



Guidelines for drone operators in the open category 'How to read and understand a DABS chart'

Date: 01.03.2021

Reference: BAZL-311.340-29/1/2 – Version 1.0

How do I read the DABS chart for safe flight preparation?

- What else is going on in the airspace where I want to fly my drone?

The DABS chart tells me what is currently happening in the airspace. The Daily Airspace Bulletin (DABS for short) is part of Switzerland's official aviation publication and presents in graphic form the current airspace status based on the NOTAM (Notice to Airmen) publications (detailed explanation below). DABS is published daily at 1600 (local time) and contains all airspace restrictions on the following day. DABS is published by Skyguide AIM Services and can be accessed free of charge at www.skybriefing.com.

Daily Airspace Bulletin Switzerland

[DABS-2020/11/03](#)

[DABS-2020/11/04 \(Nicht verfügbar\)](#)

Publikationszeiten

DABS Erstversion (Version 1):
Tägliche Publikation um 16:00 Lokalzeit für den Folgetag.

DABS Aktualisierungen (Version 2 / 3 / 4):
Neupublikationen mit sofortiger Gültigkeit werden um 09:00, 13:00, 16:00 Lokalzeit veröffentlicht.

Zusätzlich zur NOTAM Publikation werden Gefahren, Einschränkungen und Änderungen im Schweizer Luftraum auf der DABS Karte grafisch dargestellt.

Detaillierte Informationen sind immer dem NOTAM zu entnehmen.

[Erfahren Sie mehr](#)

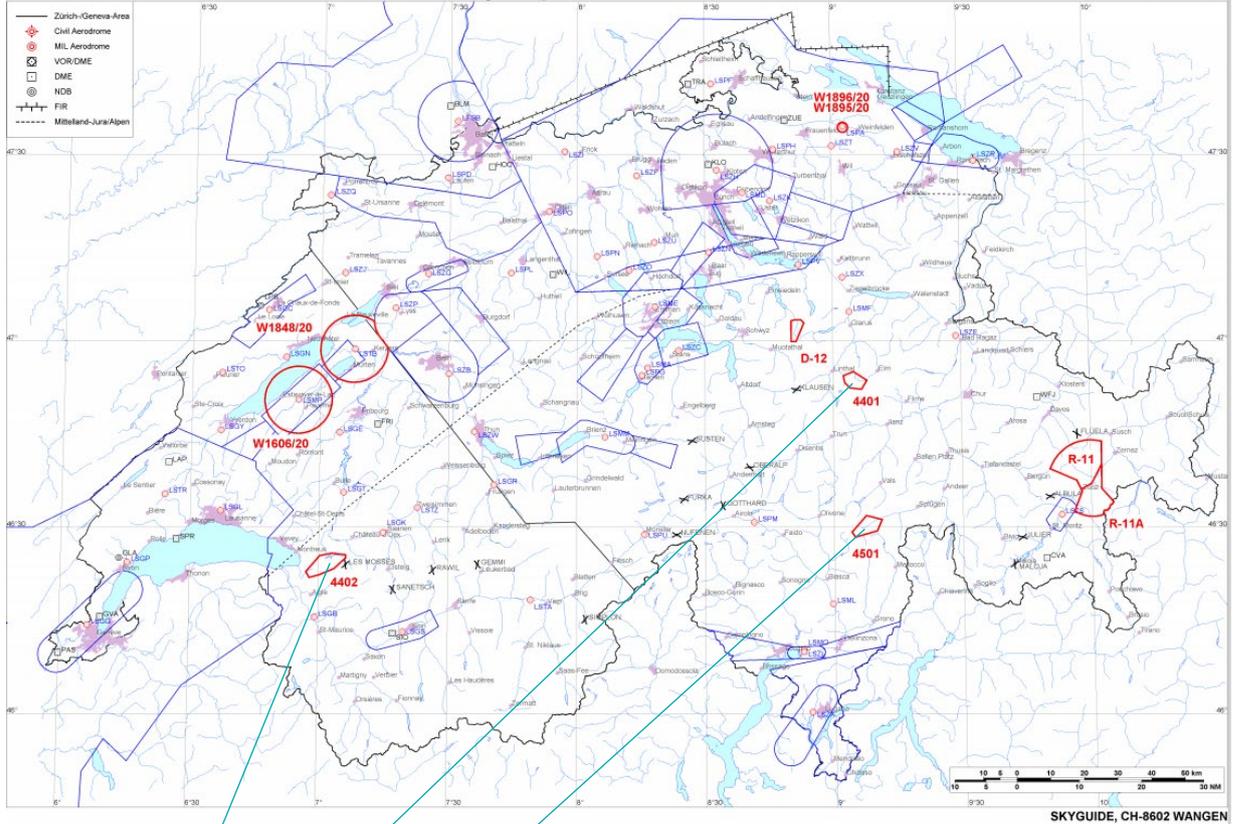
How do I read and understand the DABS chart?

