000.

**ISI DME**

| Missed APCH<br>climb gradient<br>requirement     | STRAIGHT-IN APPROACH       |             |                   | VIS m |
|--------------------------------------------------|----------------------------|-------------|-------------------|-------|
|                                                  | A                          | B           | C                 |       |
|                                                  | DECISION ALTITUDE (HEIGHT) |             |                   |       |
| 2.5%                                             | 6520 (4940) <sup>1)</sup>  |             |                   | 5000  |
| 3.0%                                             | 6080 (4500) <sup>1)</sup>  |             |                   |       |
| 3.5%                                             | 5650 (4070) <sup>1)</sup>  |             |                   |       |
| 4.0%                                             | 5220 (3640) <sup>1)</sup>  |             |                   |       |
| 4.5%                                             | 4780 (3200) <sup>1)</sup>  |             |                   |       |
| 4.9%                                             | 4490 (2910) <sup>1)</sup>  |             |                   |       |
| Circling north<br>of AD only <sup>1) 2) 3)</sup> | 4490 (2910)                | 5040 (3460) | not<br>authorized | 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 | 5.9   | 6.9   | 7.9   | 8.9   | 10.9  | 12.9  | 14.9  |
| ALT FT   | 4030  | 4670  | 5310  | 5950  | 7220  | 8500  | 9780  |
| DIST ISI | 18    | 20    | 22    | 24    | 25    | 25.7  | 27.3  |
| DIST THR | 16.9  | 18.9  | 20.9  | 22.9  | 23.9  | 24.6  | 26.2  |
| ALT FT   | 11050 | 12330 | 13610 | 14890 | 15530 | 16000 | 17000 |

REMARK

- APCH PROHIBITED IF GP U/S.

- Table for temperature deviation from ISA. See LSGS AD 2.23.2.

- Final APCH offset 6.5° from RCL.

- If unable to comply with MAX HLDG speed, inform ATC.

CAUTION

- This is not a standard APCH angle.

