A black and white aerial photograph of the Ardennes mountain range. The mountains are covered in dense forests, with rocky peaks and valleys. The perspective is from above, looking down at the landscape.

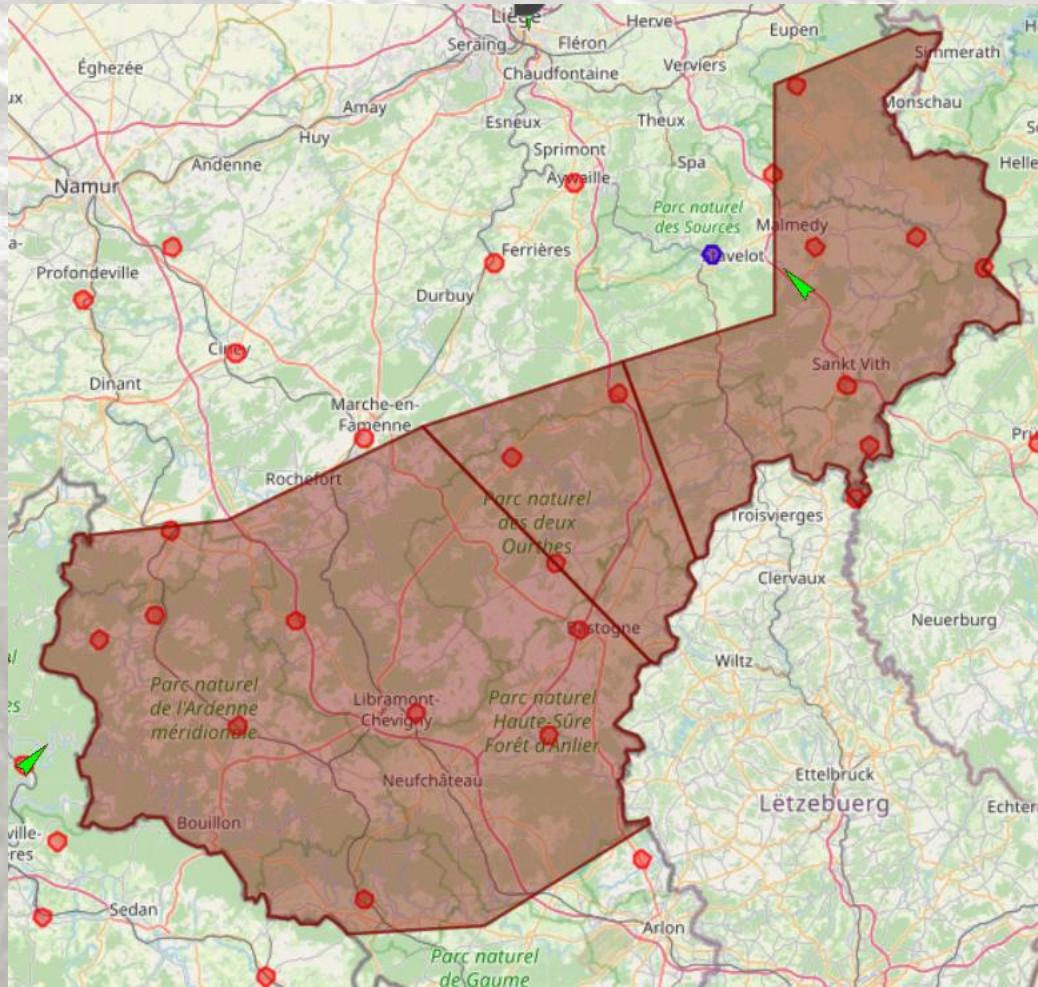
Glider Areas Ardennes

Training (& Exam)

What is the “GAA” certificate?

- Agreement with MIL
→ « OK to fly within GAA zones for identified, authorized pilots, complying with specific conditions »
- New knowledge, new rules ==> new responsibilities
- An additional “GAA” certificate
 - “ Pilote”
 - “ Pilote XC”
 - “ Pilote XC GAA”

GAA = FL65 during the week!

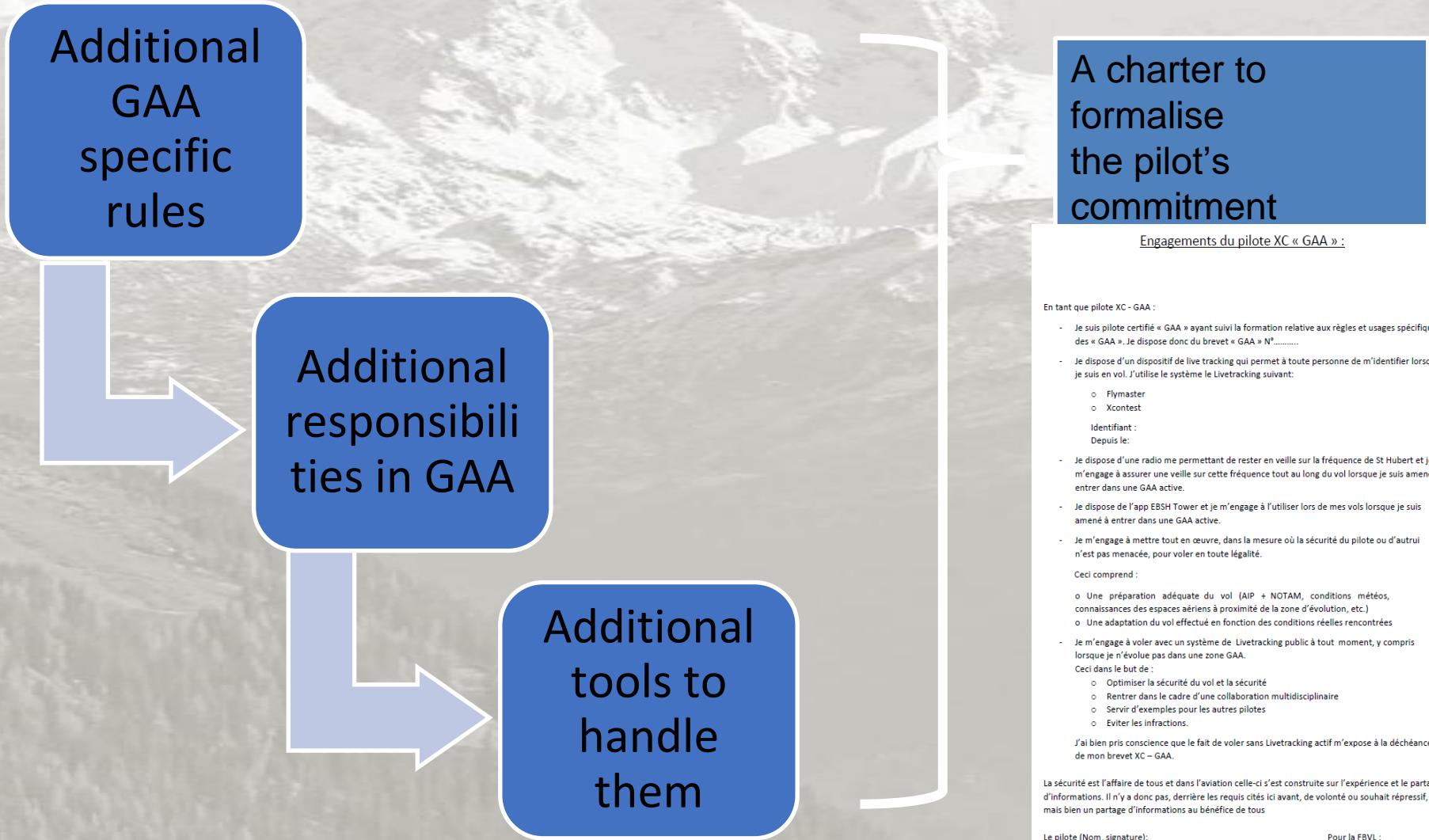


Conditions to fly within GAA zones

The pilot has to:

- follow a **GAA training**
 - successfully pass the **GAA exam**
 - have signed the **GAA charter**
 - fly with **Livetracking** (XCTrack/Xcontest or Flymaster) whenever the pilot go flying
 - own and use a radio able to **listen to EBSH frequency** (122.180 MHz)
 - Use **EBSH Tower app** on an Android smartphone whenever flying within GAA zones
- receive a **FBVL GAA NUMBER CERTIFICATE** once all conditions are met.

Accountability through a charter:



Charter

Engagements du pilote XC « GAA » :

En tant que pilote XC - GAA :

- Je suis pilote certifié « GAA » ayant suivi la formation relative aux règles et usages spécifiques des « GAA ». Je dispose donc du brevet « GAA » N°
- Je dispose d'un dispositif de live tracking qui permet à toute personne de m'identifier lorsque je suis en vol. J'utilise le système le Livetracking suivant:

- o Flymaster
- o Xcontest

Identifiant :

Depuis le:

- Je dispose d'une radio me permettant de rester en veille sur la fréquence de St Hubert et je m'engage à assurer une veille sur cette fréquence tout au long du vol lorsque je suis amené à entrer dans une GAA active.
- Je dispose de l'app EBSH Tower et je m'engage à l'utiliser lors de mes vols lorsque je suis amené à entrer dans une GAA active.

- Je m'engage à mettre tout en œuvre, dans la mesure où la sécurité du pilote ou d'autrui n'est pas menacée, pour voler en toute légalité.

Ceci comprend :

- o Une préparation adéquate du vol (AIP + NOTAM, conditions météos, connaissances des espaces aériens à proximité de la zone d'évolution, etc.)
- o Une adaptation du vol effectué en fonction des conditions réelles rencontrées
- Je m'engage à voler avec un système de Livetracking public à tout moment, y compris lorsque je n'évolue pas dans une zone GAA.

Ceci dans le but de :

- o Optimiser la sécurité du vol et la sécurité
- o Rentrer dans le cadre d'une collaboration multidisciplinaire
- o Servir d'exemples pour les autres pilotes
- o Eviter les infractions.

J'ai bien pris conscience que le fait de voler sans Livetracking actif m'expose à la déchéance de mon brevet XC – GAA.

La sécurité est l'affaire de tous et dans l'aviation celle-ci s'est construite sur l'expérience et le partage d'informations. Il n'y a donc pas, derrière les requis cités ici avant, de volonté ou souhait répressif, mais bien un partage d'informations au bénéfice de tous

Le pilote (Nom, signature):

.....

Pour la FBVL :

.....

Subjects :

- Specific GAA Knowledge
 - How GAA works
 - Radio and EBSH-Tower app monitoring
 - **GAA commitment**

- EBSH-Tower app
 - How, why, when
 - Messages for confirmation
- Tools for GAA and flights in general
 - Airspace.xcontest.org
 - Friendly Air Tool
 - Skeyes – AIP – Notams
 - BPC Facebook group briefings
 - Livetracking: XCTrack/Xcontest and Flymaster
- XC reminder
 - Altimetry
 - Airspaces
 - LFA Golf

Specific GAA Knowledge

Contact:
AIM Belgium
Control Tower
Tervuursesteenweg 303
1820 Steenokkerzeel
BELGIUM
AFS: EBVAYOYX
Email: aip.production@skeyes.be
URL: <https://ops.skeyes.be>

AIP Supplement
Belgium and Luxembourg


AIMI Belgium

SUP
007/2024

Effective from
15 MAR 2024
to 15 OCT 2024

Published on
08 FEB 2024

!

GLIDER AREAS ARDENNES 2024

1 General

The Glider Areas Ardennes aim at replacing the MILFAG areas 11, 12, 13, 14, 15, 16 as defined in AIP Belgium & Luxembourg ENR 5.5.

The Glider Areas Ardennes are on trial from 15 MAR 2024 till 15 OCT 2024.

All terms and details as described in the LoAs

- between Belgian Air Component and Centre National de Vol à Voile (CNVV) and VZW Belgian Air Cadets (BAC) (Ref COA – LoA 52)
- between Belgian Air Component and Royal Verviers Aviation ASBL (Ref COA – LoA 74)

remain in effect if not modified by this AIP SUP.

Specific GAA Knowledge (2022-2023)

GLIDER AREA SAINT-HUBERT (1)(2)(3)

| Lateral limits | Vertical limits | Type of restriction / nature of hazard | Time of activity |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|-----------------------------------------------------------------|
| 500567N 0045210E - 500657N 0050553E - 501252N 0052512E - 495757N 0054744E - along the Belgian-Luxembourg border - 494738N 0054729E - 494106N 0053116E - 494038N 0051741E - along the Belgian-French border - 500567N 0045210E. | FL 065 (Included) / 4500 FT AMSL | Glider activity. | 15 MAR till 15 OCT - daily 1000 (0900) till SS (4)(6) (6)(7) |

(1) Glider sector. Airspace class G during activation.

(2) Transponder carriage is not compulsory. Gliders equipped with transponders will read: A1477.

(3) Activated by NOTAM D-1 1600 (1500) at the latest.

(4) All non-military aircraft within this airspace need to be in contact with Saint-Hubert Radio on 122.180 MHZ or, for Belgian Air Cadets only, with Bertrix Radio on 130.130 MHZ.

(5) Any conflicting areas announced by NOTAM, except TSA25C and TSA26B, are excluded for glider use during activation. In case of simultaneous activation of Glider Area Saint-Hubert and TSA25C or TSA26B, both areas are usable at the same time. Pilots operating within TSA25C or TSA26B shall be aware of Class G airspace activation up to FL 065 included.

(6) Activation can be checked with Brussels FIC on FREQ 126.900 MHZ, TEL +32 (0) 2 206 29 49 or with Belga Radar on FREQ 129.325 MHZ, TEL +32 (0) 2 44 38204.

(7) End time may be up to SS, see §3 'Special Procedures'.

GLIDER AREA LA ROCHE (1)(2)(3)

| Lateral limits | Vertical limits | Type of restriction / nature of hazard | Time of activity |
|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|-----------------------------------------------------------------|
| 501252N 0052512E - 501654N 0054455E - 500426N 0055210E - along the Belgian-Luxembourg border - 495757N 0054744E - 501252N 0052512E. | FL 065 (Included) / 4500 FT AMSL | Glider activity. | 15 MAR till 15 OCT - daily 1000 (0900) till SS (4)(6) (6)(7) |

(1) Glider sector. Airspace class G during activation.

(2) Transponder carriage is not compulsory. Gliders equipped with transponders will read: A1477.

(3) Activated by NOTAM D-1 1600 (1500) at the latest.

(4) All non-military aircraft within this airspace need to be in contact with Saint-Hubert Radio on 122.180 MHZ.

(5) Any conflicting areas announced by NOTAM are excluded for glider use during activation.

(6) Activation can be checked with Brussels FIC on FREQ 126.900 MHZ, TEL +32 (0) 2 206 29 49 or with Belga Radar on FREQ 129.325 MHZ, TEL +32 (0) 2 44 38204.

(7) End time may be up to SS, see §3 'Special Procedures'.

GLIDER AREA MALMEDY (1)(2)

| Lateral limits | Vertical limits | Type of restriction / nature of hazard | Time of activity |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|--------------------------------------------------------------|
| 501654N 0054455E - 501955N 0055956E - 503420N 0055956E - 503754N 0061308E - along the Belgian-German border - 500748N 0060816E - along the Belgian-Luxembourg border - 500426N 0055210E - 501654N 0054455E | FL 065 (Included) / 4500 FT AMSL | Glider activity. | 15 MAR till 15 OCT - daily 1000 (0900) till SS (3)(4) (5) |

(1) Glider sector. Airspace class G during activation.

(2) Activated by NOTAM D-1 1600 (1500) at the latest.

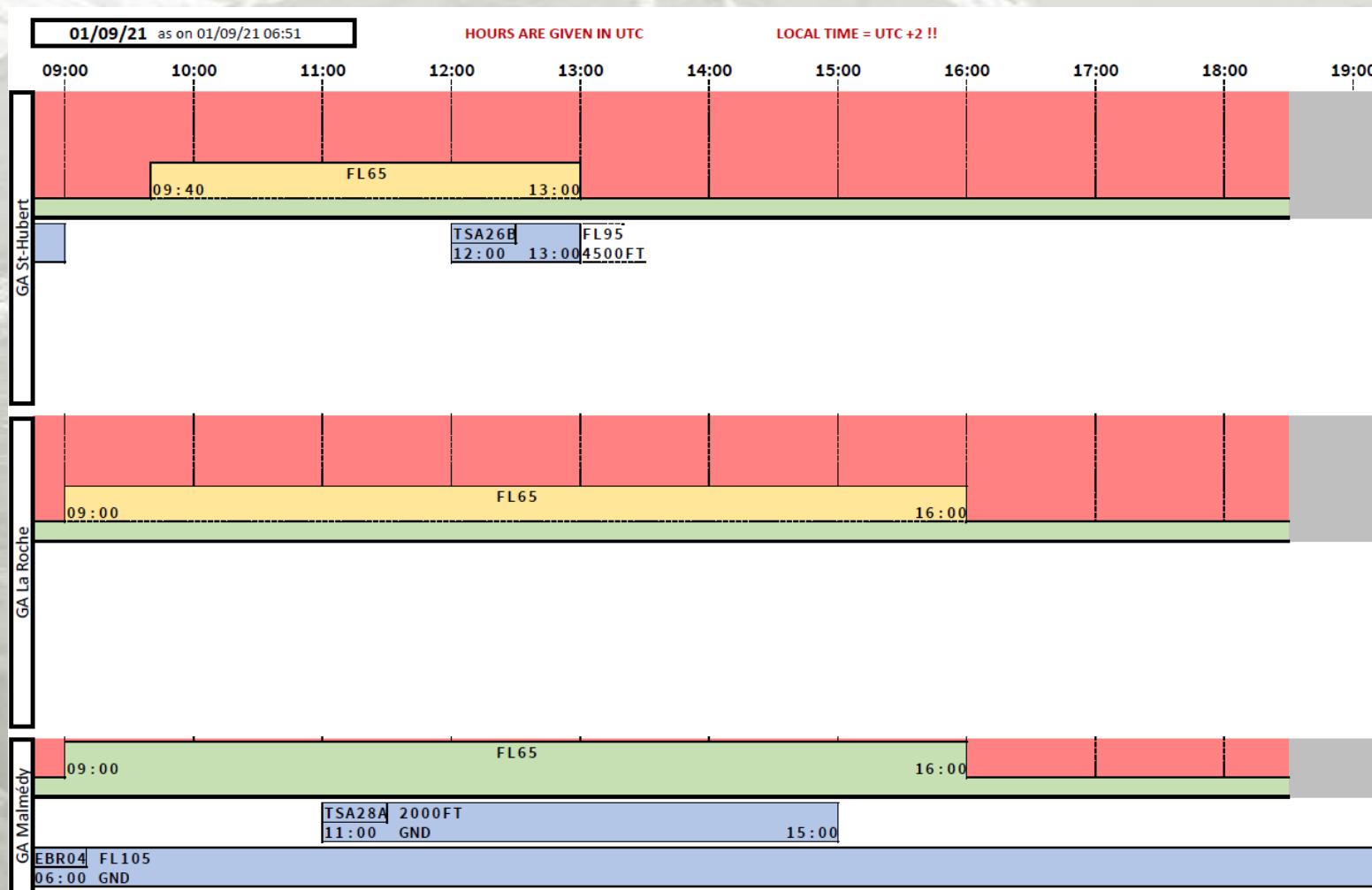
(3) All non-military aircraft within this airspace need to be in contact with Saint-Hubert Radio on 122.180 MHZ.