In the upper part of the chart/on the first page you can see the graphical representation of airspaces, flight restrictions and no-fly zones. The red entries refer to a NOTAM and are particularly important: in



these areas, airspace restrictions or other airspace-related activities are to be expected. These areas must therefore be observed and avoided by operators of unmanned aircraft/pilots of manned aircraft.

DABS Date : 2020 NOV 03 **Daily Airspace Bulletin Switzerland** **Version 1**



In the lower part/on the following pages the individual NOTAMs can be seen in detail.

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DABS Date: 2020 NOV 03

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Firing-Nr AIP-Area NOTAM-Nr	Validity UTC	Lower Limit (m/ft AMSL or FL)	Upper Limit (m/ft AMSL or FL)	Center Point	Covering Radius	NOTAM Item E
4401 W1903/20	0700 - 2100	GND	4500m / 14800ft	465353N 0090509E	3.6 KM / 1.9 NM	FRNG WILL TAKE PLACE AREA 6.8 KM SW ELM, 465503N0090450E 465340N0090757E 465214N0090638E 465229N0090355E 465317N0090244E 465424N0090227E 465503N0090450E (465353N0090509E RADIUS 1.9 NM).
4402 W1898/20	0700 - 2200	GND	4500m / 14800ft	462409N 0070144E	6.4 KM / 3.5 NM	FRNG WILL TAKE PLACE AREA 4.9 KM NNW LE SEPEY, 462535N0070619E 462505N0070619E 462319N0070336E 462219N0070007E 462154N0065754E 462251N0065705E 462526N0070016E 462549N0070303E 462535N0070619E (462409N0070144E RADIUS 3.5 NM).
4501 W1706/20	0600 - 1800	GND	4500m / 14800ft	463013N 0090736E	4.9 KM / 2.6 NM	FRNG WILL TAKE PLACE AREA 6.5 KM WSW HINTERRHEIN, 463152N0090730E 463113N0091107E 462926N009056E 462823N0090453E 462913N0090405E 463152N0090730E (463013N0090736E RADIUS 2.6 NM).
D-12 W1585/20	0700 - 1100 1200 - 2100	GND	3000m / 9850ft	470140N 0085126E	3.6 KM / 1.9 NM	D-AREA LS-D12 SIHLTAL ACT.
R-11 W1884/20	0730 - 1600	GND	9600m / 31500ft	464056N 0095708E	8.9 KM / 4.8 NM	R-AREA LS-R11 S-CHANF ACT.
R-11A W1886/20	0730 - 1600	2150m / 7000ft	9600m / 31500ft	463605N 0095959E	8.2 KM / 4.5 NM	R-AREA LS-R11A S-CHANF ACT.
W1606/20	0900 - 0930	GND	FL120	465033N 0065449E	10.0 KM / 5.4 NM	TEMPO R-AREA PAYERNE ACT DUE TO AIR DISPLAY WI RADIUS 10.0 KM (465033N0065449E RADIUS 5.4 NM). ENTRY PROHIBITED WHEN ACT EXC HEL EMERG MEDICAL SER (HEMS). FOR INFO ON ACT AND HEMS COOR CTC PAYERNE TWR 128.675.
W1848/20	1330 - 1430	GND	FL120	465846N 0070746E	10.0 KM / 5.4 NM	TEMPO R-AREA BELLECHASSE ACT DUE TO AIR DISPLAY WI RADIUS 10.0 KM (465847N0070747E RADIUS 5.4 NM), LS2B TMA1 EXCLUDED. ENTRY PROHIBITED WHEN ACT EXC HEL EMERG MEDICAL SER (HEMS). FOR INFO ON ACT CTC PAYERNE TWR 128.675. HEMS CTC 130.800 FOR COOR.
W1895/20	0000 - 0500 2200 - 2359	GND	2000m / 6500ft	473426N 0090254E	1.5 KM / 0.8 NM	TEMPO D-AREA ESTABLISHED AT AMLIKON AD, RADIUS 1.5 KM (473426N0090254E RADIUS 0.8 NM). WX MEASUREMENTS BY REMOTELY PILOATED AERIAL SYSTEM WILL TAKE PLACE. WHITE BLINKING PSN LGT WITH VISUAL RANGE OF AT LEAST 3 KM. FOR INFO CTC TEL +41 79 822 26 91 OR +41 79 893 93 31.
W1896/20	0000 - 0400 2230 - 2359	2000m / 6500ft	FL195	473426N 0090252E	0.2 KM / 0.1 NM	TEMPO R-AREA ESTABLISHED AT AMLIKON AD, RADIUS 0.2 KM (473426N0090252E RADIUS 0.1 NM). WX MEASUREMENTS BY REMOTELY PILOATED AERIAL SYSTEM WILL TAKE PLACE. WHITE BLINKING PSN LGT WITH VISUAL RANGE OF AT LEAST 3 KM. FOR INFO CTC TEL +41 79 822 26 91 OR +41 79 893 93 31.