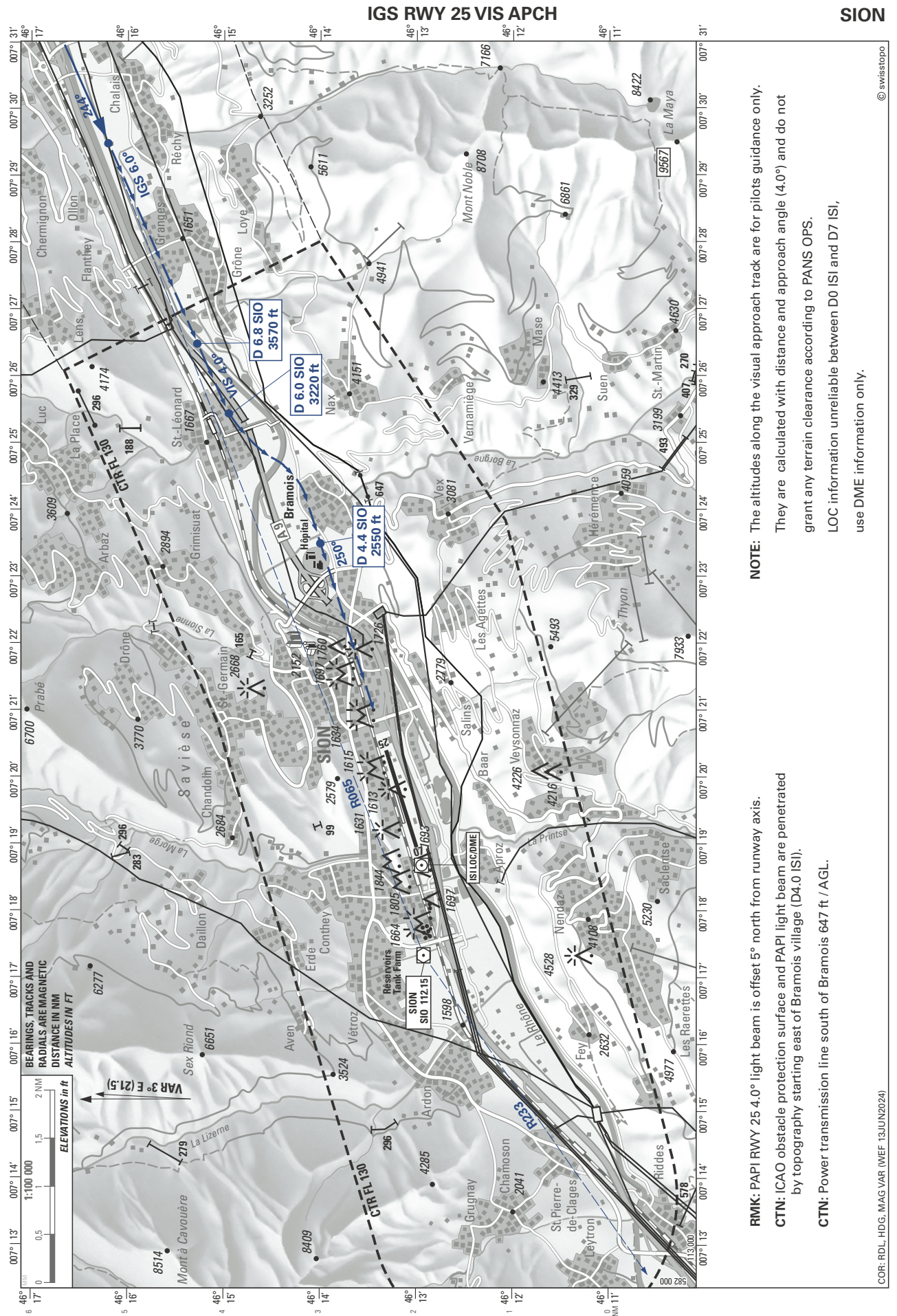
NOTE

<sup>1)</sup> Special training required. <sup>2)</sup> Night circling prohibited. <sup>4)</sup> At ALETO, GP 15970.

<sup>3)</sup> ACFT categories A, B with speed limit of 125kt.

COR: MSA, MAG VAR, HDG, RDL, Missed Approach, Circling, Note, Caution (WEF 13JUN2024)