(4) Any conflicting areas announced by NOTAM are excluded for glider use during activation.

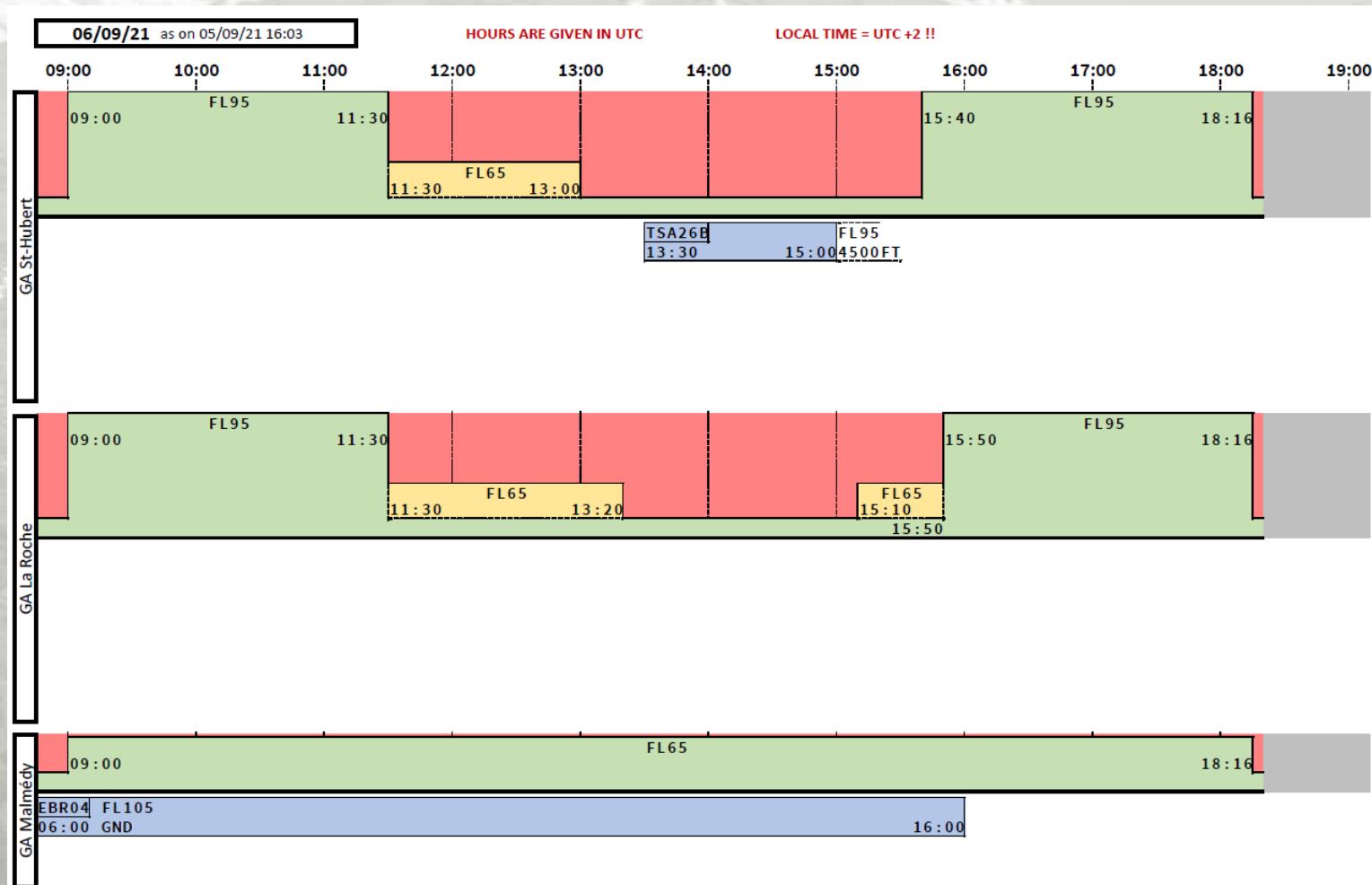
(5) Activation can be checked with Brussels FIC on FREQ 126.900 MHZ, TEL +32 (0) 2 206 29 49 or with Belga Radar on FREQ 129.325 MHZ, TEL +32 (0) 2 44 38204.

(6) End time may be up to SS, see §3 'Special Procedures'.

Example in 2021-2023!



Sometimes



2024: ☺!



Reminder: NOTAM = UTC!

2024 ~= summer 2023!

B3220/23

From: 01 JUL 23 09:00 *Till:* 31 AUG 23 16:00

Schedule: MON-FRI 0900-1600 EXC JUL 21 AUG 15

Text: REF SUP 005/2023. GLIDER AREA **LA ROCHE ACT**

CONSULT SUP FOR APPLICABLE PROC.

TRANSPOUNDER NOT REQUIRED

Lower limit: 4500FT AMSL *Upper limit:* FL065

B3222/23

From: 01 JUL 23 09:00 *Till:* 31 AUG 23 16:00

Schedule: MON-FRI 0900-1600 EXC JUL 21 AUG 15

Text: REF SUP 005/2023. GLIDER AREA **MALMEDY ACT**

CONSULT SUP FOR APPLICABLE PROC. TRANSPOUNDER NOT REQUIRED

Lower limit: 4500FT AMSL *Upper limit:* FL065

B3287/23

From: 04 JUL 23 11:50 *Till:* 31 AUG 23 16:00

Schedule: MON-FRI 0900-1600 EXC JUL 21 AUG 15

Text: REF SUP 005/2023. GLIDER AREA **SAINT-HUBERT ACT**

CONSULT SUP FOR APPLICABLE PROC. TSA26B IS PERMEABLE FOR GLIDERS INSIDE GLIDER

AREA SAINT-HUBERT. TRANSPOUNDER NOT REQUIRED

Lower limit: 4500FT AMSL *Upper limit:* FL065

B3294/23 (Exemple de la première semaine de juillet)

From: 04 JUL 23 13:04 *Till:* 07 JUL 23 13:15

Schedule: JUL 04 1200-1315, 05 0800-0915 1200-1315, 06 1330-1500, 07 0800-0915 1200-1315

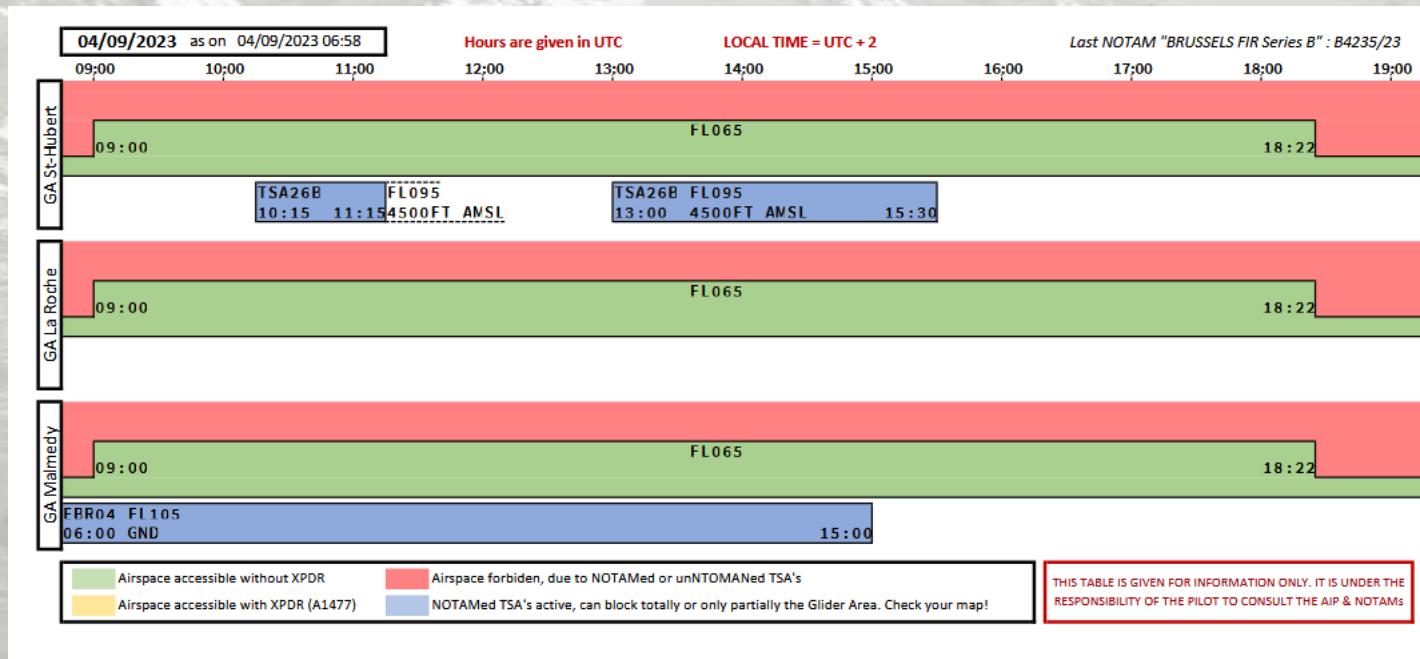
Text: TSA26B - ARDENNES 04 ACT

TSA26B IS PERMEABLE DURING ITS ACT FOR TRAFFIC INSIDE GLIDER AREA SAINT-HUBERT

WHEN ACT AND FOR ACFT IN EMERG

Lower limit: 4500FT AMSL *Upper limit:* FL095

This means...



EBR04 or other zones are NOT PERMEABLE

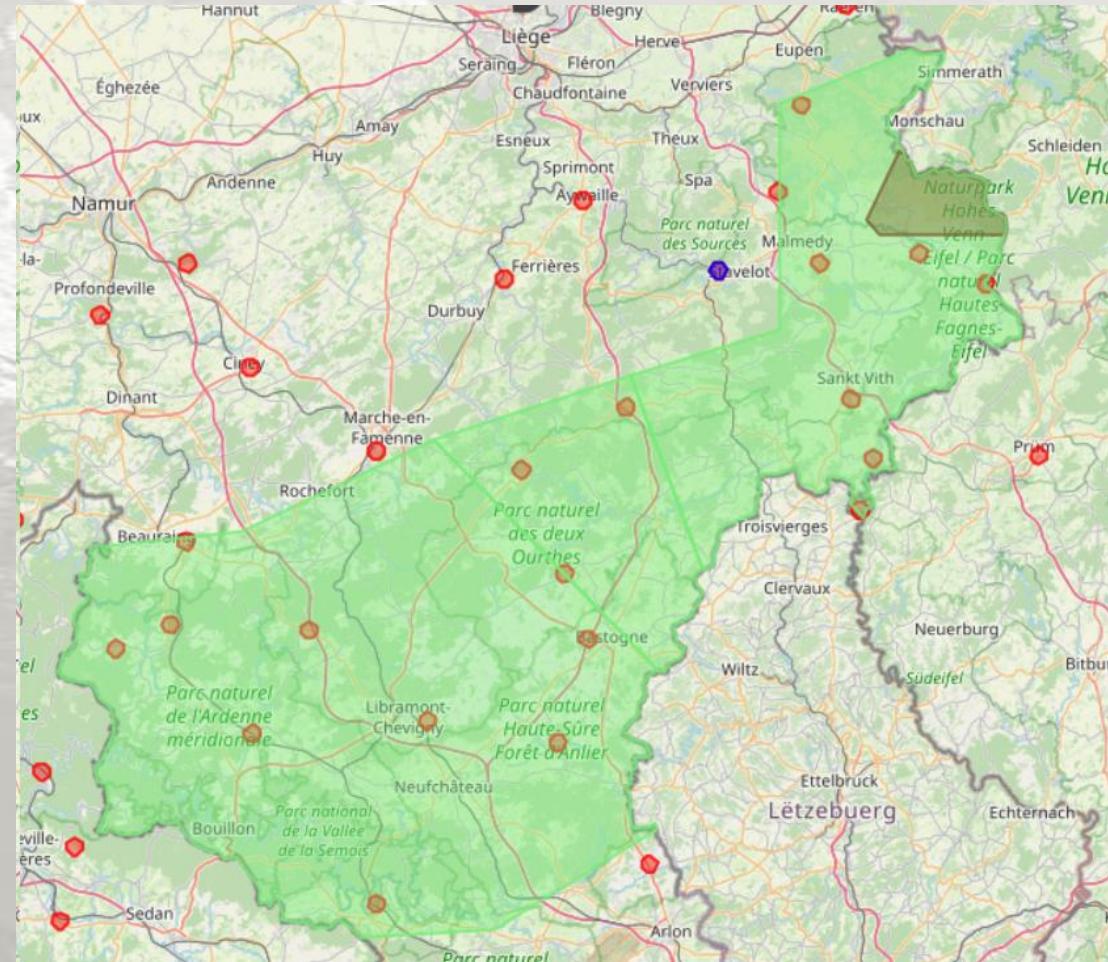
How GAA work?

The Glider Areas Ardennes (GAA), like the LFA-G, are specific **extension of the G class** airspace.

Differing from the usual non-controlled airspace, few specific rules to take into account.

3 different areas (2023):

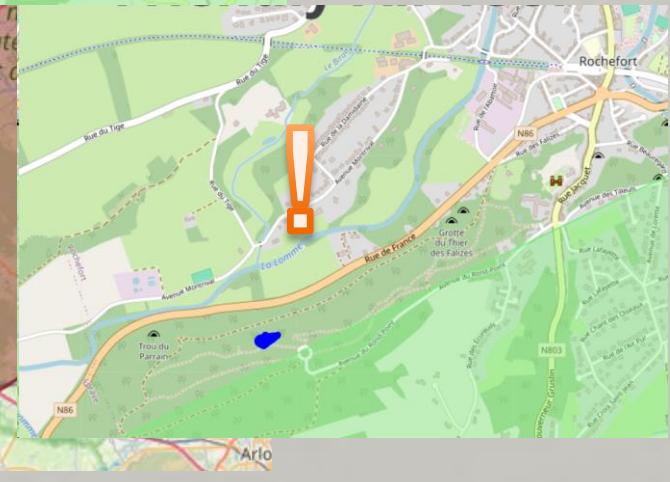
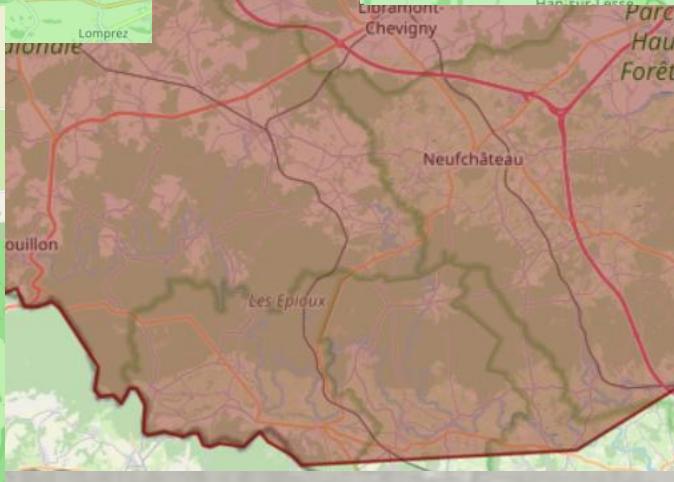
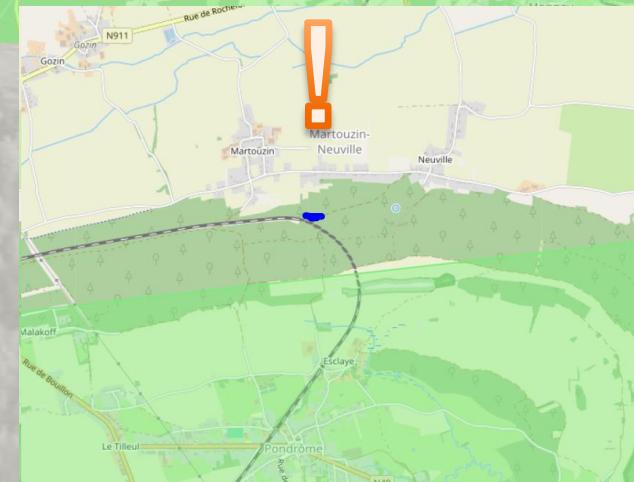
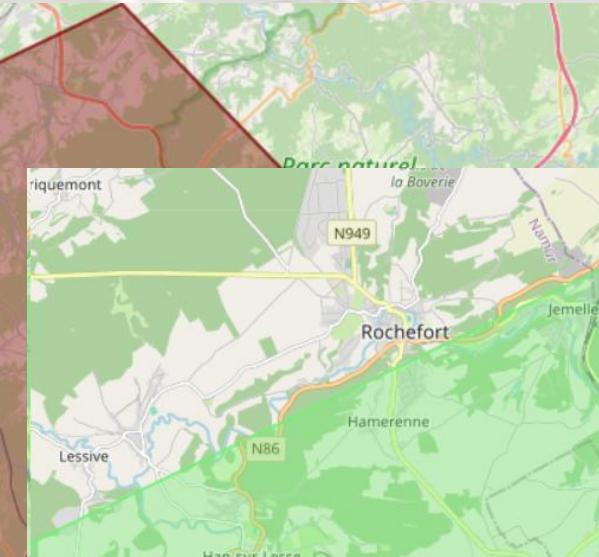
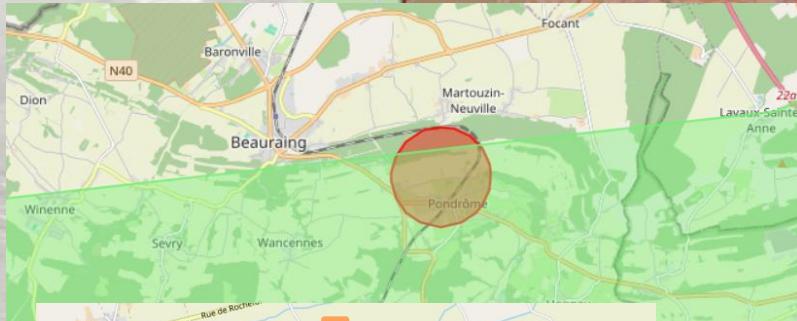
- **GA Saint-Hubert**
- **GA La Roche**
- **GA Malmedy.**



USE the Friendly AIR Tool to check details: <https://mids.be/fat/fat.php> Select GAA down the list!
CHECK ALTITUDE tranches to display!

