

## GEN 3 SERVICES

### GEN 3.1 AERONAUTICAL INFORMATION SERVICES

#### 1. Responsible service

The AIS, which forms part of skyguide, ensures the flow of information necessary for the safety, regularity and efficiency of international and national air navigation within the area of its responsibility as indicated under GEN 3.1.2. It consists of AIS headquarters and a NOF.

AIS Headquarters:

Post: skyguide  
swiss air navigation services ltd  
AIP Services  
P.O.Box 23  
CH-8602 Wangen bei Dübendorf  
Phone: +41 (0) 43 931 61 68

Email: aip@skyguide.ch  
AFS: LSSAYOYX  
URL: <http://www.skyguide.ch>  
OPR HR: office HR

International NOTAM Office:

Post: International NOTAM Office  
skyguide AIS  
P.O.Box 23  
CH-8602 Wangen bei Dübendorf  
Phone: +41 (0) 43 931 61 96

AFS: LSSNYYX  
Email: [nof.ch@skyguide.ch](mailto:nof.ch@skyguide.ch)

AIPs are issued by the **AIP Service** of skyguide on behalf of FOCA in compliance with the provisions set forth:

- in the ONA Ordinance article 138;
- in the Annexes 4 and 15 to the Convention on International Civil Aviation and related ICAO Documents. Differences to these Annexes and ICAO documents are listed in [GEN 1.7](#)

#### 2. Area of responsibility

The AIS area of responsibility encompasses the Swiss territory and the Principality of Liechtenstein. The Swiss AIS functions in compliance with provisions of an Ordinance of the DETEC.

#### 3. Aeronautical publications

##### 3.1 eAIP and related amendment service

The *Swiss Aeronautical Information Publication - AIP Switzerland* contains **information** of a lasting character essential to the safety of air navigation. Notably, regulatory material on air routes, airspace and APCH and DEP procedures is published in the AIP Switzerland. The pilot-in-command is responsible for the operation of ACFT in compliance with, among others, the **regulations** contained in the AIP and VFR Manual.

Changes to this manual are issued monthly by means of **AMDTs** and distributed electronically on "skybriefing". The AMDT is issued with a **check list** of the contents of the manual.

The information originates from official sources or from AD operators and is transcribed with utmost care; nevertheless the AIP Service cannot fully guarantee the absence of error.

##### 3.2 AIP Supplements

TEMPO changes of long DUR (three months and longer) and information of short DUR which consists of extensive text and/or graphics, supplementing the PERM information contained in the AIP, are published as AIP SUPs (AIP SUP). Operationally significant TEMPO changes to the AIP are published in accordance with the AIRAC system and its established effective dates and are identified clearly by the acronym AIRAC AIP SUP.

### 3.3 Aeronautical Information Circular (AIC)

For the following information national and international AIC are provided:

- Administrative information;
- Domains of information unsuitable for NOTAM or AIP SUP;
- Explanations of complex changes, e.g. WIP.

AIC will be published in three series:

- Series A: International series in En

URL: <http://www.aviation.admin.ch>

- Series B: National series

URL: <http://www.aviation.admin.ch>

- Series C: AIC of a technical nature for services

AIC is part of eAIP and will be distributed additionally via "skybriefing".

### 3.4 NOTAM

#### 3.4.1 General

NOTAM contain information concerning the establishment, condition or change in any aeronautical facility, service, procedure or hazard, the timely knowledge of which is essential for personnel concerned with FLT operations.

Swiss NOTAM are divided into series A, B and W. They are published in En using ICAO abbreviations. A checklist of NOTAM is published **for all series** on the first **day** of each month.

#### 3.4.2 NOTAM series

##### Series A

NOTAM affecting Zurich and Genève ADs. Exception: Information for HEL and VFR traffic is published in series B.

NOTAM affecting ENR FLTs concerning:

- organisation, structure and changes of airspace
- ENR radio navigation aids
- ENR communication and radar facilities
- regulations, procedures

Other information of general interest.

Distribution: International (worldwide).

##### Series B

NOTAM affecting all other CIV ADs not published in series A.

Information related to VFR traffic.

MIL ADs for information related to CTR/TMA and GNSS.

ENR obstacles.

DOM ATS routes.

Distribution: International (Europe).