Time validity in UTC
(Coordinated Universal
Time)

Flight altitude (lower limit) in
feet. One foot is 0.3 metres
(GND = Ground)

Flight altitude (upper
limit)

Exact coordinates

Area radius

D-Area Danger Area

What is happening in this zone

R-Area Flight Restricted Area

This list tells you exactly where and when a specific NOTAM applies. The NOTAM text also gives you the details of the planned flight operation/restriction (what exactly is happening).

NB: the D-Areas, R-Areas and P-Areas are mapped on the first page of the DABS (explanation below). There is also NOTAM information displayed here which is not shown on the chart.



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Activities not shown on the DABS Chart Side:

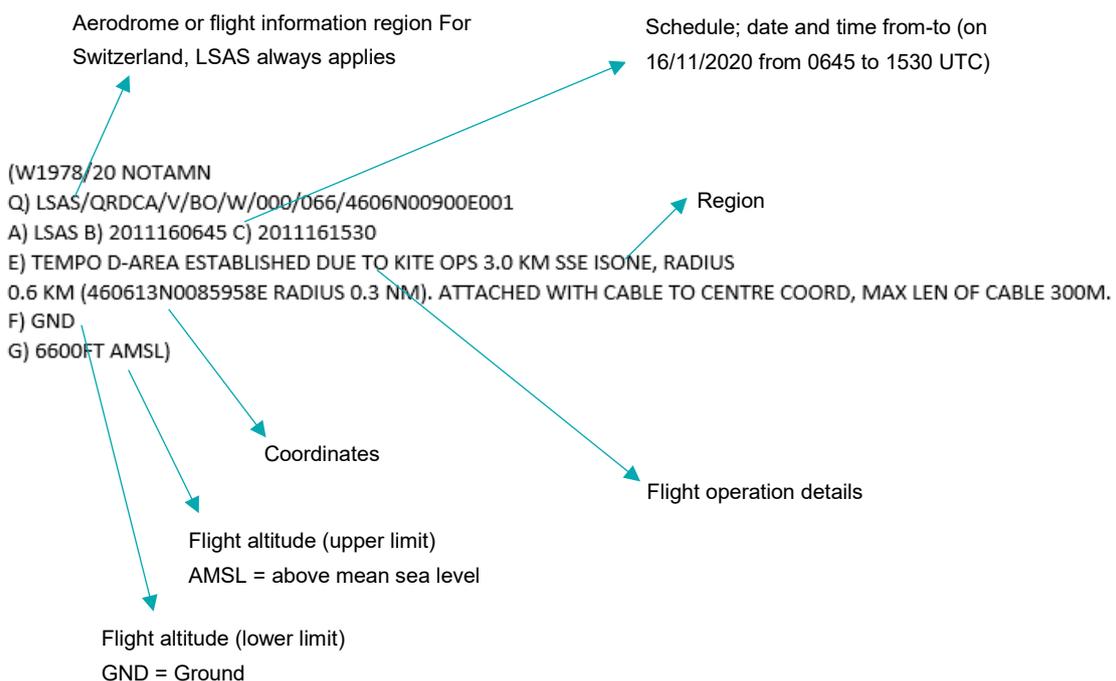
NOTAM-Nr	Validity UTC	Lower Limit (m/ft AMSL or FL)	Upper Limit (m/ft AMSL or FL)	Center Point	Covering Radius	NOTAM Item E
W1297/20	0530 - 1500	GND	600m / 2050ft	472316N 0083255E	1.5 KM / 0.8 NM	UNMANNED ACFT ACT WILL TAKE PLACE OVER ZURICH CITY ALONG TR 472352.22N0083253.95E 472352.33N0083300.79E 472348.91N0083316.32E 472347.64N0083323.26E 472345.13N0083326.53E 472341.14N0083327.08E 472319.78N0083324.98E 472313.30N0083326.10E 472309.85N0083324.27E 472305.62N0083320.26E 472256.79N0083311.56E 472246.53N0083259.14E 472244.34N0083259.99E 472243.19N0083302.63E. CENTERED ON 472315.73N0083254.70E RADIUS 1.5 KM (472316N0083255E RADIUS 0.8 NM). BETWEEN UNIVERSITY HOSPITAL ZURICH AND UNIVERSITY ZURICH IRCHEL BOTH DIRECTIONS AT AND BELOW 120M/400FT AGL. FOR INFO CTC +41 43 508 90 58.