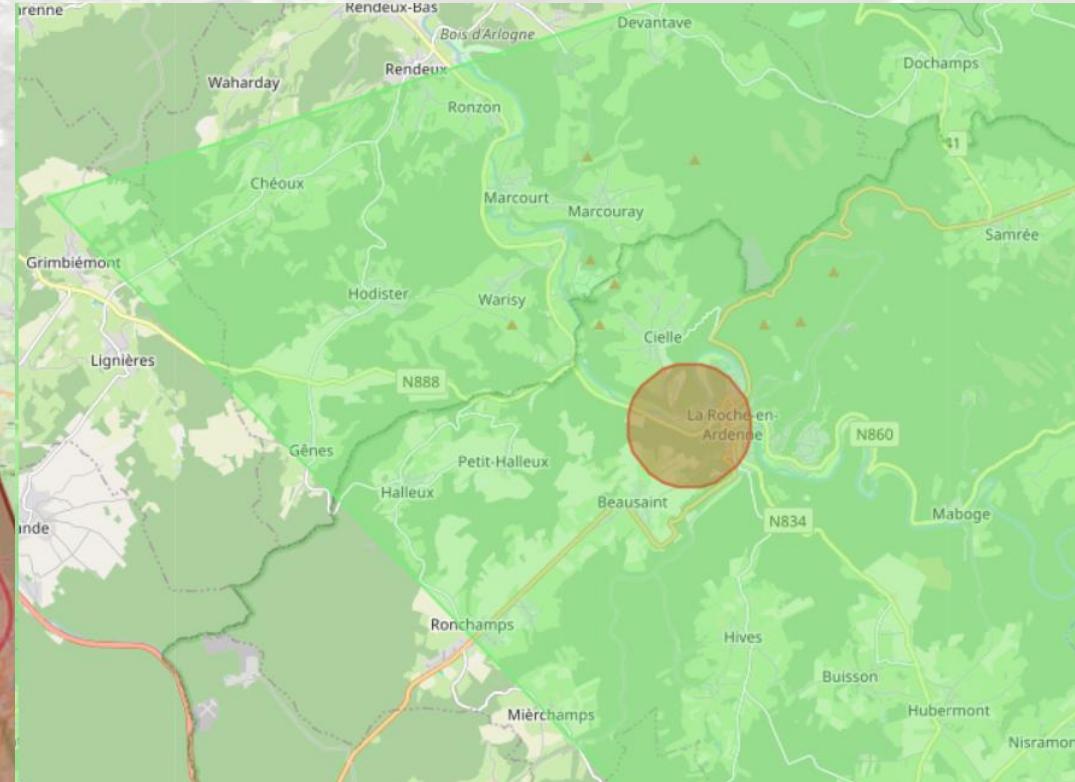
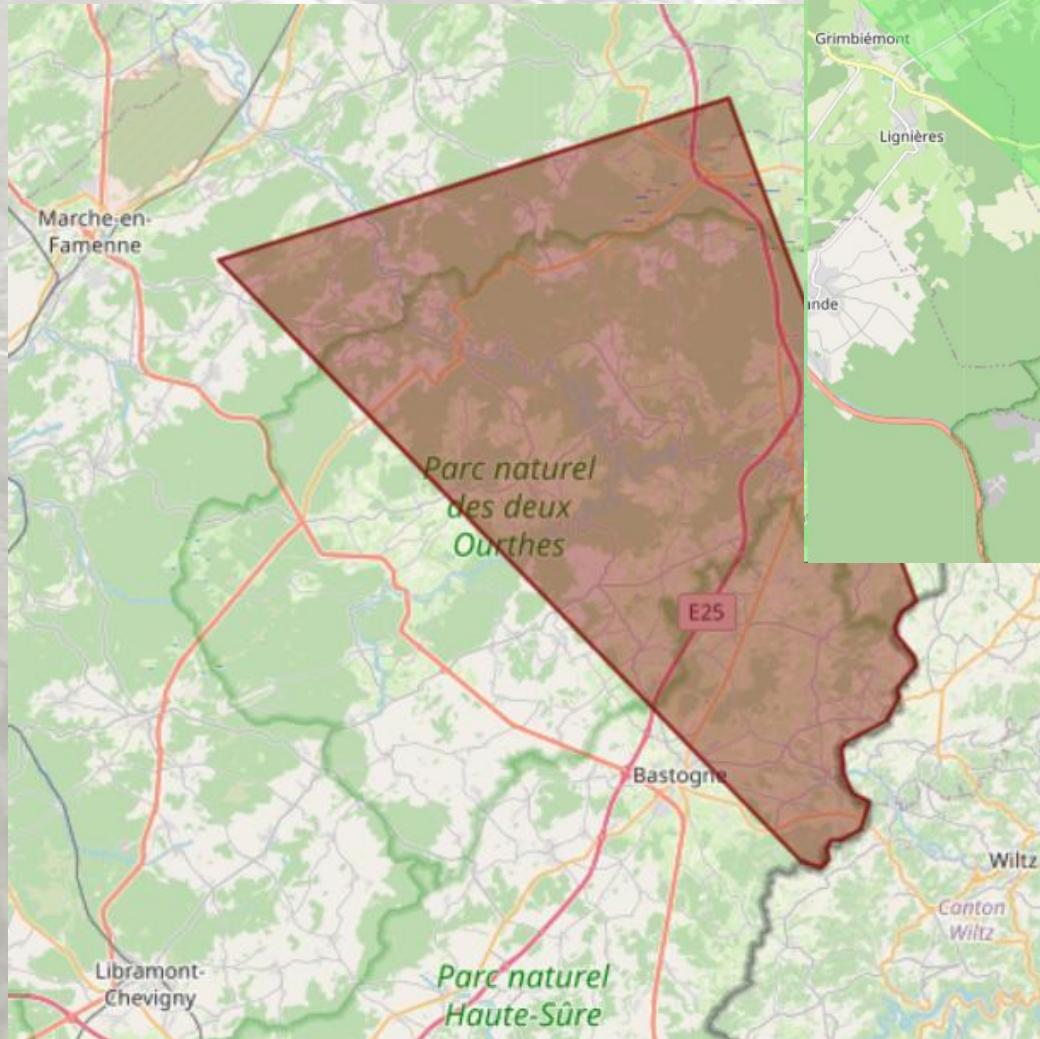
GA – Saint-Hubert

Beauraing & Rochefort take-offs are OUTSIDE!



GA – La-Roche

La roche take-off is inside!



GA – Saint-Hubert & La Roche

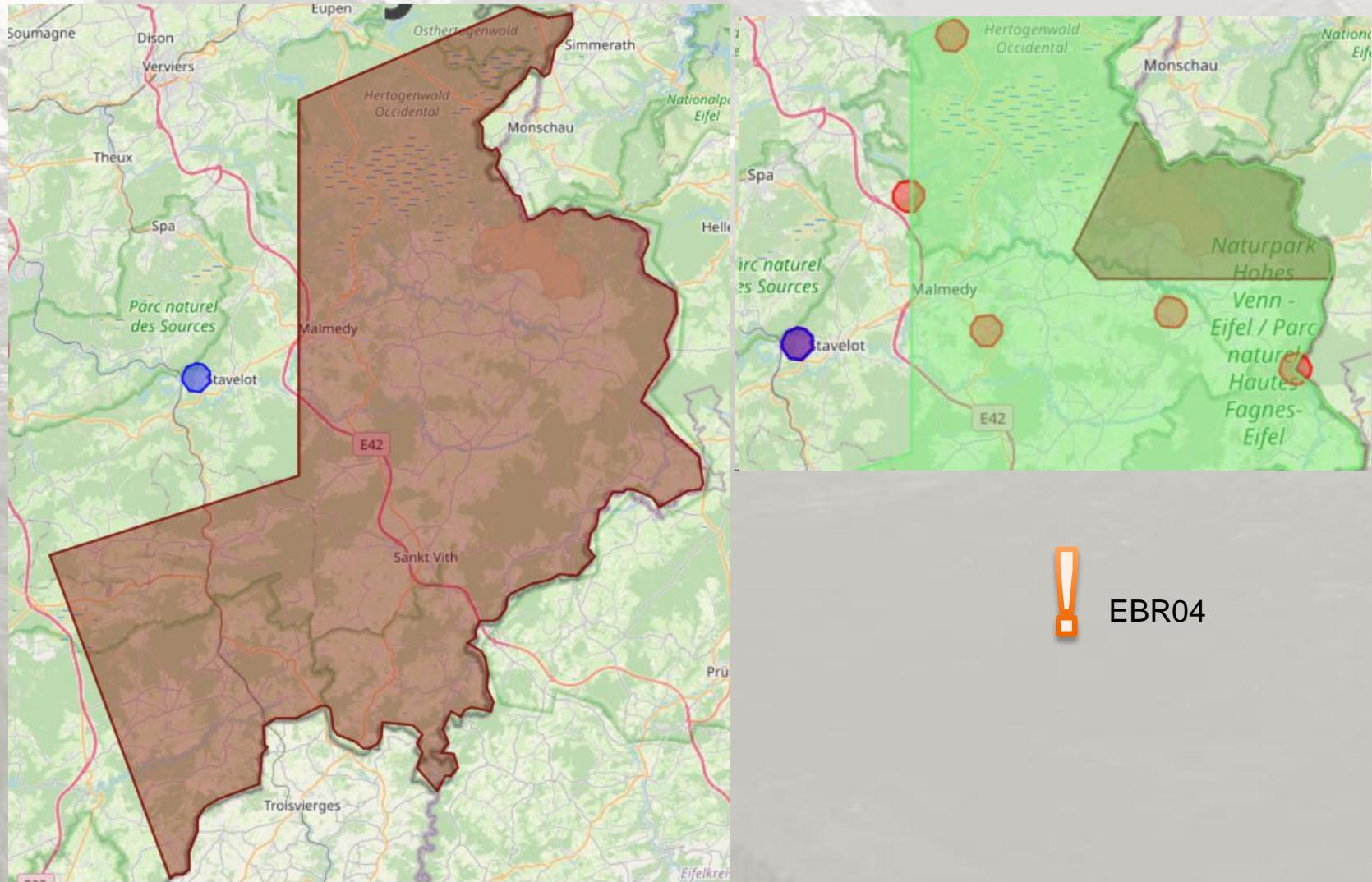
- Transponder no more requested in 2024
- Climb to **FL65 possible**
- Stay on EBSH frequency
- Check EBSH-Tower app notifications and messages
- Mil can de-activate the zone for special needs!
- Special restricted zones keep the priority, probably with the exception of TSA26B and TSA25C

GA – Malmedy

- From 4500ft^{QNH} to **FL65** (included)
- Stay on EBSH frequency
- Check EBSH-Tower app notifications and messages
- Special zones such as EBR04 keep the priority

GA – Malmedy

Coo take-off is OUTSIDE!



GAA commitment!

- While flying across the GAA, the GAA-XC pilot must listen to EBSH radio frequency and have an eye on EBSH-Tower app notifications in case Mil takes the area back. (**it happens!**)
- **EBSH frequency is: 122.180 MHz**
- **Check EBSH-Tower app message confirmation (see below)**
- One pilot **CANNOT** monitor EBSH radio for other pilots !
- You need a special AM monitoring radio (no need to be able to speak)
- Use Livetracking (Flymaster or XCTrack/Xcontest) for all flights

Subjects :

- Specific GAA Knowledge
 - How GAA works
 - Radio and EBSH-Tower app monitoring
 - **GAA commitment**
- EBSH-Tower app
 - How, why, when
 - Messages for confirmation
- Tools for GAA and flights in general
 - Airspace.xcontest.org
 - Friendly Air Tool
 - Skeyes – AIP – Notams
 - BPC Facebook group briefings
 - Livetracking: XCTrack/Xcontest and Flymaster
- XC reminder
 - Altimetry
 - Airspaces
 - LFA Golf

EBSH Tower

Web server for EBSH – Android APP for pilots

Easy LFA-G and GAA activation communication tool

Update Golf Status [Send Message](#) [Golf Status Log](#) [Message Log](#) [Members](#) [Contact](#)

Current Date: 15/05/2021, 11:06:27

Server side

| Name | Status | Add | Transponder Timeslot | Mandatory? | FL | Start Hour | Start Minutes | End Hour | End Minutes |
|---------------|------------|---------------------|-------------------------------------|--------------------------|----|------------|---------------|----------|-------------|
| GA Malmedy | Not Active | Add | <input type="checkbox"/> | <input type="checkbox"/> | 95 | 12 | 0 | 16 | 00 |
| GA La Roche | TMZ Only | Add | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 65 | 17 | 0 | 23 | 0 |
| GA St. Hubert | TMZ Only | Add | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 65 | 11 | 0 | 11 | 50 |
| LFA G1 | Active | Add | <input type="checkbox"/> | <input type="checkbox"/> | 95 | 13 | 0 | 23 | 59 |
| LFA G2 South | Not Active | Add | <input type="checkbox"/> | <input type="checkbox"/> | 55 | 8 | 0 | 23 | 59 |



EBSH Tower

Last Update: Tue May 18 10:17:55 2021

| Gliding Zone | TMZ | FL | Open | Close |
|---------------|-----|----|-------|---------|
| GA Malmedy | ACT | 65 | 11:00 | - 21:29 |
| GA La Roche | TMZ | 65 | 11:00 | - 15:20 |
| GA St. Hubert | ACT | 65 | 17:10 | - 21:29 |
| LFA G1 | TMZ | 65 | 11:00 | - 13:30 |
| LFA G2 South | ACT | 65 | 17:10 | - 21:29 |

Messages

APP side

[Gliding Zones Info](#) [PARABE-XC Live](#) [OGN Live](#) [Settings](#)

EBSH Tower web

Send message to all GAA-XC pilots

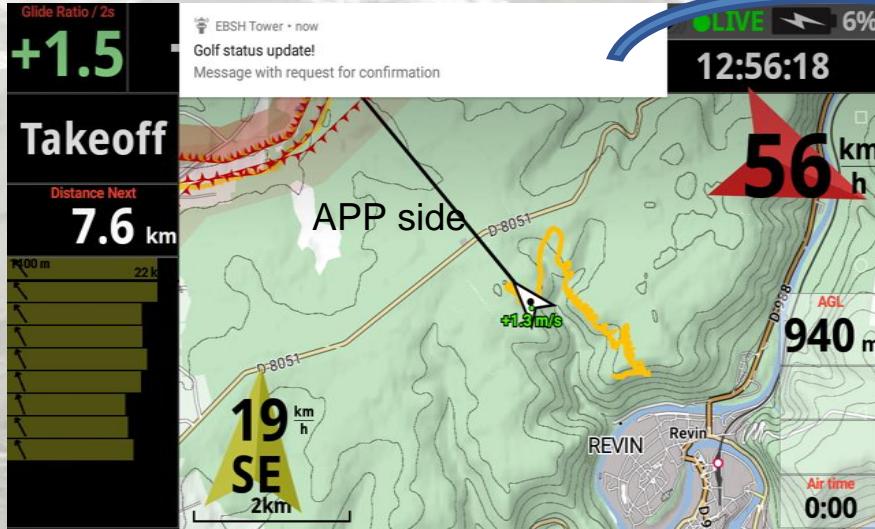
Server side

[Update Golf Status](#)[Send Message](#)[Golf Status Log](#)[Message Log](#)[Members](#)[Contact](#)