##### Series W

Navigation WRNGs and airspace reservations.

Distribution: International (Europe).

The NOTAM are AVBL on the website <http://www.skybriefing.com>

Access is provided by way of a personal user account.

### 3.5 Checklists and summaries

NIL

### 3.6 Skybriefing

Skybriefing is the official FLT briefing solution and publication platform of the AIP Switzerland provided by skyguide on behalf of FOCA <http://www.skybriefing.com>

### 3.7 Sale of Publications

The annual invoice will be sent out six weeks before the subscription renewal date. If it is not paid, a reminder will be issued after two months. Delivery of AMDTs will be stopped automatically after three months. The subscription will be terminated and the customer blocked after four months.

Late payment will be accepted up to six months after the date of the invoice. Re-activation after that can only be effected by taking out a new subscription at CHF 151.00: Manual CMPL including a one-year subscription. Pro-rata invoices are not issued nor are repayments made if the subscription is terminated before it expires.

|       |                                              |        |                                                |
|-------|----------------------------------------------|--------|------------------------------------------------|
| Post: | AIP-Versand<br>P.O.Box<br>CH-3052 Zollikofen | Phone: | +41 (0) 31 910 32 56 0630 - 1100 (0530 - 1000) |
|       |                                              | Fax:   | +41 (0) 31 910 33 35                           |
|       |                                              | Email: | aipversand@skyguide.ch                         |

| Designation and reference |                                                              | Type            | Code | Rate CHF incl. VAT |
|---------------------------|--------------------------------------------------------------|-----------------|------|--------------------|
| 1                         | <b>Subscription for one year</b>                             |                 |      |                    |
| 1.1                       | Paper initial purchase VFR Manual                            | VFR (148 x 210) | KVE  | 220.00             |
| 2                         | <b>Yearly subscription</b>                                   |                 |      |                    |
| 2.1                       | VFR Manual Paper CH                                          | VFR             | KV0  | 175.00             |
|                           | VFR Manual Paper abroad                                      | VFR             | KVa  | 195.00             |
| 2.2                       | electronic AIP on skybriefing                                | IFR             | eaip | 92.15              |
| 2.3                       | electronic VFR Manual on skybriefing                         | VFR             | evfr | 53.10              |
| 2.4                       | AIC series A (distribution abroad)                           |                 | K03  | 66.00              |
|                           | AIC series B                                                 |                 | K05  | 66.00              |
| 3                         | <b>Material</b>                                              |                 |      |                    |
| 3.1                       | binder and contents                                          | VFR Manual      | EV   | 156.00             |
| 3.2                       | contents only                                                | VFR Manual      | IV   | 98.00              |
| 3.3                       | binder with indices                                          | VFR Manual      | OVR  | 22.00              |
| 3.4                       | binder                                                       | VFR Manual      | OVO  | 15.00              |
| 3.5                       | indices                                                      | VFR Manual      | RV   | 8.50               |
| 3.6                       | chart pocket                                                 | VFR Manual      | HU   | 5.50               |
| 4                         | <b>charts</b>                                                |                 |      |                    |
|                           | REF <a href="#">GEN-3.2</a> , REF VFR Manual, VFR MAP 2, § 1 |                 |      |                    |

| 6 | <b>Subscription: AIP / VFR Manual / AIC</b> |      |       |     |            |     |     |   |   |
|---|---------------------------------------------|------|-------|-----|------------|-----|-----|---|---|
|   | Code                                        | AIP  |       |     | VFR Manual |     | AIC |   |   |
|   |                                             | AMDT | AIRAC | SUP | AMDT       | SUP | A   | B | C |
|   | GB1                                         | x    | x     | x   | x          | x   | x   | x | x |
|   | GI3                                         | x    | x     | x   |            |     | x   |   |   |
|   | KVE                                         |      |       |     | x          | x   |     |   |   |
|   | GV5                                         |      |       |     | x          | x   |     | x |   |
|   | K03                                         |      |       |     |            |     | x   |   |   |
|   | K05                                         |      |       |     |            |     |     | x |   |

#### 4. AIRAC system

##### 4.1 AIRAC predetermined dates

In order to control and regulate the operationally significant changes requiring amendments to charts, route manuals etc., such changes, whenever possible, will be issued on predetermined dates according to the AIRAC System. This type of information will be published as an AIRAC AIP AMDT or an AIRAC AIP SUP. If an AIRAC AMDT or SUP cannot be produced due to lack of time, NOTAM clearly marked AIRAC will be issued. Such NOTAM will immediately be followed by an AMDT or SUP. The table below indicates AIRAC effective dates for the coming years.