W1303/20	0500 - 1500	GND	450m / 1550ft	460049N 0085718E	1.0 KM / 0.5 NM	UNMANNED ACFT WILL TAKE PLACE OVER LUGANO CITY ALONG TR 460102.09N0085709.64E 460055.24N0085708.51E 460048.51N0085709.74E 460041.39N0085712.76E 460038.15N0085717.11E 460035.96N0085732.07E 460035.80N0085740.12E. CENTERED ON 460049.11N0085718.39E RADIUS 1.0 KM (460049N0085718E RADIUS 0.5 NM). BTN EOC OSPEDALE REGIONALE DI LUGANO-ITALIANO AND EOC OSPEDALE REGIONALE DI LUGANO-CIVICO (BOTH DIRECTIONS) AT AND BLW 140M/460FT AGL. FOR INFO CTC TEL +41 43 508 90 58.
W1929/20	0000 - 2359	GND	3500m / 11450ft	455606N 0074226E	0.9 KM / 0.5 NM	UNMARKED CABLES 5.7KM E BREUIL BTN TESTA GRIGIA AND KLEIN MATTERHORN RADIUS 0.9 KM (455606N0074226E RADIUS 0.5 NM). VCY OF THEODULGLETSCHER MT LDG PLACE. MAX ALT UP TO 623.4 FT AGL.

For detailed information regarding the DABS see AIP Switzerland GEN 3.1-5 or VFR GEN 1-0-4.
! New or changed data regarding an earlier version of the DABS.

What exactly is a NOTAM and how do I read the NOTAM text (Item E)?

A NOTAM is a message concerning the formation, status and changes in airspace, as well as services, procedures or hazards, which aviation and air navigation services personnel need to know in good time. NOTAMs are published in English with International Civil Aviation Organization (ICAO) abbreviations. All times are given in Coordinated Universal Time (UTC).

NOTAM structure and content



Reference: BAZL-311.340-29/1/2

Example explanation: There are tethered kites in the Isonne region. The zone stretches from the ground to 6600 ft AMSL and is valid from 16.11.2020, 0745 to 16.11.2020, 1630 Swiss time.

It is important for drone operators to know where a flight restriction zone or no-fly zone is located so that drones can be safely operated.

D-Area: Danger Area: it is allowed to fly with increased attention

R-Area: Restricted Area: no flying allowed here

P-Area: Prohibited Area: no flying allowed here