Send Message to all pilots with EBSH Tower APP

[Send Message](#) Request Confirmation

EBSH Tower app: notification while flying



EBSH Tower

Last Update: Mon May 10 08:33:56 2021

| Gliding Zone | Active | El | Open | Close |
|---------------|------------|----|-------|-------|
| GA Malmedy | Active | 95 | 11:00 | 21:18 |
| GA La Roche | Active | 95 | 17:40 | 21:18 |
| GA St. Hubert | Active | 95 | 17:40 | 21:18 |
| LFA G1 | Not Active | | | |
| LFA G2 South | Not Active | | | |
| LFA G2 North | Not Active | | | |
| LFA G2 West | Not Active | | | |
| LFA G3 | Not Active | | | |
| LFA G5 West | Not Active | | | |
| LFA G5 East | Not Active | | | |

APP side

Message Sent on 10/05/2021, 08:38:12

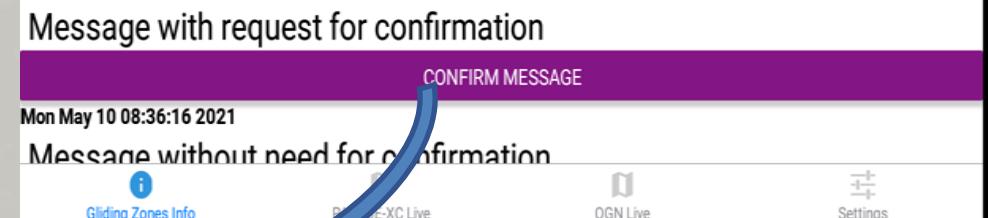
Server side

Message with request for confirmation

Message Reception status:

| Pushtoken | Name | Displayed | Confirmed | Confirmation Location |
|--------------------------|-------------------|-------------------------|-------------------------|---------------------------------|
| [UiEhUJZKAJEGf8OZDbcEQ] | MDebras | No Info | Not Confirmed | |
| [6afNW-F4Q84HEHnnG-BZq] | Pieter Baele | No Info | Not Confirmed | |
| [4IUknGOI-N-hYhPXOFw3-y] | Lode prod | No Info | Not Confirmed | |
| [j4QA0wiMhAobQMq3q9X53] | Bertrand Fontaine | OK 10/05/2021, 08:38:19 | OK 10/05/2021, 08:38:19 | @Alt: 258m,50.4227122,4.9592597 |
| [FCiztPAZVEwAkzrjXug8W] | Q | No Info | Not Confirmed | |
| [TgGdnFeDFN02XQoobZKEE] | New lode | No Info | Not Confirmed | |

Close



EBSH Tower Web

Messages log and stats

Update Golf Status Send Message Golf Status Log [Message Log](#) [Members](#) [Contact](#)

Message Log

| Date | Time | Message | #Sent | #Received | #Confirmed | Stats |
|-------------|----------|---------------------------------------|-------|-----------|------------|----------------------------|
| 10/05/2021, | 08:38:12 | Message with request for confirmation | 6 | 1 | 1 | Show stats |
| 10/05/2021, | 08:36:16 | Message without need for confirmation | 6 | 2 | 0 | Show stats |

Update Golf Status Send Message Golf Status Log [Message Log](#) [Members](#) [Contact](#)

Message Log

| Date | Time | Message | #Sent | #Received | #Confirmed | Stats |
|-------------|----------|--------------------------------------------------------------|-------|-----------|------------|----------------------------|
| 06/05/2021, | 20:19:12 | This is an urgent message with confirmation | 7 | 7 | 5 | Show stats |
| 06/05/2021, | 20:18:55 | Testmessage without confirmation. Should work on 20210506v2. | 7 | 7 | 1 | Show stats |

Message Sent on 10/05/2021, 08:38:12

Message with request for confirmation

Message Reception status:

| Pushtoken | Name | Displayed | Confirmed | Confirmation Location |
|--------------------------|-------------------|-------------------------|-------------------------|---------------------------------|
| [UiEhJLIZKAJEG8QZDbcEQ] | MDebras | No Info | Not Confirmed | |
| [6afNW-F4QB4HEInn8G-BZq] | Pieter Baele | No Info | Not Confirmed | |
| [4lUknG0l-N-hYhPxXFw3-y] | Lode prod | No Info | Not Confirmed | |
| [y4QA0wIMhAobQMq3q9YX53] | Bertrand Fontaine | OK 10/05/2021, 08:38:19 | OK 10/05/2021, 08:38:19 | @Alt: 258m,50.4227122,4.9592597 |
| [FC1ztPAZVEwAkzrjXug8vW] | Q | No Info | Not Confirmed | |
| [TgGdinFeDFN02XQoobZKEE] | New lode | No Info | Not Confirmed | |

[Close](#)

Message Sent on 06/05/2021, 20:19:12

This is an urgent message with confirmation

Message Reception status:

| Pushtoken | Name | Displayed | Confirmed | Confirmation Location |
|--------------------------|-------------------|-------------------------|-------------------------|---------------------------------|
| [TgGdinFeDFN02XQoobZKEE] | New lode | OK 06/05/2021, 20:41:16 | OK 06/05/2021, 21:04:19 | @Alt: 138m,51.2155843,4.42752 |
| [FC1ztPAZVEwAkzrjXug8vW] | Q | OK 06/05/2021, 20:43:18 | OK 06/05/2021, 20:44:14 | @Alt: 286m,50.5011563,5.0050545 |
| [y4QA0wIMhAobQMq3q9YX53] | Bertrand Fontaine | OK 06/05/2021, 22:04:19 | Not Confirmed | |
| [vnZQ35D7uJnkv01W5u19U] | Berfon | OK 06/05/2021, 20:22:50 | OK 06/05/2021, 20:25:03 | @Alt: 248m,50.422722,4.9592525 |
| [6afNW-F4QB4HEInn8G-BZq] | Pieter Baele | OK 06/05/2021, 21:51:16 | Not Confirmed | |
| [UiEhJLIZKAJEG8QZDbcEQ] | MDebras | OK 06/05/2021, 23:11:26 | OK 06/05/2021, 23:12:09 | @Alt: 233m,50.3469916,5.4770337 |
| [4lUknG0l-N-hYhPxXFw3-y] | Lode prod | OK 06/05/2021, 20:19:16 | OK 06/05/2021, 20:19:33 | @Alt: 154m,51.2155852,4.4275253 |

[Close](#)

EBSH Tower APP: features

- Golf status update (**+ notifications (*)**)
- **GAA zones update + notifications (*)**
- **Messages from EBSH (with or without confirmation request) (*)**
- Xcontest Live page
- OGN Live page
- Settings

(*): bold for XC-GAA members only

EBSH Tower APP

Link to install the app:

<https://drive.google.com/file/d/17gcmvKVxskBwJuqNJ8jmMoYvb7sHAV8H/view?usp=sharing>

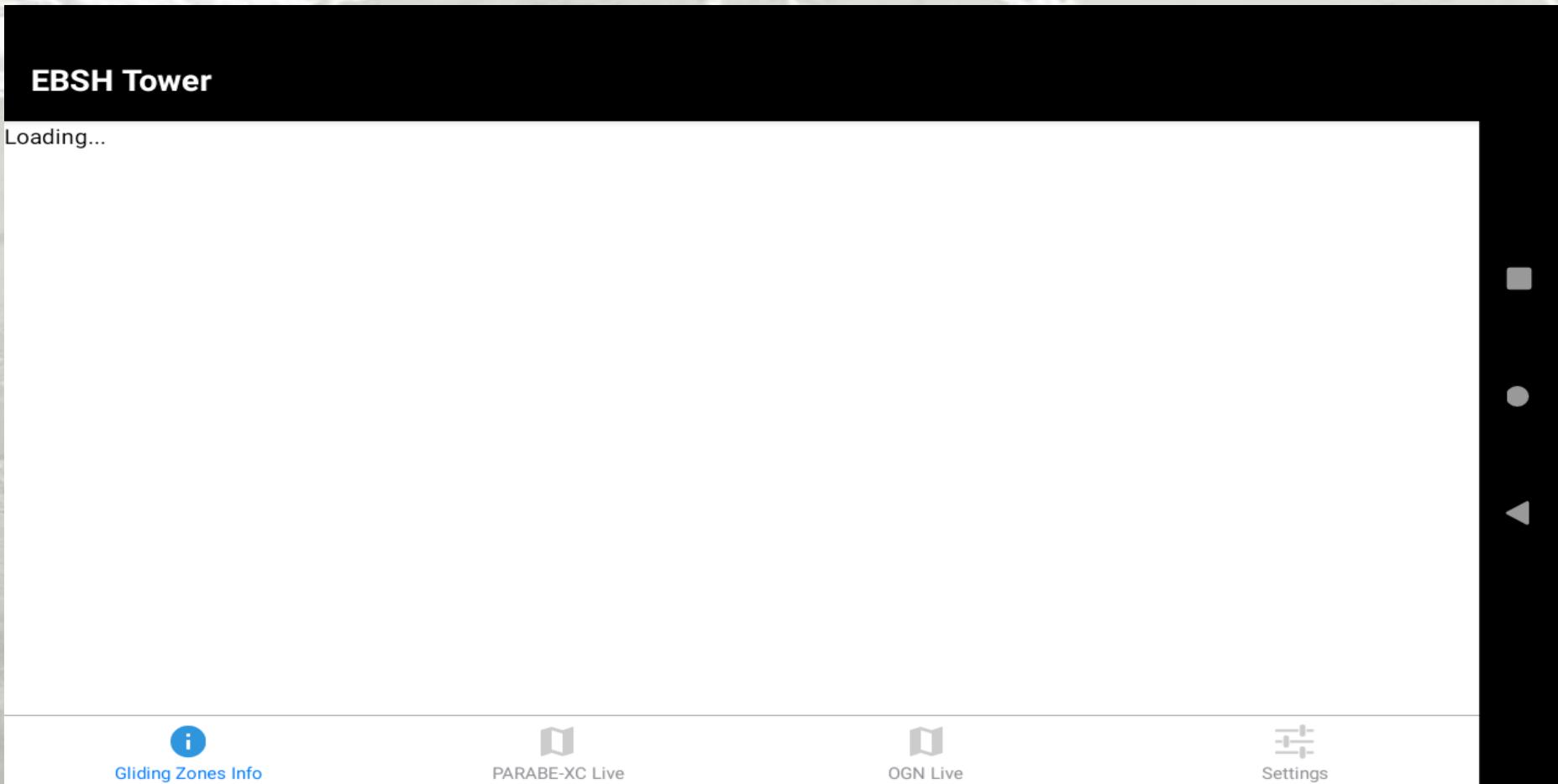
To get updates, close and open the app twice while connected to internet.

GOOGLE SERVICES REQUIRED

ANDROID 8.1 and above



Open the app...



→ Go to settings...

First step: register

Settings & Info

Disclaimer: This app is provided to you for convenience but is provided as is with no guarantee of any sort. The airspace information provided doesn't substitute for the obligation to perform your own pre-flight analysis, using the information provided by the relevant authority.

Version: 20210518v1

App Token: JB1F

This app has access!

Complete your full name below:

Your Name

REGISTER

Receive push messages:

 Gliding Zones Info

 PARABE-XC Live

 OGN Live

 Settings

→ Type your Full name... (Unidentifiable registration will be rejected).

First step: register

Your name has been registered in the system.
Thanks!

Settings & Info

Disclaimer: This app is provided to you for convenience but is provided as is with no guarantee of any sort. The airspace information provided doesn't substitute for the obligation to perform your own pre-flight analysis, using the information provided by the relevant authority.

Version: 20210518v1

App Token: JB1F

This app has access!

Complete your full name below:

Anatole Fontaine

REGISTER

Receive push messages:

 Gliding Zones Info

 PARABE-XC Live

 OGN Live

 Settings

→ Ready to go...

LFA-Golf status information for all!

The screenshot shows a mobile application interface with a dark-themed header and footer. The header contains the title "EBSH Tower" and a message "Last Update: No update available today." Below the header is a table showing gliding zone status. The footer features navigation icons for Gliding Zones Info, PARABE-XC Live, OGN Live, and Settings.

| Gliding Zone | TMZ | FL |
|--------------|-----|---------|
| LFA G1 | ACT | 55 |
| LFA G2 South | ACT | 75 |
| LFA G2 North | | Not Act |
| LFA G2 West | | Not Act |
| LFA G5 West | | Not Act |
| LFA G5 East | | Not Act |

EBSH Tower
Last Update: Tue May 18 21:20:30 2021

| Gliding Zone | TMZ | FL |
|--------------|-----|---------|
| LFA G1 | ACT | 55 |
| LFA G2 South | ACT | 75 |
| LFA G2 North | | Not Act |
| LFA G2 West | | Not Act |
| LFA G5 West | | Not Act |
| LFA G5 East | | Not Act |

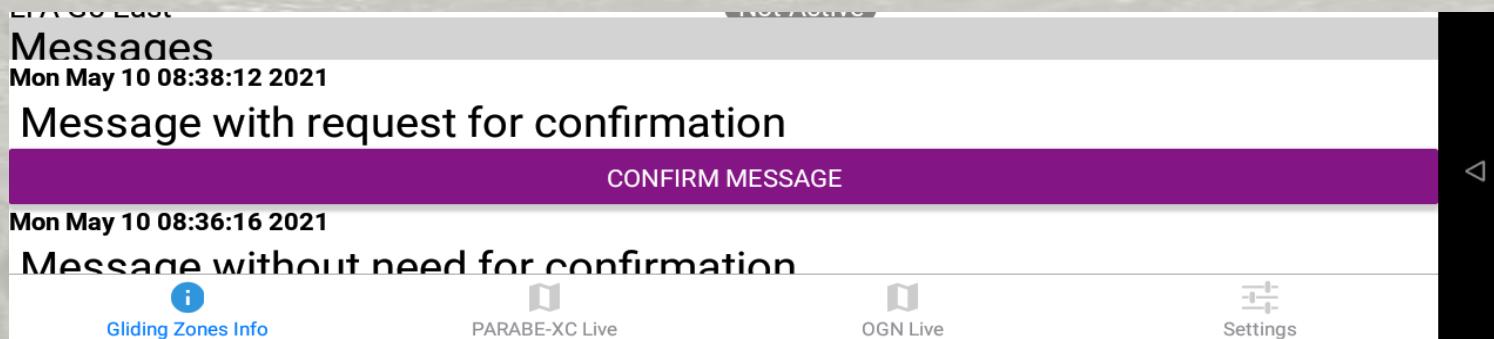
Gliding Zones Info PARABE-XC Live OGN Live Settings

Gliding Zones Info PARABE-XC Live OGN Live Settings

→ Easy to identify when LFA-Golf zones are activated

XC-GAA members access

- Notifications for LFA-G status update (*)
- Display and notifications (*) for GAA zones
- Messages sent by EBSH to all pilots (*)
 - With confirmation
 - Without confirmation



(*) with push messages « ON »

Receive push messages:

LFA-Golf status and GAA zones for XC-GAA members

The image displays two screenshots of the EBSH Tower software interface against a background of a snowy mountain landscape.