(Ensuing dates listed in AIS Manual, ICAO Doc 8126, Chapter 2.6.4, Table 2-1). Where no information has been submitted to AIS for publication on the selected date, a NIL notification will be originated.

| Schedule of AIRAC effective dates 2021 |                 | Schedule of AIRAC effective dates 2022 |                 |
|----------------------------------------|-----------------|----------------------------------------|-----------------|
| Publication dates                      | Effective dates | Publication dates                      | Effective dates |
| 17 DEC 2020                            | 28 JAN 2021     | 16 DEC 2021                            | 27 JAN 2022     |
| 14 JAN 2021                            | 25 FEB 2021     | 13 JAN 2022                            | 24 FEB 2022     |
| 11 FEB 2021                            | 25 MAR 2021     | 10 FEB 2022                            | 24 MAR 2022     |
| 11 MAR 2021                            | 22 APR 2021     | 10 MAR 2022                            | 21 APR 2022     |
| 08 APR 2021                            | 20 MAY 2021     | 07 APR 2022                            | 19 MAY 2022     |
| 06 MAY 2021                            | 17 JUN 2021     | 05 MAY 2022                            | 16 JUN 2022     |
| 03 JUN 2021                            | 15 JUL 2021     | 02 JUN 2022                            | 14 JUL 2022     |
| 01 JUL 2021                            | 12 AUG 2021     | 30 JUN 2022                            | 11 AUG 2022     |
| 29 JUL 2021                            | 09 SEP 2021     | 28 JUL 2022                            | 08 SEP 2022     |
| 26 AUG 2021                            | 07 OCT 2021     | 25 AUG 2022                            | 06 OCT 2022     |
| 23 SEP 2021                            | 04 NOV 2021     | 22 SEP 2022                            | 03 NOV 2022     |
| 21 OCT 2021                            | 02 DEC 2021     | 20 OCT 2022                            | 01 DEC 2022     |
| 18 NOV 2021                            | 30 DEC 2021     | 17 NOV 2022                            | 29 DEC 2022     |

| Schedule of AIRAC effective dates 2023 |                 | Schedule of AIRAC effective dates 2024 |                 |
|----------------------------------------|-----------------|----------------------------------------|-----------------|
| Publication dates                      | Effective dates | Publication dates                      | Effective dates |
| 15 DEC 2022                            | 26 JAN 2023     | 14 DEC 2023                            | 25 JAN 2024     |
| 12 JAN 2023                            | 23 FEB 2023     | 11 JAN 2024                            | 22 FEB 2024     |
| 09 FEB 2023                            | 23 MAR 2023     | 08 FEB 2024                            | 21 MAR 2024     |
| 09 MAR 2023                            | 20 APR 2023     | 07 MAR 2024                            | 18 APR 2024     |
| 06 APR 2023                            | 18 MAY 2023     | 04 APR 2024                            | 16 MAY 2024     |
| 04 MAY 2023                            | 15 JUN 2023     | 02 MAY 2024                            | 13 JUN 2024     |
| 01 JUN 2023                            | 13 JUL 2023     | 30 MAY 2024                            | 11 JUL 2024     |
| 29 JUN 2023                            | 10 AUG 2023     | 27 JUN 2024                            | 08 AUG 2024     |
| 27 JUL 2023                            | 07 SEP 2023     | 25 JUL 2024                            | 05 SEP 2024     |
| 24 AUG 2023                            | 05 OCT 2023     | 22 AUG 2024                            | 03 OCT 2024     |
| 21 SEP 2023                            | 02 NOV 2023     | 19 SEP 2024                            | 31 OCT 2024     |
| 19 OCT 2023                            | 30 NOV 2023     | 17 OCT 2024                            | 28 NOV 2024     |
| 16 NOV 2023                            | 28 DEC 2023     | 14 NOV 2024                            | 26 DEC 2024     |