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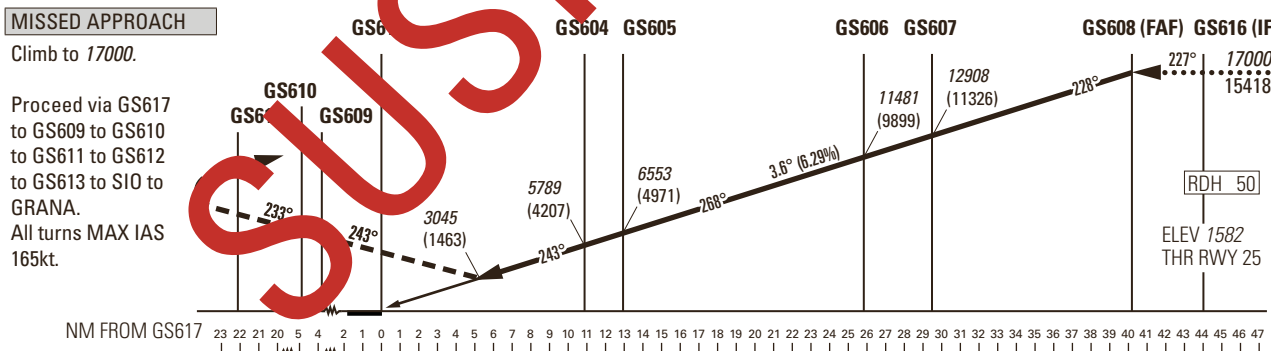
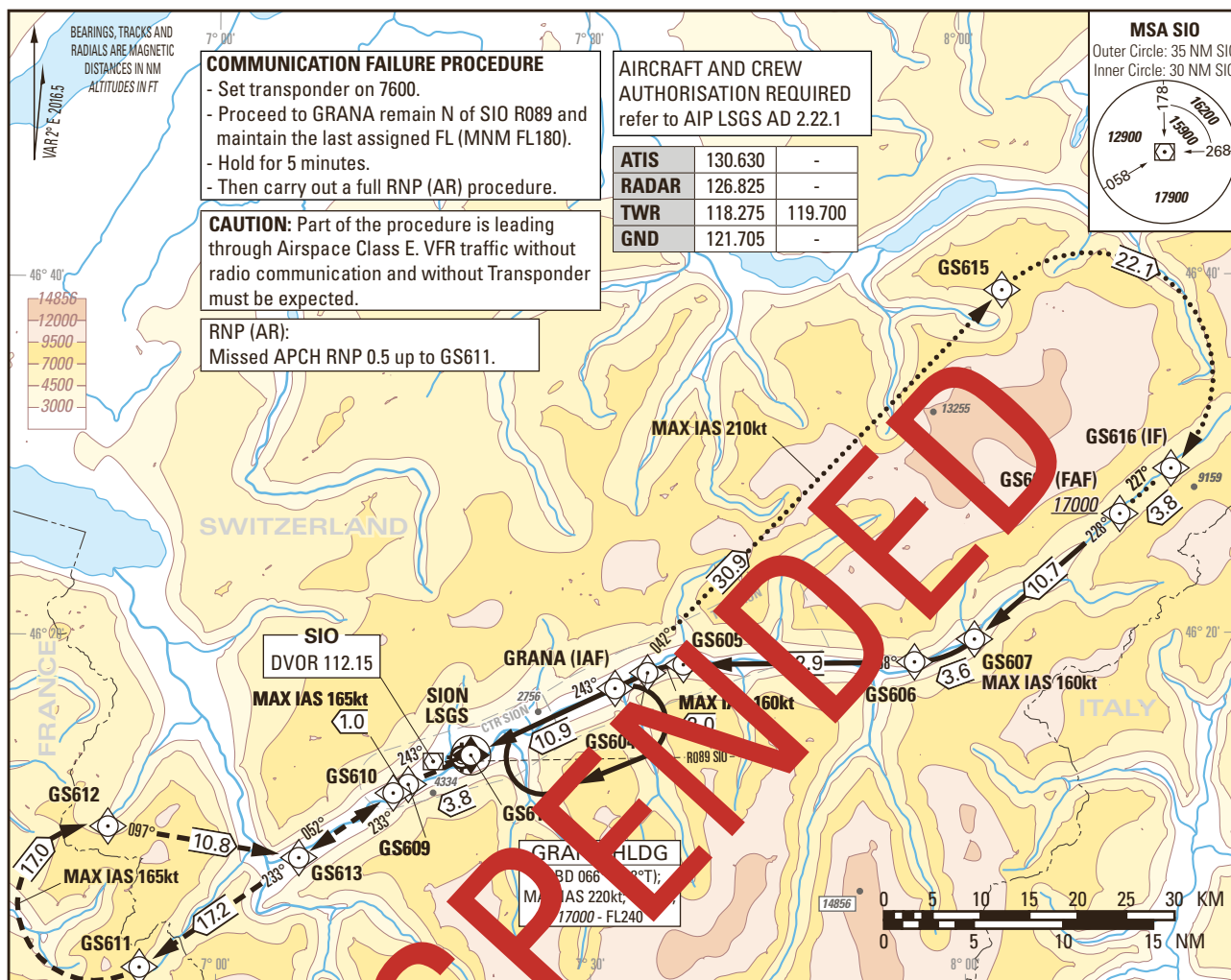




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TRANSITION LEVEL by ATC  
TRANSITION ALTITUDE 17000

SION LSGS  
RNP RWY 25 (AR)  
OFFSET 8° RIGHT  
ACFT CAT A/B/C



| Missed APCH<br>climb gradient<br>requirement |          | STRAIGHT-IN APPROACH                    |             |             |
|----------------------------------------------|----------|-----------------------------------------|-------------|-------------|
|                                              |          | OBSTACLE CLEARANCE ALTITUDE<br>(HEIGHT) |             |             |
|                                              |          | A                                       | B           | C           |
| 5.0%                                         | RNP (AR) | 3071 (1489)                             | 3084 (1502) | 3098 (1516) |
|                                              |          | DECISION ALTITUDE (HEIGHT)              |             |             |
| 5.0%                                         | RNP (AR) | 3071 (1489)                             | 3084 (1502) | 3098 (1516) |

| Missed APCH WPT                                                                        | GS617          | GS609          | GS610          | GS611           | GS612            | GS613            | SIO | GRANA |
|----------------------------------------------------------------------------------------|----------------|----------------|----------------|-----------------|------------------|------------------|-----|-------|
| recommended<br>CROSSING ALTITUDE<br>(HEIGHT) for Missed<br>APCH climb gradient<br>5.0% | 3699<br>(2117) | 4866<br>(3284) | 5158<br>(3576) | 10375<br>(8793) | 15546<br>(13964) | 17000<br>(15418) |     |       |

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

## REMARK

- APCH not authorized when airport temperature below -20°C or above +47°C.
- RNP (AR) RDH = 50 (PAPI MEHT = 40ft).
- PAPI 4.0° not coincident with VPA.
- 0.1 NM BFR THR 25 Visual Segment Surface (VSS) penetrated by trees up to 1670ft AMSL.