Screenshot 1 (Left):

- EBSH Tower**
- Last Update: Tue May 18 10:17:55 2021
- Gliding Zone

| | TMZ | FL | Open | Close |
|---------------|-----|----|-------|---------|
| GA Malmedy | ACT | 65 | 11:00 | - 21:29 |
| GA La Roche | TMZ | 65 | 11:00 | - 15:20 |
| | | 65 | 17:10 | - 21:29 |
| GA St. Hubert | TMZ | 65 | 11:00 | - 13:30 |
| | | 65 | 17:10 | - 21:29 |

- LFA G1
- Not Act
- Messages
- Gliding Zones Info
- PARABE-XC Live
- OGN Live
- Settings

Screenshot 2 (Right):

- EBSH Tower**
- Last Update: Tue May 18 21:20:30 2021
- Gliding Zone

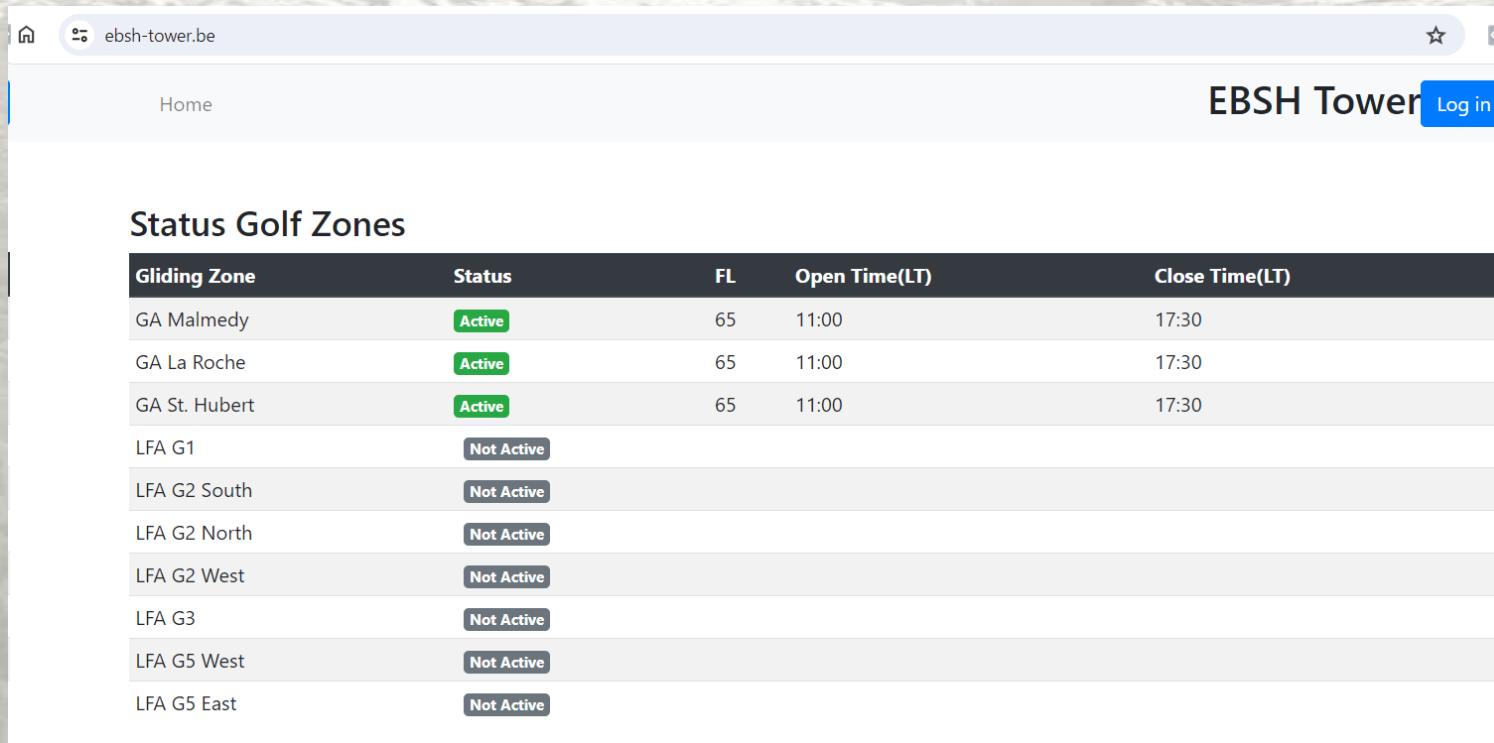
| | TMZ | FL | Open | Close |
|---------------|-----|----|-------|---------|
| GA Malmedy | ACT | 65 | 11:00 | - 21:29 |
| GA La Roche | TMZ | 65 | 11:00 | - 15:20 |
| | ACT | 65 | 17:10 | - 21:29 |
| GA St. Hubert | TMZ | 65 | 11:00 | - 13:30 |
| | ACT | 65 | 17:10 | - 21:29 |
| LFA G1 | ACT | 55 | 08:00 | - 23:59 |
| GA St. Hubert | ACT | 75 | 10:00 | - 22:50 |

- Messages
- Gliding Zones Info
- PARABE-XC Live
- OGN Live
- Settings

→ GAA zones and LFA-G status WHEN EBSH set it up!

www.ebsh.tower.be → IOS

- Status of the zones can be seen with any browser, including on IOS...



The screenshot shows a web browser window with the URL ebsh-tower.be in the address bar. The page title is "EBSH Tower". A "Log in" button is visible in the top right corner. The main content area is titled "Status Golf Zones" and displays a table with the following data:

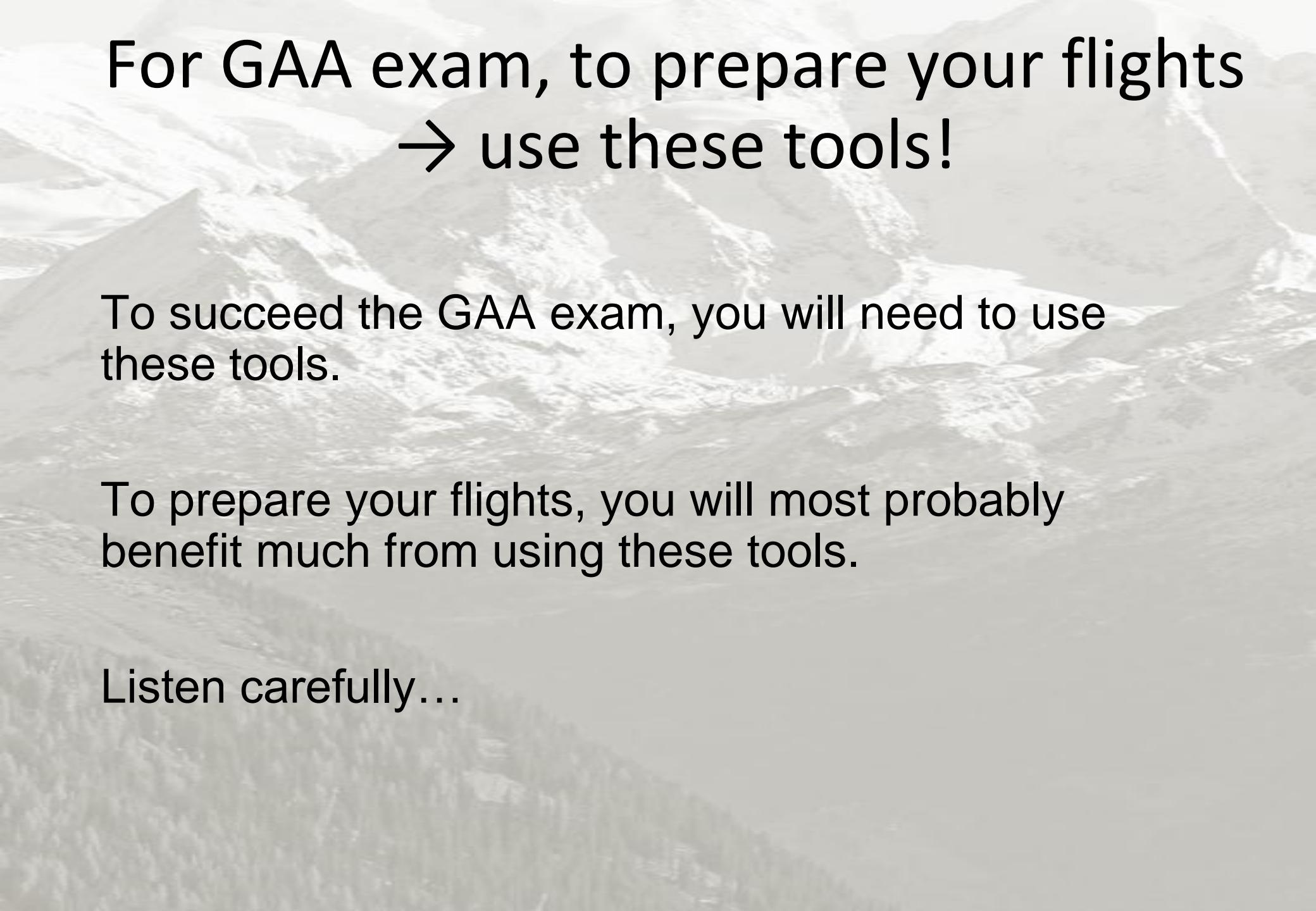
| Gliding Zone | Status | FL | Open Time(LT) | Close Time(LT) |
|---------------|------------|----|---------------|----------------|
| GA Malmédy | Active | 65 | 11:00 | 17:30 |
| GA La Roche | Active | 65 | 11:00 | 17:30 |
| GA St. Hubert | Active | 65 | 11:00 | 17:30 |
| LFA G1 | Not Active | | | |
| LFA G2 South | Not Active | | | |
| LFA G2 North | Not Active | | | |
| LFA G2 West | Not Active | | | |
| LFA G3 | Not Active | | | |
| LFA G5 West | Not Active | | | |
| LFA G5 East | Not Active | | | |

Subjects :

- Specific GAA Knowledge
 - How GAA works
 - Radio and EBSH-Tower app monitoring
 - **GAA commitment**
- EBSH-Tower app
 - How, why, when
 - Messages for confirmation

- Tools for GAA and flights in general
 - Airspace.xcontest.org
 - Friendly Air Tool
 - Skeyes – AIP – Notams
 - BPC Facebook group briefings
 - Livetracking: XCTrack/Xcontest and Flymaster

- XC reminder
 - Altimetry
 - Airspaces
 - LFA Golf



For GAA exam, to prepare your flights
→ use these tools!

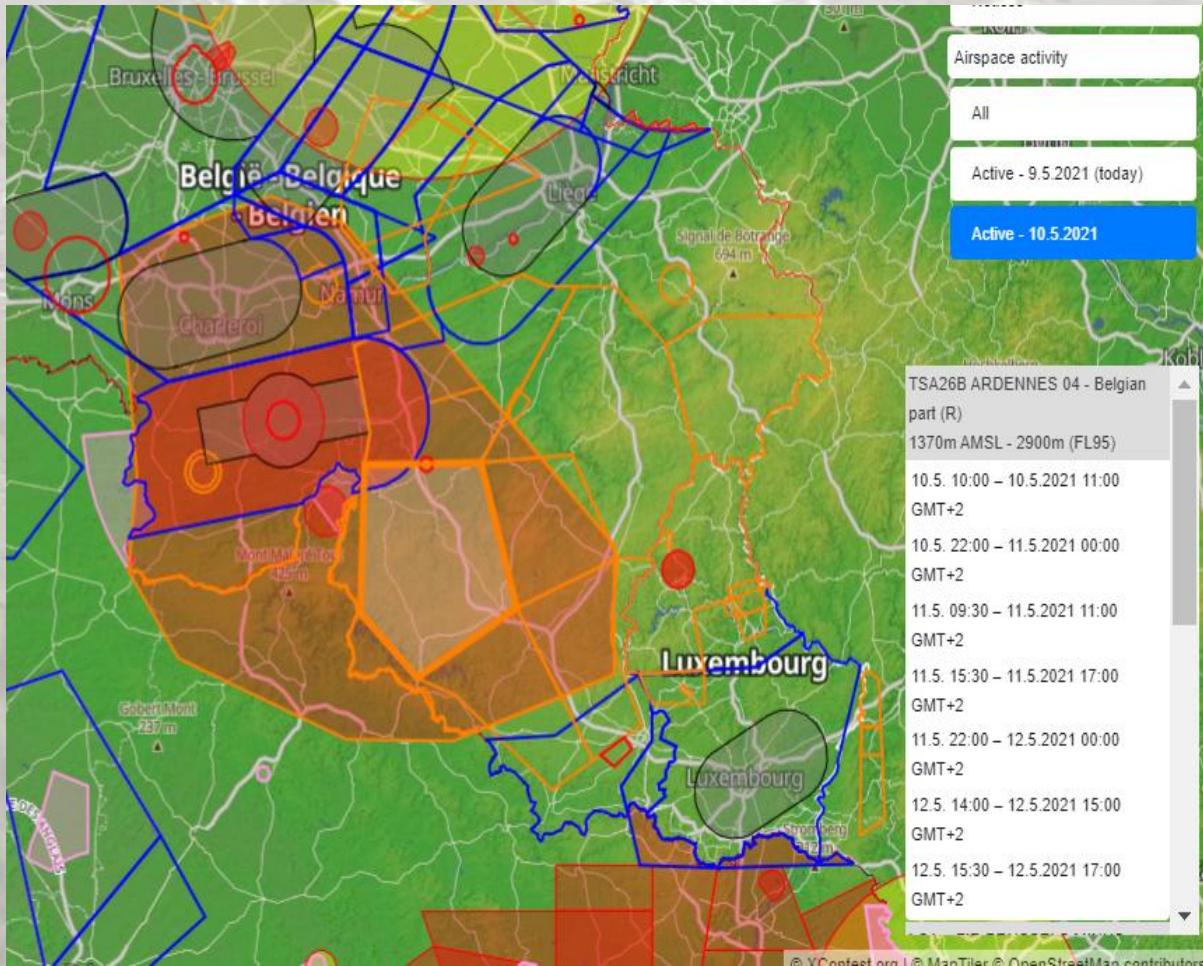
To succeed the GAA exam, you will need to use these tools.

To prepare your flights, you will most probably benefit much from using these tools.

Listen carefully...

Airspace.xcontest.org

Airspace according to AIP & notams



- Airspace in real time!
- Source for Friendly Air Tool & XCTrack
- Easy reading of airspaces schedule

Airspace.xcontest.org speaks rather fluently Notam

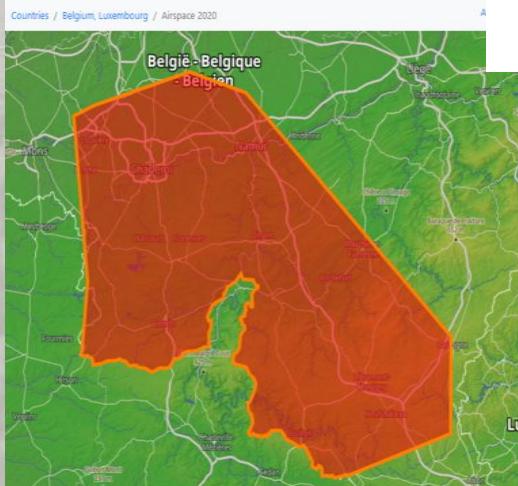
TSA26B 10.5. 10:00 -
12.5.2021 17:00
GMT+2

10 0800-0900 2000-2200 | 11 0730-0900 1330-1500 2000-2200 | 12 1200-1300 1330-1500

M2519/21

M2519/21

M2519/21 NOTAMN
Q) EBBU/QRACA/IV/NBO/W /045/095/5010N00455E039
A) EBBU
B) 2105100800
C) 2105121500
D) 10 0800-0900 2000-2200, 11 0730-0900 1330-1500 2000-2200, 12 1200-1300 1330-1500
E) EBTS26B ARDENNES 04 ACT. TSA26B IS PERMEABLE DURING ITS ACT FOR TRAFFIC IN AND OUT OF EBFS AND FOR ACFT IN EMERGENCY.
F) 4500FT AMSL
G) FL095



Upper limit: FL 9500
Lower limit: AMSL 4500
 Free flying Powered flying
Airspace type: Restricted Glider area Warning only Obstacle Alert
Line color: Solid rgb(255,128,0)
Fill color: Default
Expert email:
AUP link name: TSA26B
Activation times:
Foreign airspace ISO:
Description:



Airspace "TSA26B ARDENNES 04 - Belgian part" activations

| Start time | End time |
|-------------|-----------------------|
| 10.5. 10:00 | 10.5.2021 11:00 GMT+2 |
| 10.5. 22:00 | 11.5.2021 00:00 GMT+2 |
| 11.5. 09:30 | 11.5.2021 11:00 GMT+2 |
| 11.5. 15:30 | 11.5.2021 17:00 GMT+2 |
| 11.5. 22:00 | 12.5.2021 00:00 GMT+2 |
| 12.5. 14:00 | 12.5.2021 15:00 GMT+2 |
| 12.5. 15:30 | 12.5.2021 17:00 GMT+2 |

Airspace.xcontest.org

Week-end – LFA-G parsing

Liga van Vlaamse Zweefvliegclubs

Wat is zweefvliegen? Secretariaat DTO Wedstrijden Ligablad Luchtruim Techniek

LFA Golf Status

Status on Sunday 09 May 2021

The lowest QNH today is: 999hPa

Low Flying Area G1 is ACTIVE up to FL55 excluded (=1396 meter AMSL) from 1 local time.

Low Flying Area G2 North is ACTIVE up to FL75 excluded (=2006 meter AMSL) from 1200 local time.

Low Flying Area G2 West is ACTIVE up to FL75 excluded (=2006 meter AMSL) from 1200 local time.

Low Flying Area G2 South is ACT!

Low Flying Area G5W is NOT ACT

Low Flying Area G5E is NOT ACT!