**5. Pre-flight information services at aerodromes/heliports**

| AIS briefing units                                                   |                      |                      |                |                             |
|----------------------------------------------------------------------|----------------------|----------------------|----------------|-----------------------------|
| Postal address                                                       | TEL                  | FAX                  | TELEX/AFTN     | RMK/Services                |
| 1                                                                    | 2                    | 3                    | 4              | 5                           |
| AP Zurich:<br>skyguide AIS<br>CH-8602 Wangen bei<br>Dübendorf        | +41 (0) 43 931 61 61 |                      | LSZHYOYX       | AIS                         |
|                                                                      | +41 (0) 43 931 62 05 |                      | LSZHYPZX       | ATS Reporting Office<br>ARO |
| AP Genève:<br>AIS/Service Traffic<br>CH-1215 Geneva 15               | +41 (0) 22 717 71 27 | +41 (0) 22 717 71 31 | 415 707 com ch | AIS/OPS                     |
|                                                                      |                      |                      | LSGGYOYX       | AIS                         |
|                                                                      |                      |                      | LSGGZPZX       | ATS Reporting Office<br>ARO |
| AP Lugano:<br>Servizio Traffico AIS<br>Via Aeroporto<br>CH-6982 Agno | +41 (0) 91 610 11 16 | +41 (0) 91 610 16 20 | ---            | AIS                         |

**5.1 Zurich - General Aviation Service Centre (GASC)**

The GASC AIS is unattended. Operational HR: 0430 - 2130 (0330 - 2030). The applicable procedure for pilots to obtain the information is placarded.

AVBL are:

- tailored AD and ENR information;
- printer;
- flight plan forms.

**5.2 Zurich - Terminal A, E and between Stands C and Gate Gourmet Building**

Terminal A (BLDG A1, floor 0, room 0-156), Terminal E (Dock E, floor 0, room M1 0-967) and container between C-stands and Gate Gourmet BLDG (BLDG O65, room 0-110) are unattended. Operational HR: **H24**.

AVBL are:

- tailored AD and ENR information;
- printer;
- phone;
- flight plan forms.

**5.3 Daily Airspace Bulletin Switzerland (DABS)**

The Daily Airspace Bulletin DABS is an integral part of Switzerland's official aeronautical publication and, with the help of the NOTAM publications, illustrates in graphical form the current status of the airspace. It also provides added assistance for pilots preparing VFR flights.

- Activation of PRD areas and TEMPO TMA
- TEMPO TMA/CTR activations
- Military firing above 250m/AGL

The basis is provided by a geographical map of Switzerland (scale 1:1,250,000 in A4 format) showing aerodromes and a simplified illustration of the airspaces (CTR/TMA). Flight restriction areas (R-Areas), danger zones (D-Areas), no-fly zones (P-Areas) and airspace activations for TEMPO TMA are illustrated on the DABS chart. Other series W, (e.g. PJE, GLD, Air Displays) NOTAM and NOTAM that affect all or parts of Swiss territory (e.g. MIL night flights) are only indicated in the text section insofar as an icon exists with the corresponding activity on the ICAO chart. If there is no icon on the ICAO chart BAZL (Federal Office of Civil Aviation) decides depending upon the situation.

To prevent airspace violations no additional and planned airspace restrictions will be approved during the current day. The only exception is "imminent danger" (unforeseen and urgent airspace closures as the result of an accident or catastrophe). Regardless of the time a publication of this nature can trigger a new DABS publication.

The DABS incorporates NOTAM information at the time of its publication. Airspace restrictions, which are no longer required (reopened ahead of time) or have expired at the time of updating, will not be indicated in the ensuing publication. In between the fixed publication times NOTAM will be updated without delay. This could lead to discrepancies between the NOTAM and DABS information.

The latest information can be obtained from:

- Flight Information Control (FIC) Geneva 126.350 MHz;
- Flight Information Control (FIC) Zurich 124.700 MHz;
- KOSIF (phone number +41 44 813 31 10).

DABS is published by AIM Services and can be accessed by visiting [www.skybriefing.com](http://www.skybriefing.com).

#### **DABS Creation (first version)**

Publication takes place daily at 16:00 hours (local time) and shows all airspace restrictions applying to the following day. No additional airspace restrictions will be published after this time. (Version 1)

#### **DABS Updating**

A new publication, which is valid immediately upon release, will be made available at 9:00 / 13:00 / 16:00 (local time).