## CAUTION

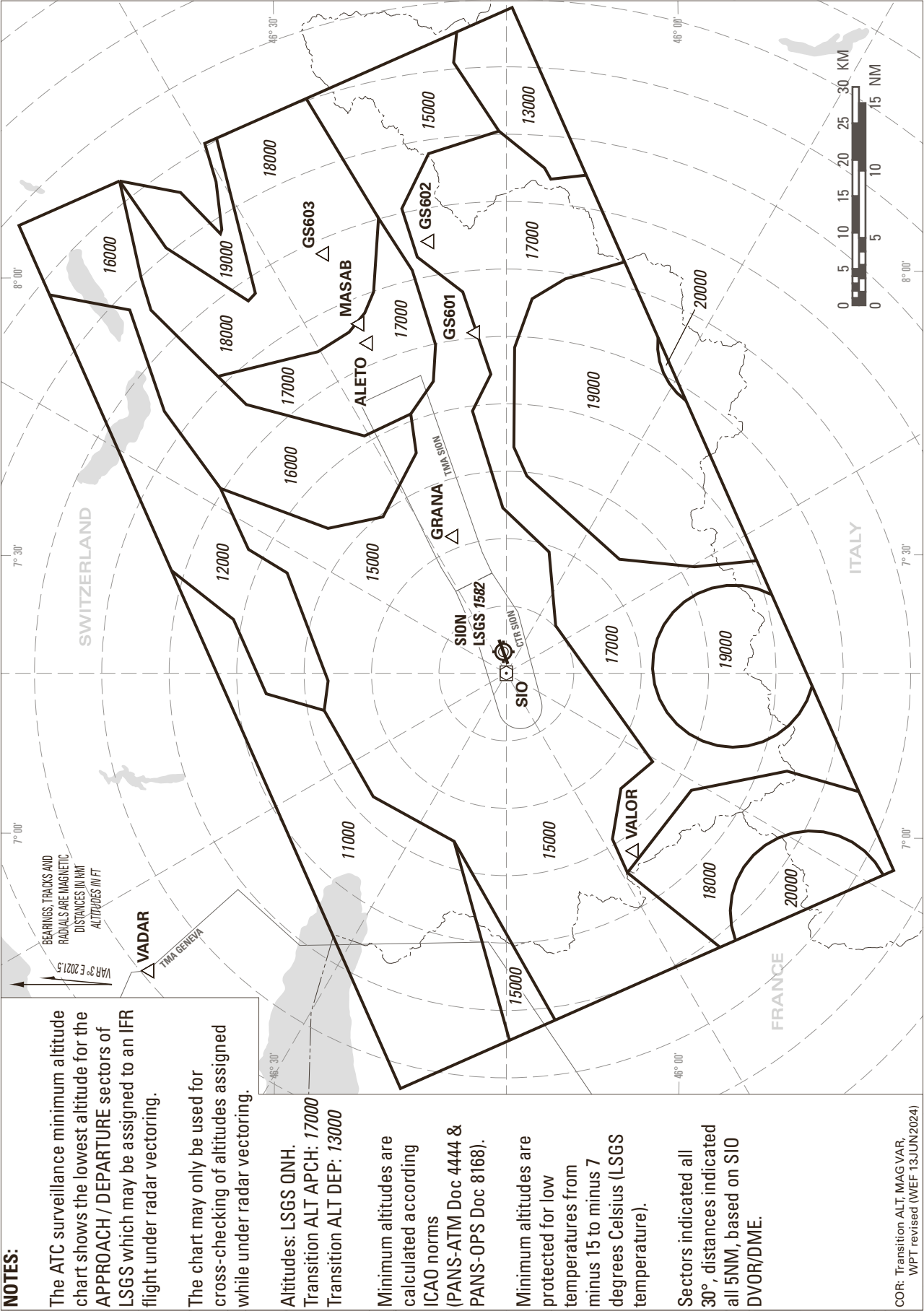
- On 3.6° APCH angle and GS > 150kt resulting ROD will be > 1000ft/min.
- Final APCH track offset by 8° right from RCL intercepting the RCL 480m BFR the THR.