Countries / Belgium, Luxembourg / AUPs

Automatic Overrides Operations Validity Processed NOTAMs

| AUP link | Validity | Time spec | Deactivate | Source |
|--------------|-------------------------------------|-----------|------------|-------------------|
| E88R-CTA-S3 | 9.5.12:00 - 9.5.2021 21:19 GMT+2 | | ✓ | 2021-05-09-LFAG2S |
| E88R-LCA-A-C | 8.5.01:00 - 8.5.2021 21:18 GMT+2 | | | 2021-05-08-LFAG1 |
| E88R-LCA-A-C | 9.5.01:00 - 9.5.2021 21:19 GMT+2 | | | 2021-05-09-LFAG1 |
| E88R-LCA-A-E | 8.5.01:00 - 8.5.2021 21:18 GMT+2 | | | 2021-05-08-LFAG1 |
| E88R-LCA-A-E | 9.5.01:00 - 9.5.2021 21:19 GMT+2 | | | 2021-05-09-LFAG1 |

Free flying
Powered flying
Notices
Airspace activity
All
Active - 9.5.2021 (today)
Active - 10.5.2021

E88R-LCA-D (C)
2900m (FL95) - 5840m (FL195)
9.5.01:00 - 9.5.2021 21:19 GMT+2

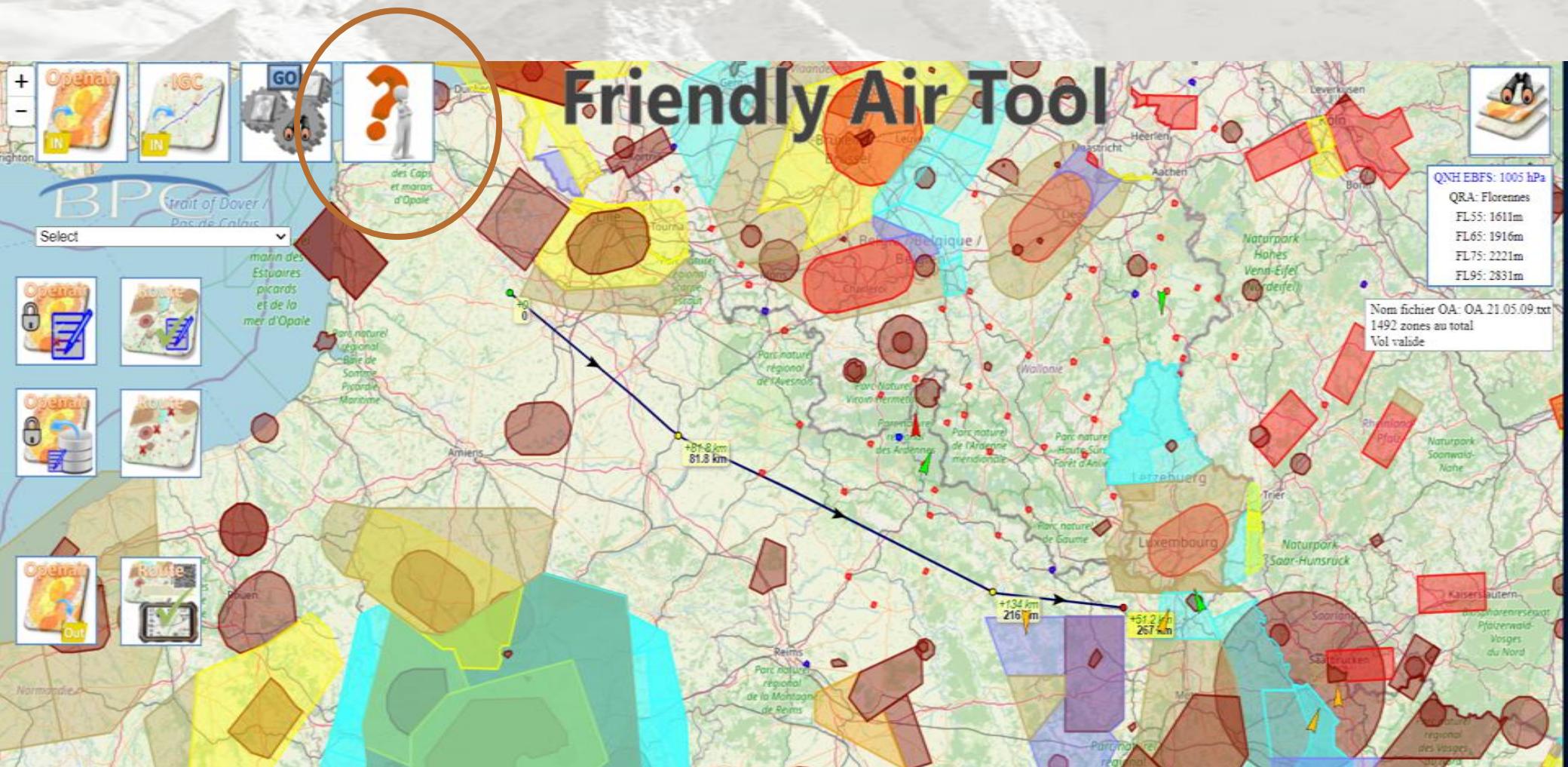
E88R-LCA-C-G5-W (C)
2290m (FL75) - 2900m (FL95)
9.5.01:00 - 9.5.2021 21:19 GMT+2

E88R-LCA-B-G2-S (C)
1680m (FL55) - 2290m (FL75)
9.5.01:00 - 9.5.2021 12:00 GMT+2

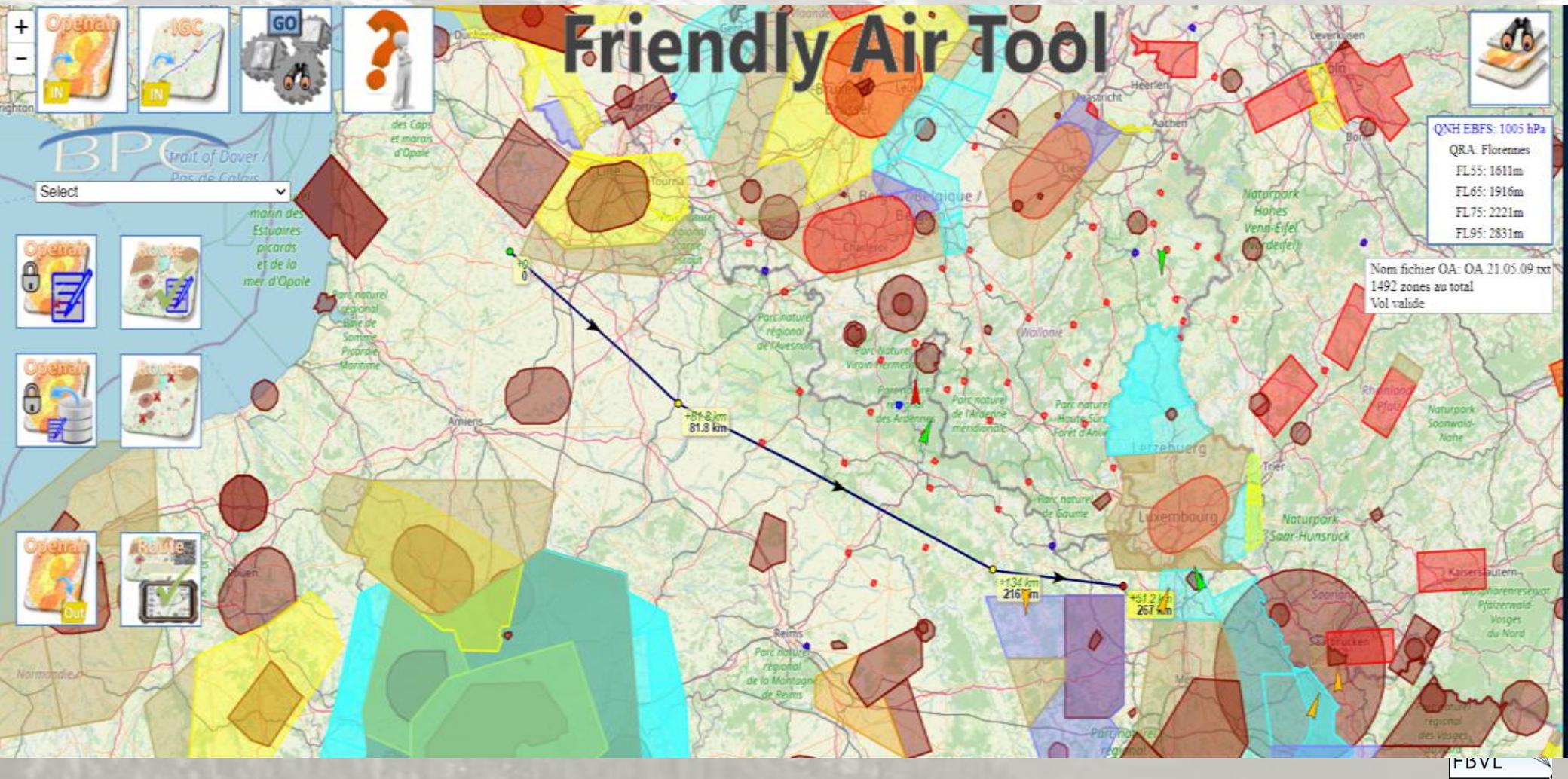
Warning

- Automatic Notam parsing may always contain errors. If you find an error, please contact Bertrand (bertrand@lesfontaines.be) to get it resolved.
- GAA zones are available only for specific pilots. GAA zones are not displayed. If displayed, they will probably be considered as “restricted”.

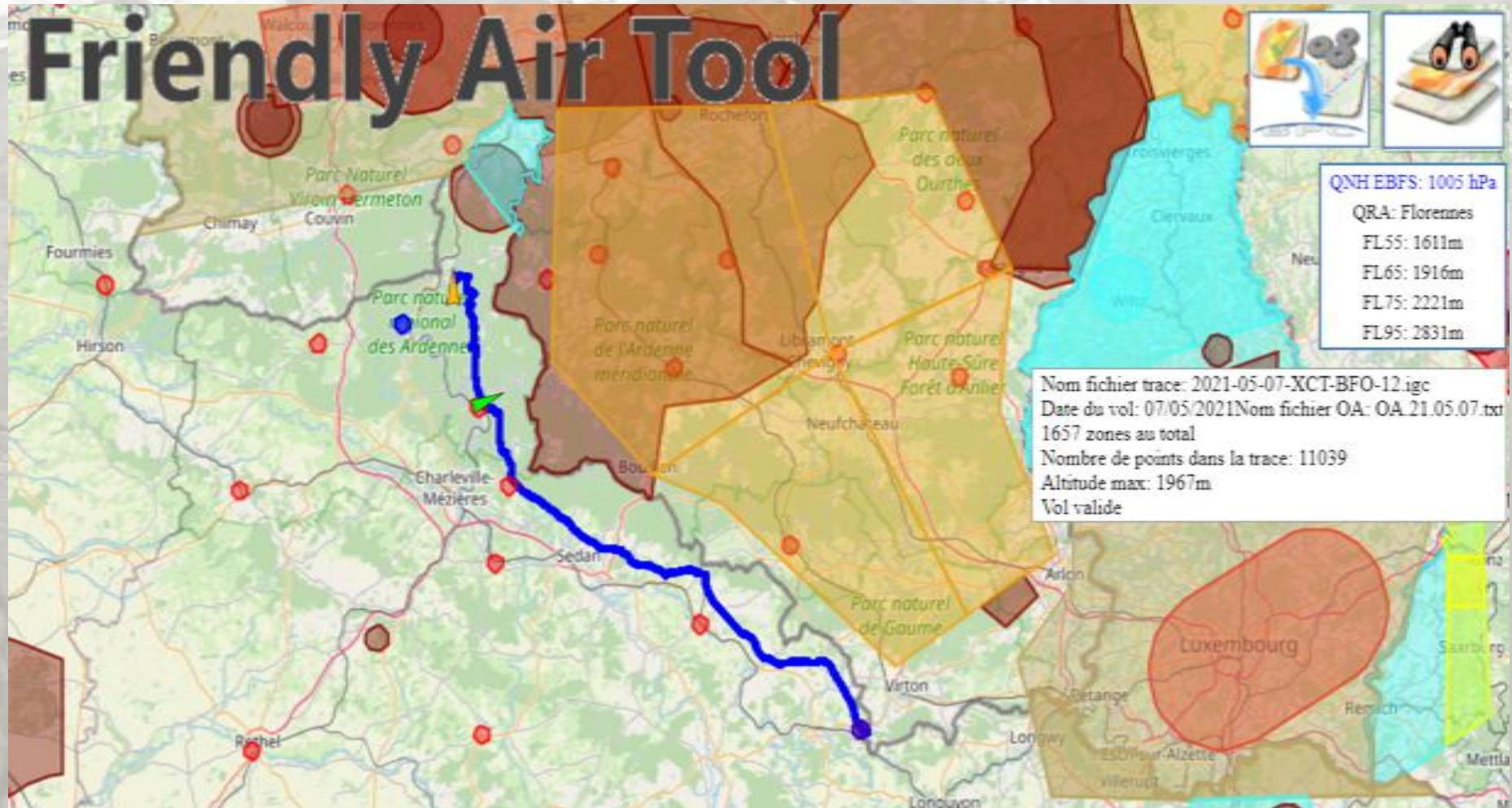
The « FAT » tool : how to use it?



The « FAT » tool : prepare the flight



The « FAT » tool : check the flight



The « FAT » tool : main buttons to use for GAA exam !



6

- 1: select airspace file from the list (or open an Openair file (« IN »))
- 2: « Go » to display the airspace
- 3: select the tranches you want to display (only below 4500 ft by default)
- 4: check EBFS QNH for FL conversion
- 5: Use the « Route » tool to calculate the distance between 2 points.
- 6: Deactivate/activate a given zone for multi-layers zones

Skeyes: AIP, SUP – AIP, Notams

BELGIUM & LUXEMBOURG
Aeronautical Information
Publication
See cover page for details.

PDF Help Feedback

AIP | AMDT | SUPs | AICS | Search

Effective 15 JUL 2021

Part 1 GENERAL (GEN)
• GEN 0 INTRODUCTION
• GEN 1 NATIONAL REGULATIONS AND REQUIREMENTS
• GEN 2 TABLES AND CODES
• GEN 3 SERVICES
• GEN 4 CHARGES FOR AERODROMES/HELIPORTS

Part 2 EN.ROUTE (ENR)
• ENR 0 INTRODUCTION
• ENR 1 GENERAL RULES AND PROCEDURES
• ENR 2 AIR TRAFFIC SERVICES AIRSPACE
• ENR 3 ATS ROUTES
• ENR 4 RADAR NAVIGATION AIDS / SYSTEMS
• ENR 5 NAVIGATION WARNINGS
• ENR 6 EN-ROUTE CHARTS

Part 3 AERODROME (AD)
• AD 0 INTRODUCTION
• AD 1 AERODROMES/HELIPORTS - INTRODUCTION
• AD 2 PUBLIC AERODROMES
• AD 2 MILITARY AERODROMES
• AD 2 PRIVATE AERODROMES
• AD 2 ULM AERODROMES
• AD 2 PERSONAL AERODROMES
• AD 3 HOSPITAL HELIPORTS
• AD 3 PRIVATE HELIPORTS
• AD 3 PERSONAL HELIPORTS

eAIP

BELGIUM & LUXEMBOURG



Consult NOTAM for latest information

Information on this eAIP Package

AMDT 007/2021

Effective date: 15 JUL 2021
Publication date: 01 JUL 2021

PIB Daily Warnings Sunrise/Sunset ATIS/VOLMET Obstacles NOTAM Summary

The Daily Warnings only contain NOTAM on navigational warnings and can never be used as single source for pre-flight briefing. Information on subjects such as activation of ATS airspace or aerodromes is not included. In order to receive full pre-flight information, an appropriate PIB must be made for each flight using the PIB tools provided.

5/8/2021 6/8/2021

Daily warnings PIB text Daily warnings PIB text

Daily warnings chart (PDF) Interactive daily warnings chart

AIP Supplement Belgium and Luxembourg



AIMBelgium

SUP
007/2024

Effective from
15 MAR 2024
to 15 OCT 2024
Published on
08 FEB 2024

GLIDER AREAS ARDENNES 2024

Get used to find info!
TIP: Google search:
« Skeyes + keywords »



Example: « Skeyes Florennes TMA » to find Florennes TMA details in AIP

BPC Facebook Group: communication channel to share info about airspace

Marc Delongie · Admin · 7 mai, 10:36 ·

Briefing for today 7 May: sorry, a bit late...

A little reminder: as a rule of thumb, stay below 4500FT (1371m) AMSL during weekdays.

- TSA 26A and TSA 26B active today. (is above 4500ft but this usually says that there is military activity - see bullet point below)
- And with the above, EBD 26 activated in the same window. (this is a danger zone and we are allowed to fly in, but it is possible that you come across an F16)
- EBR04 Elsenborn active for the rest of the week (and we automatically activate the adjacent EDR117 zone in Germany) (this is a zone where it is forbidden to fly in)

Validated airspace files can be found:

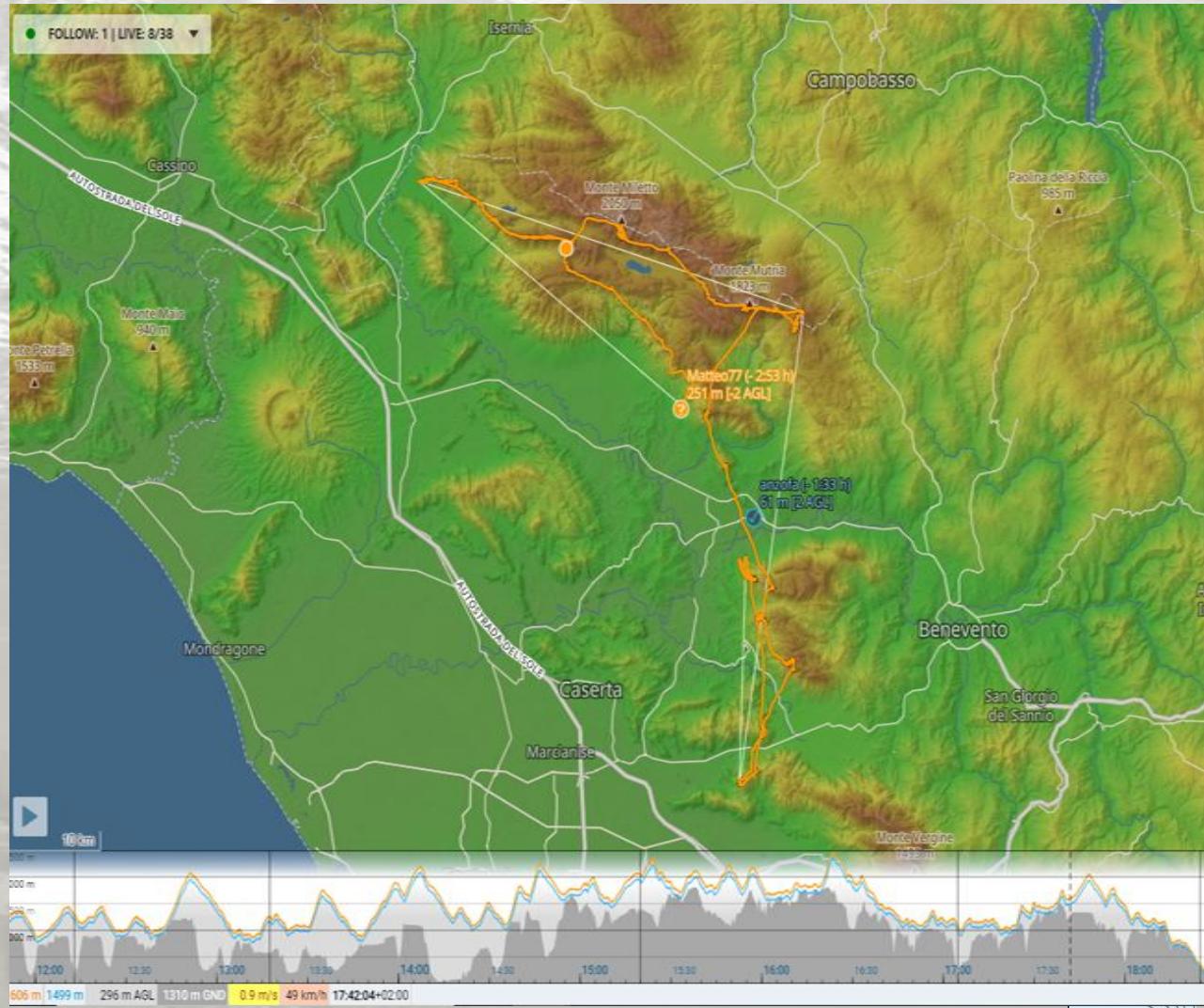
- *in the FAT tool*
- *on the FAT Google drive*
- *on airspace.xcontest.org*
- *in the XCTrack application (airspace visible with activation windows)*

Visualize the airspace and prepare your flight on the same FAT tool.