Night flights undertaken by the Swiss Air Force will be listed on the DABS by 16:00, at the latest, for the current day.

### **6. Electronic Terrain and Obstacle Data**

Under the current terms of use from swisstopo skyguide uses the official source from the swiss government:

URL: <https://www.swisstopo.admin.ch/en/home/meta/conditions/geodata/ogd.html>

- Federal Office of Topography swisstopo

#### **6.1 Electronic Terrain Data**

Electronic terrain data is provided by:

Post: Swisstopo, Federal Office of Topography  
Seftigenstrasse 264,  
P.O. Box  
CH - 3084 Wabern

Phone: +41 (0) 58 469 01 11

Fax: +41 (0) 58 469 04 59

Hours of Service: Mon-Fri 0845-1245, 1420-1800 (0945-1345, 1520-1900)

Email: [info@swisstopo.ch](mailto:info@swisstopo.ch)

URL: <http://www.swisstopo.admin.ch>

##### **Area 1:**

Swisstopo "DHM25"

The digital elevation model DHM25 is a set of data representing the 3D form of the earth's surface not including vegetation and buildings. It is based on the Swiss National Map 1:25 000. DHM25 is available with 25m. An enlarged grid of 200 m is also available.

It is not compliant with all requirements of ICAO Annex 15, Tables A8-1 and A8-3 for Area 1 electronic terrain data. Deviations exist with regards to the vertical and horizontal reference system, and the provision of all required electronic terrain data attributes.

Electronic terrain data users shall therefore carefully assess whether the product is adequate for their intended use.

A data product specification may be obtained at

URL: [https://shop.swisstopo.admin.ch/en/products/height\\_models/dhm25](https://shop.swisstopo.admin.ch/en/products/height_models/dhm25)

##### **Area 2, 3 and 4:**

Swisstopo "swissALTI3D"

swissALTI3D is a very precise digital elevation model of Switzerland. It models the surface without vegetation and buildings. A yearly update is provided, which ensures a full update in a cycle of 6 years. The data can be delivered with a post spacing of 2 m, 5 m or 10 m.

swissALTI3D is not compliant with all requirements of ICAO Annex 15, Tables A8-1 and A8-3 for Area 1 electronic terrain data. Deviations exist with regards to the vertical and horizontal reference system, the confidence interval (1 Sigma (68%) instead of 90%) and the provision of all required terrain attributes.

Electronic terrain data users shall therefore carefully assess whether the product is adequate for their intended use.

A data product specification may be obtained at

URL: [https://shop.swisstopo.admin.ch/en/products/height\\_models/alti3d](https://shop.swisstopo.admin.ch/en/products/height_models/alti3d)

**6.2 Electronic Obstacle Data****Area 1:**

Electronic obstacle data for Area 1 is provided by:

Post: Federal Office of Civil Aviation  
CH-3003 Berne

Phone: +41 (0) 58 465 80 39/40

Fax: +41 (0) 58 465 80 32

Email: [foca.aim@bazl.admin.ch](mailto:foca.aim@bazl.admin.ch)

The obstacle data set can be downloaded from the following FOCA Website:

URL: <http://www.bazl.admin.ch/wegom>

Downloads: Air navigation obstacles data (download KMZ)

Description:

URL: <http://www.bazl.admin.ch/wegom>

The data set contains all reported obstacles higher than 60 m AGL within settlement areas and higher than 25 m outside of settlement areas. Obstacles in the proximity of airports are not included in the data set.

The area 1 obstacle data set is not compliant with all specifications of ICAO Annex 15, Tables A8-2 and A8-4 for Area 1. Deviations exist with regards to the vertical and horizontal reference system, and the provision of all required obstacle attributes.

Electronic obstacle data users shall therefore carefully assess whether the product is adequate for their intended use.

**Area 2, 3 and 4:**

Electronic obstacle data for area 2, 3 and 4 is currently not available.

**7. Post Flight Information**

General information and observations (e.g. the presence of birds or the state and operation of air navigation facilities) shall be forwarded to AIM Services Zurich to:

Email: [ais.zrh@skyguide.ch](mailto:ais.zrh@skyguide.ch)

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