COB: TWB ALTN FBEO added (WFF 23MAR2023)

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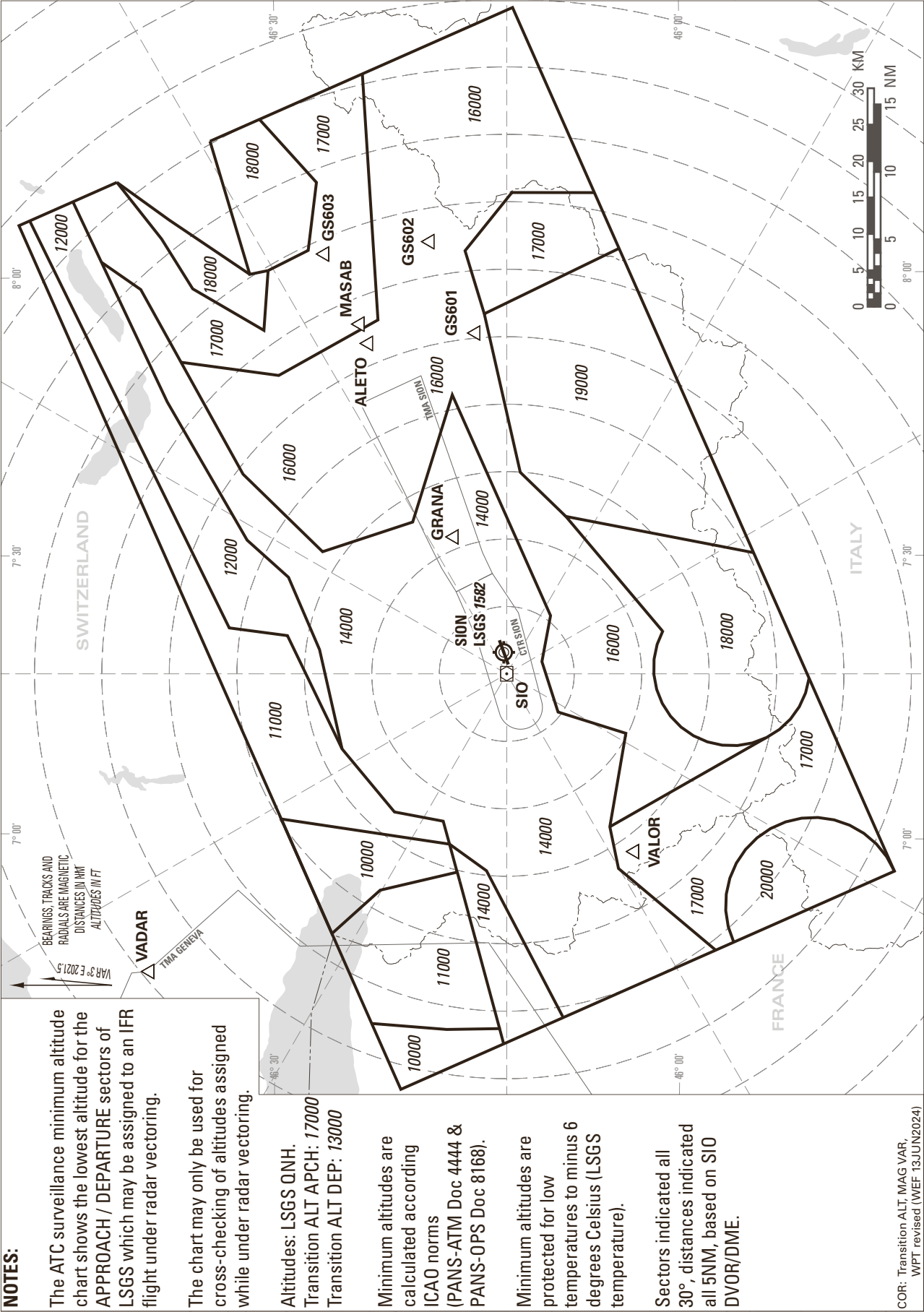


ATC SURVEILLANCE MINIMUM ALTITUDE CHART (ADTEMPERATURES FROM -15°TO -7°C)



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ATC SURVEILLANCE MINIMUM ALTITUDE CHART (ADTEMPERATURES -6°C AND ABOVE)



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