Join the Facebook BPC group if you are not yet a member
Useful info!

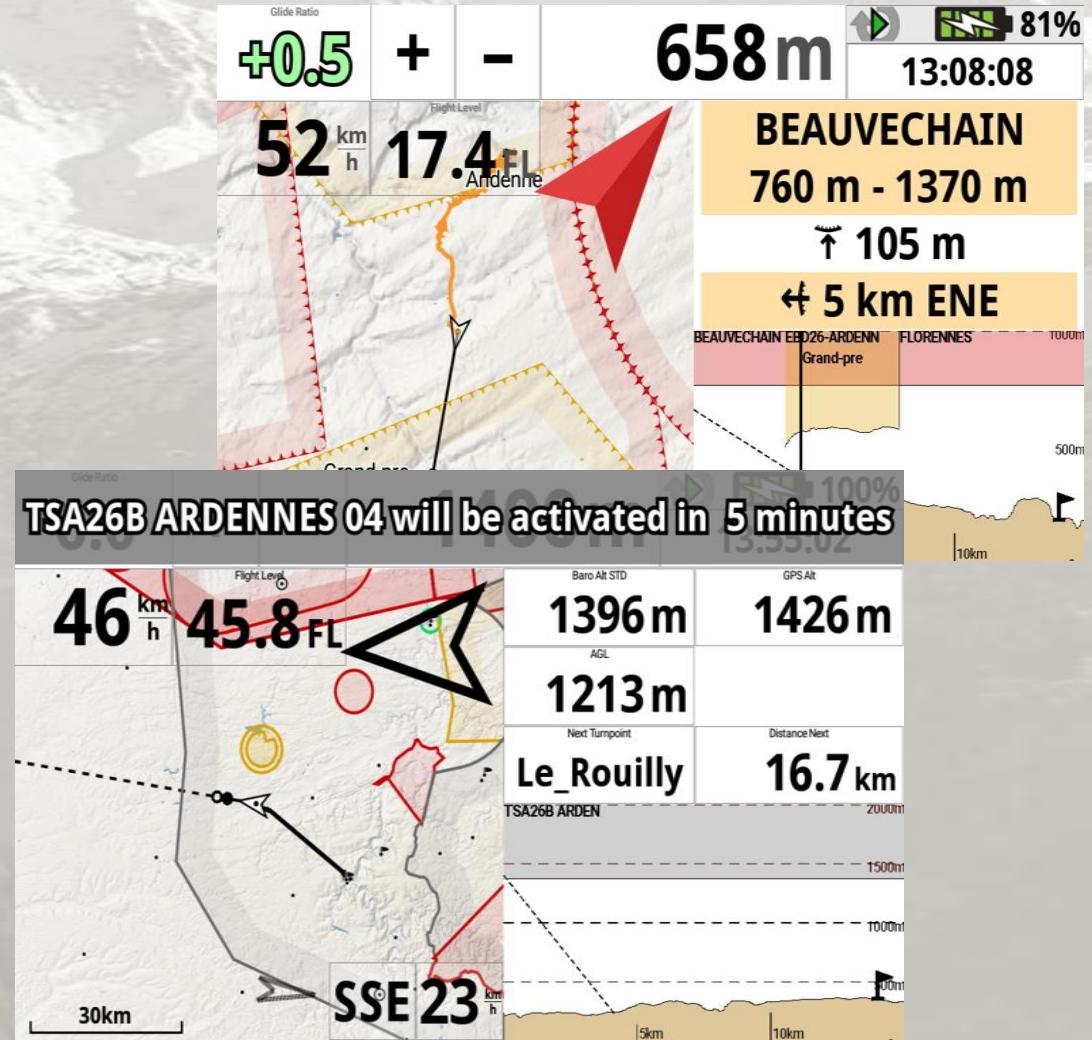
Livetracking: XCTrack/Xcontest - Flymaster

- *XCTrack = Free Android App with Livetracking*
- *Anyone can be seen WW*
- *Lead by example*
- *More security*
- *Strong incentive to follow the rules*
- *Allows EBSH tower to monitor (para)gliders in GAA zones*



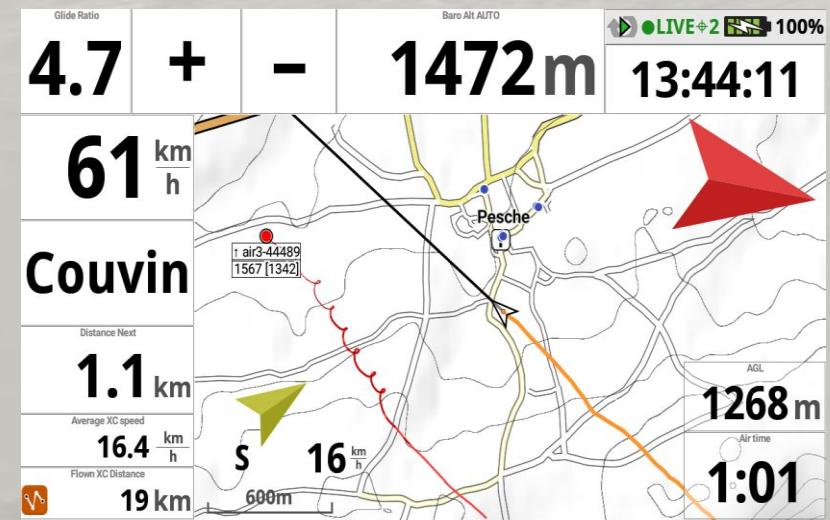
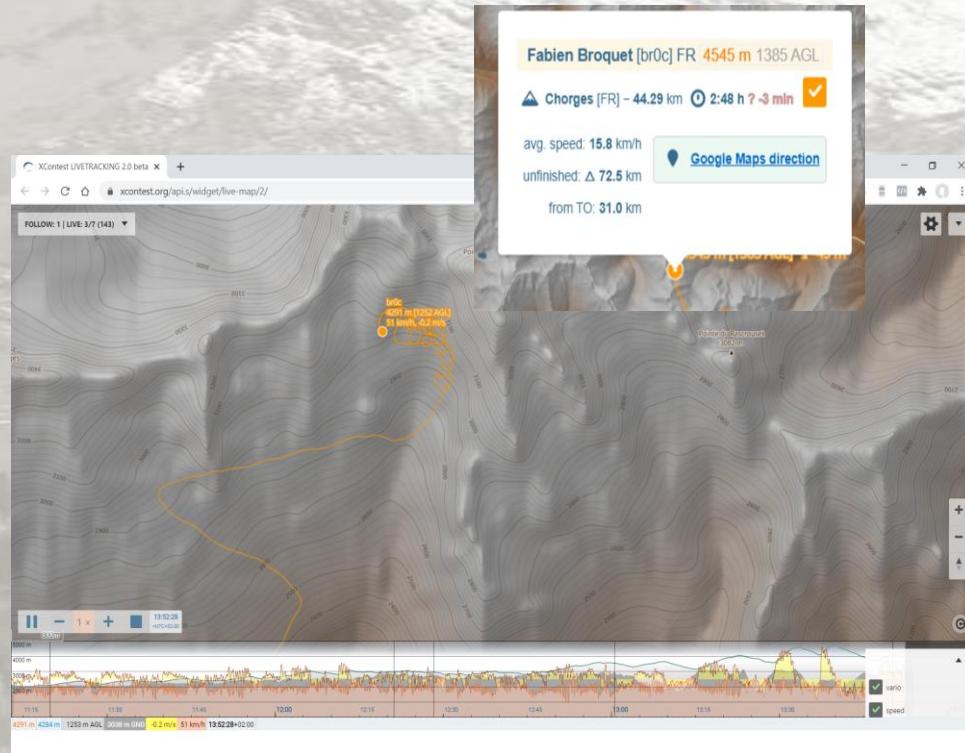
XCTrack (Pro): Flight instrument with advanced Airspace features

- *XCTrack = Free Android App with *advanced airspace features**
- *Direct data from airspace.xcontest.org*
- *2D and **vertical** views*
- *Airspace Proximity widget*
- **Activation windows**
- *Automatic update, even during the flight*



XCTrack (Pro): Livetracking

Livetracking on Live.xcontest.org and on other XCTrack Live devices



Livetracking & GAA

- Flymaster and/or XCTrack/Xcontest: 2 main platforms
- Already using Livetracking to get GAA-XC certificate.

Why?

- > Pilots using Livetracking are pilots that are following the rules (the opposite is not true /!\))
- Use Livetracking for GAA flights and for the other flights
- This is a GAA Charter commitment

Subjects :

- Specific GAA Knowledge
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- XC reminder
 - Altimetry
 - Airspaces
 - LFA Golf

XC Reminder – Altimetry: 3 different altitudes



- **QNH** : Barometric altitude based on the MSL pressure (hPa) in a specific place. Right altitude if correctly set.
- **FL (QNE)**: Barometric altitude provided by the pressure altitude based on 1013,25 hPa. Unless the QNH is 1013.25 hPa, this Standard altitude is not the same as the altitude based on QNH
 - Air to Air separation
- **GPS** : Satellite-based altitude with 3D error quite high depending on the devices and places

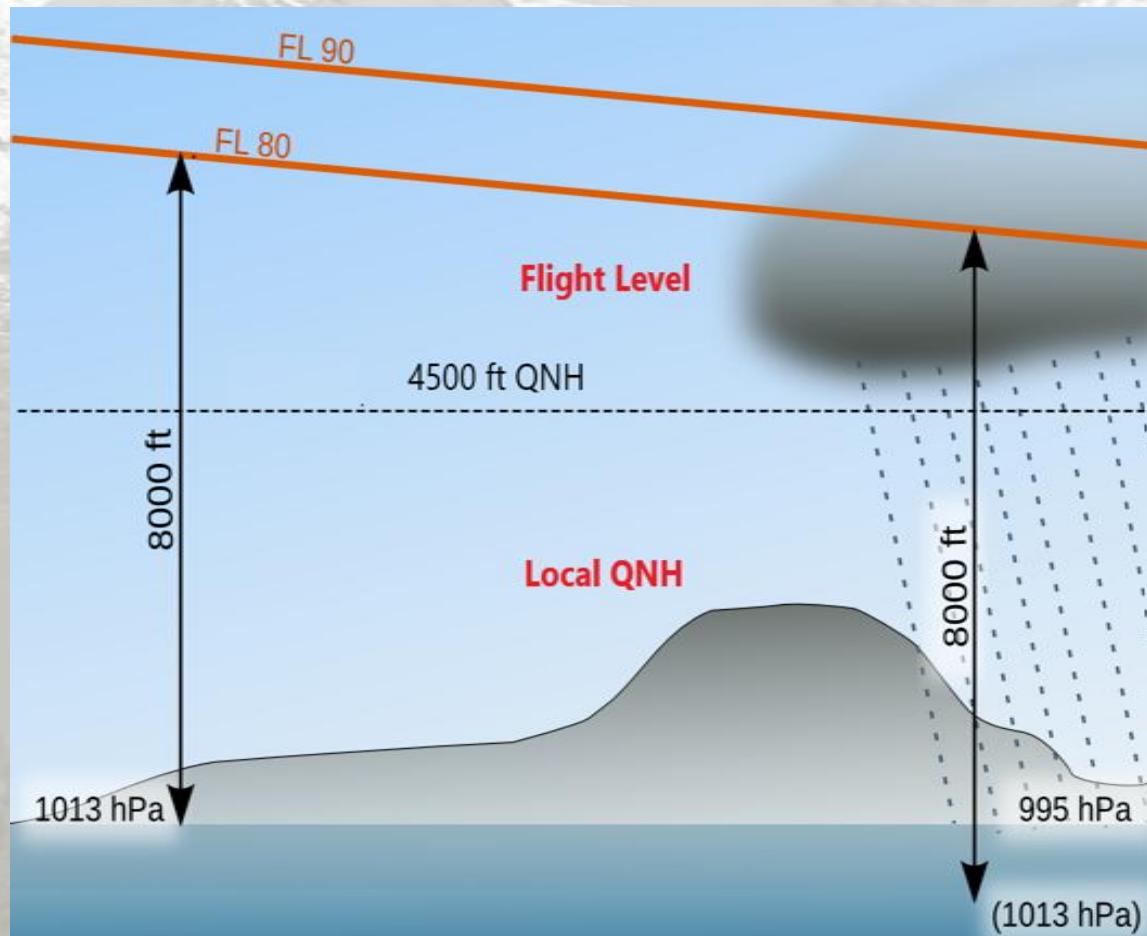
XC Reminder – Altimetry

- **Local QNH :**

Is the one used for the entire country in non-controlled airspace.

It can change at any moment.

- In Belgium we switch from QNH to FL above 4500ft AMSL (± 1372 m)



XC Reminder – Airspace

- The sky is classified from **Alpha** to **Golf zones**, alpha being the most restrictive and Golf the less.

| Class | Type of flight | Separation provided | Service provided | Speed limitation? | Radio communication capability requirement | Continuous two-way-air-ground voice communication required | Subject to ATC CLR |
|-------|----------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------|------------------------------------------------------------|--------------------|
| A | IFR only | all ACFT | ATC service | not applicable | yes | yes | yes |
| B | IFR | all ACFT | ATC service | not applicable | yes | yes | yes |
| VFR | | all ACFT | ATC service | not applicable | yes | yes | yes |
| IFR | IFR from IFR | | | | | | |
| IFR | IFR from VFR | | ATC service | not applicable | yes | yes | yes |
| C | VFR | VFR from IFR, | (1) ATC service for separation from IFR; (2) ATC service VFR/VFR traffic information (and traffic avoidance advice on request) | 250 KIAS below FL 100 | yes | yes | yes |
| D | IFR | IFR from IFR | ATC service includes traffic information about VFR flights (and traffic avoidance advice on request) and VFR from IFR and VFR from VFR traffic information (and traffic avoidance advice on request) | 250 KIAS below FL 100 | yes | yes | yes |
| VFR | NIL | | | 250 KIAS below FL 100 | yes | yes | yes |
| E | IFR | IFR from IFR as far as practical | ATC service, as far as practical, traffic information about VFR flights | 250 KIAS below FL 100 | yes | yes | yes |
| VFR | NIL | | traffic information as far as practical | 250 KIAS below FL 100 | no ¹⁾ | no ¹⁾ | no |
| F | IFR | IFR from IFR as far as practical | air traffic advisory service, FIS if requested | 250 KIAS below FL 100 | yes ¹⁾ | no ¹⁾ | no |
| VFR | NIL | | FIS if requested | 250 KIAS below FL 100 | no ¹⁾ | no ¹⁾ | no |
| G | IFR | NIL | FIS if requested | 250 KIAS below FL 100 | yes ¹⁾ | no ¹⁾ | no |
| VFR | NIL | | FIS if requested | 250 KIAS below FL 100 | no ¹⁾ | no ¹⁾ | no |

- In Belgium** : non-controlled airspace is **G**, most of CTR are **D** and CTA (TMA, AWY, LTA, ...) are **C**.

XC Reminder – Airspace

- *Particular Segments :*
 - **TRA:** Temporary Reserved Area
Reserved zone for special uses (most of the time forbidden for paragliders)
 - **TSA:** Temporary Segregated Area
Divided zone for special uses or civilian/military optimization
(most of the time forbidden for paragliders)
 - **LFA:** Low Flying Area
Low altitude training area or extended non-controlled airspace (**LFA-G**)
 - **HTA:** Helicopter Training Area
Low altitude helicopter training area

XC Reminder – Airspace

- *Special Zones :*

- **D:** Danger

Zone with potential dangers for crossing aircraft (keep sharp lookout!)

- **R:** Restricted

Zone with conditional access (most of the time forbidden for paragliders)

- **P:** Prohibited

Forbidden access zone!

- **TMZ:** Transponder Mandatory Zone (forbidden for paragliders)
- **RMZ:** Radio Mandatory Zone (forbidden for paragliders)
- **ATZ:** Airfield Traffic Zone (forbidden* for paragliders)

* See AIP for each zones

XC Reminder – Airspace : LFA Golf

- Those are extended golf class airspace allocated by Skeyes to the glider community above 4500 ft^{AMSL} when Mil is not active
- Higher limit is « FL excluded ». This means we are not supposed to fly at that Flight Level.
 - **G1:** 4500ft^{QNH} – FL55 Excl. When MIL is not active
 - **G2:** FL55 – FL 75 Excl. When Gliders are requesting it
 - **G3:** FL55 – FL65 Excl.
 - **G5:** FL75 – FL90 Excl.

XC Reminder – FL conversion

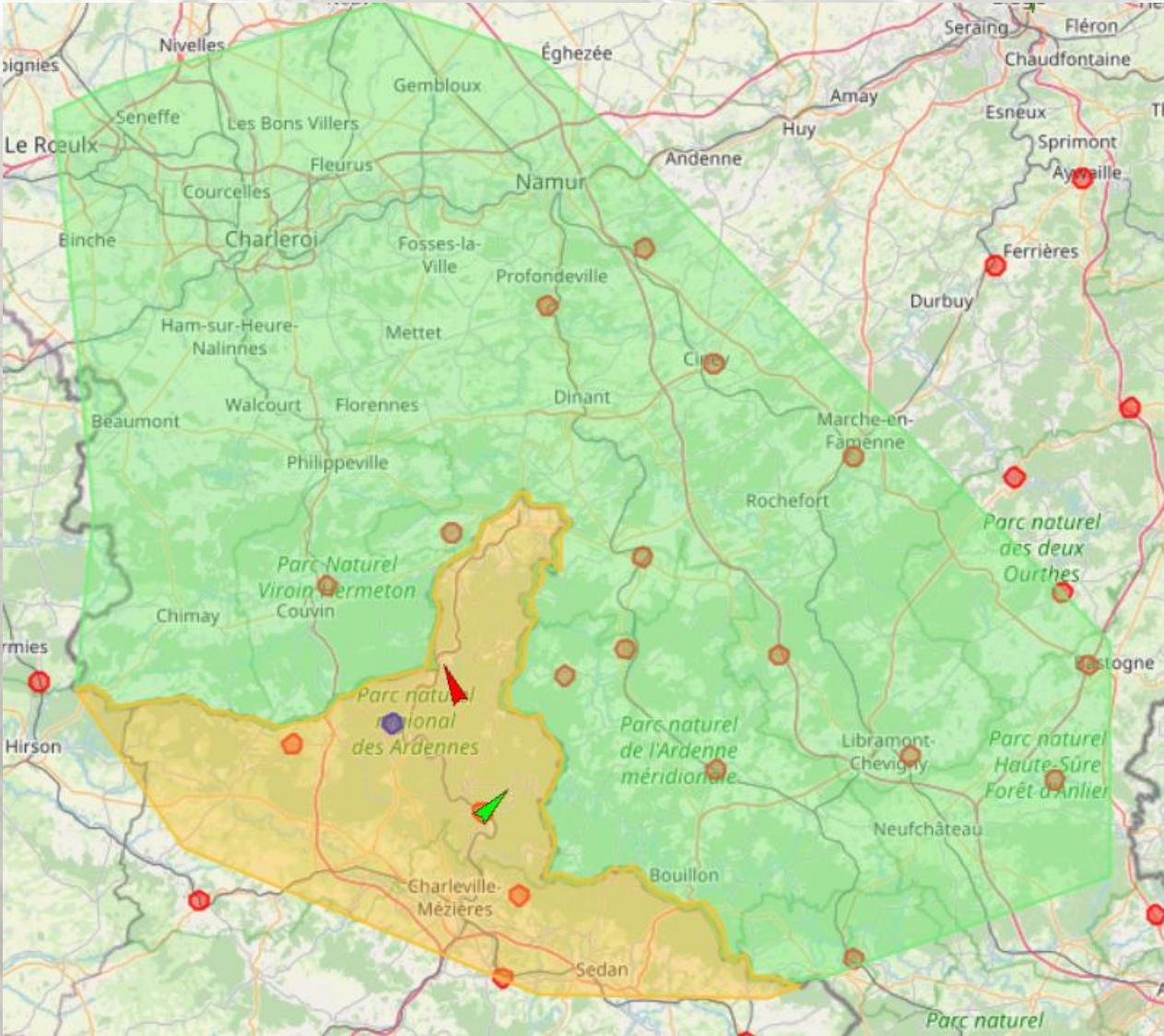


Table de conversion des niveaux de vol (FL) en altitude AMSL en fonction du QNH

Fédération Française de Vol à Voile
Note Permanente 4.1.a - 19/01/2011
www.ffvv.org

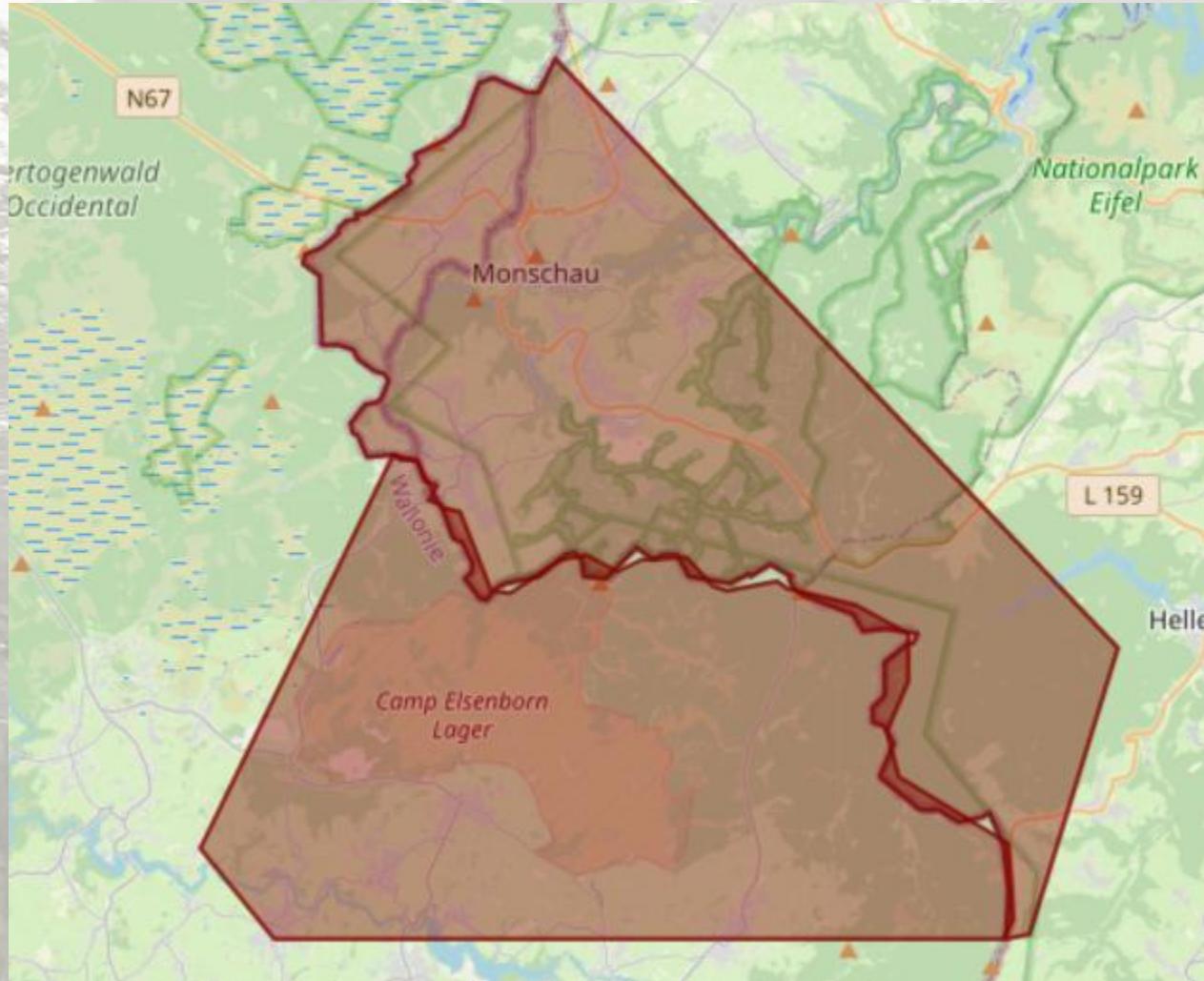
| AMSL(m) | FL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| QNH (hPa) | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 165 | 175 | 190 | 195 |
| 990 | 868 | 1021 | 1173 | 1326 | 1478 | 1630 | 1783 | 1935 | 2088 | 2240 | 2392 | 2697 | 2850 | 3002 | 3154 | 3307 | 3459 | 3612 | 3764 | 3916 | 4069 | 4221 | 4374 | 4526 | 4831 | 5136 | 5593 | 5745 |
| 991 | 877 | 1029 | 1182 | 1334 | 1487 | 1639 | 1791 | 1944 | 2096 | 2249 | 2401 | 2706 | 2858 | 3011 | 3163 | 3315 | 3468 | 3620 | 3773 | 3925 | 4077 | 4230 | 4382 | 4535 | 4839 | 5144 | 5601 | 5754 |
| 992 | 885 | 1038 | 1190 | 1343 | 1495 | 1647 | 1800 | 1952 | 2105 | 2257 | 2409 | 2714 | 2867 | 3019 | 3171 | 3324 | 3476 | 3629 | 3781 | 3933 | 4086 | 4238 | 4391 | 4543 | 4848 | 5153 | 5610 | 5762 |
| 993 | 894 | 1046 | 1199 | 1351 | 1504 | 1656 | 1808 | 1961 | 2113 | 2266 | 2418 | 2723 | 2875 | 3028 | 3180 | 3332 | 3485 | 3637 | 3790 | 3942 | 4094 | 4247 | 4399 | 4552 | 4856 | 5161 | 5618 | 5771 |
| 994 | 903 | 1055 | 1207 | 1360 | 1512 | 1665 | 1817 | 1969 | 2122 | 2274 | 2427 | 2731 | 2884 | 3036 | 3189 | 3341 | 3493 | 3646 | 3798 | 3951 | 4103 | 4255 | 4408 | 4560 | 4865 | 5170 | 5627 | 5779 |
| 995 | 911 | 1063 | 1216 | 1368 | 1521 | 1673 | 1825 | 1978 | 2130 | 2283 | 2435 | 2740 | 2892 | 3045 | 3197 | 3349 | 3502 | 3654 | 3807 | 3959 | 4111 | 4264 | 4416 | 4569 | 4873 | 5178 | 5635 | 5788 |
| 996 | 920 | 1072 | 1224 | 1377 | 1529 | 1682 | 1834 | 1986 | 2139 | 2291 | 2444 | 2748 | 2901 | 3053 | 3206 | 3358 | 3510 | 3663 | 3815 | 3968 | 4120 | 4272 | 4425 | 4577 | 4882 | 5187 | 5644 | 5796 |
| 997 | 928 | 1081 | 1233 | 1385 | 1538 | 1690 | 1843 | 1995 | 2147 | 2300 | 2452 | 2757 | 2909 | 3062 | 3214 | 3367 | 3519 | 3671 | 3824 | 3976 | 4129 | 4281 | 4433 | 4586 | 4891 | 5195 | 5653 | 5805 |
| 998 | 937 | 1089 | 1241 | 1394 | 1546 | 1699 | 1851 | 2003 | 2156 | 2308 | 2461 | 2765 | 2918 | 3070 | 3223 | 3375 | 3527 | 3680 | 3832 | 3985 | 4137 | 4289 | 4442 | 4594 | 4899 | 5204 | 5661 | 5813 |
| 999 | 945 | 1098 | 1250 | 1402 | 1555 | 1707 | 1860 | 2012 | 2164 | 2317 | 2469 | 2774 | 2926 | 3079 | 3231 | 3384 | 3536 | 3688 | 3841 | 3993 | 4146 | 4298 | 4450 | 4603 | 4908 | 5212 | 5670 | 5822 |
| 1000 | 954 | 1106 | 1259 | 1411 | 1563 | 1716 | 1868 | 2021 | 2173 | 2325 | 2478 | 2783 | 2935 | 3087 | 3240 | 3392 | 3545 | 3697 | 3849 | 4002 | 4154 | 4307 | 4459 | 4611 | 4916 | 5221 | 5678 | 5831 |
| 1001 | 962 | 1115 | 1267 | 1419 | 1572 | 1724 | 1877 | 2029 | 2181 | 2334 | 2486 | 2791 | 2943 | 3096 | 3248 | 3401 | 3553 | 3705 | 3858 | 4010 | 4163 | 4315 | 4467 | 4620 | 4925 | 5229 | 5687 | 5839 |
| 1002 | 971 | 1123 | 1276 | 1428 | 1580 | 1733 | 1885 | 2038 | 2190 | 2342 | 2495 | 2800 | 2952 | 3104 | 3257 | 3409 | 3562 | 3714 | 3866 | 4019 | 4171 | 4324 | 4476 | 4628 | 4933 | 5238 | 5695 | 5848 |
| 1003 | 979 | 1132 | 1284 | 1437 | 1589 | 1741 | 1894 | 2046 | 2199 | 2351 | 2503 | 2808 | 2961 | 3113 | 3265 | 3418 | 3570 | 3723 | 3875 | 4027 | 4180 | 4332 | 4485 | 4637 | 4942 | 5247 | 5704 | 5856 |
| 1004 | 988 | 1140 | 1293 | 1445 | 1597 | 1750 | 1902 | 2055 | 2207 | 2359 | 2512 | 2817 | 2969 | 3121 | 3274 | 3426 | 3579 | 3731 | 3883 | 4036 | 4188 | 4341 | 4493 | 4645 | 4950 | 5255 | 5712 | 5865 |
| 1005 | 996 | 1149 | 1301 | 1454 | 1606 | 1758 | 1911 | 2063 | 2216 | 2368 | 2520 | 2825 | 2978 | 3130 | 3282 | 3435 | 3587 | 3740 | 3892 | 4044 | 4197 | 4349 | 4502 | 4654 | 4959 | 5264 | 5721 | 5873 |
| 1006 | 1005 | 1157 | 1310 | 1462 | 1615 | 1767 | 1919 | 2072 | 2224 | 2377 | 2529 | 2834 | 2986 | 3139 | 3291 | 3443 | 3596 | 3748 | 3901 | 4053 | 4205 | 4358 | 4510 | 4663 | 4967 | 5272 | 5729 | 5882 |
| 1007 | 1013 | 1166 | 1318 | 1471 | 1623 | 1775 | 1928 | 2080 | 2233 | 2385 | 2537 | 2842 | 2995 | 3147 | 3299 | 3452 | 3604 | 3757 | 3909 | 4061 | 4214 | 4366 | 4519 | 4671 | 4976 | 5281 | 5738 | 5890 |
| 1008 | 1022 | 1174 | 1327 | 1479 | 1632 | 1784 | 1936 | 2089 | 2241 | 2394 | 2546 | 2851 | 3003 | 3156 | 3308 | 3460 | 3613 | 3765 | 3918 | 4070 | 4222 | 4375 | 4527 | 4680 | 4984 | 5289 | 5746 | 5899 |
| 1009 | 1031 | 1183 | 1335 | 1488 | 1640 | 1793 | 1945 | 2097 | 2250 | 2402 | 2555 | 2859 | 3012 | 3164 | 3317 | 3469 | 3621 | 3774 | 3926 | 4079 | 4231 | 4383 | 4536 | 4688 | 4993 | 5298 | 5755 | 5907 |
| 1010 | 1039 | 1191 | 1344 | 1496 | 1649 | 1801 | 1953 | 2106 | 2258 | 2411 | 2563 | 2868 | 3020 | 3173 | 3325 | 3477 | 3630 | 3782 | 3935 | 4087 | 4239 | 4392 | 4544 | 4697 | 5001 | 5306 | 5763 | 5916 |
| 1011 | 1048 | 1200 | 1352 | 1505 | 1657 | 1810 | 1962 | 2114 | 2267 | 2419 | 2572 | 2876 | 3029 | 3181 | 3334 | 3486 | 3638 | 3793 | 3943 | 4096 | 4248 | 4400 | 4553 | 4705 | 5010 | 5315 | 5772 | 5924 |
| 1012 | 1056 | 1209 | 1361 | 1513 | 1666 | 1818 | 1971 | 2123 | 2275 | 2428 | 2580 | 2885 | 3037 | 3190 | 3342 | 3495 | 3647 | 3799 | 3952 | 4104 | 4257 | 4409 | 4561 | 4714 | 5019 | 5323 | 5781 | 5933 |
| 1013 | 1065 | 1217 | 1369 | 1522 | 1674 | 1827 | 1979 | 2131 | 2284 | 2436 | 2589 | 2893 | 3046 | 3198 | 3351 | 3503 | 3655 | 3808 | 3960 | 4113 | 4265 | 4417 | 4570 | 4722 | 5027 | 5332 | 5789 | 5941 |
| 1014 | 1073 | 1226 | 1378 | 1530 | 1683 | 1835 | 1988 | 2140 | 2292 | 2445 | 2597 | 2902 | 3054 | 3207 | 3359 | 3512 | 3664 | 3816 | 3969 | 4121 | 4274 | 4426 | 4578 | 4731 | 5036 | 5340 | 5798 | 5950 |
| 1015 | 1082 | 1234 | 1387 | 1539 | 1691 | 1844 | 1996 | 2149 | 2301 | 2453 | 2606 | 2911 | 3063 | 3215 | 3368 | 3520 | 3673 | 3825 | 3977 | 4130 | 4282 | 4435 | 4587 | 4739 | 5044 | 5349 | 5806 | 5959 |
| 1016 | 1090 | 1243 | 1395 | 1547 | 1700 | 1852 | 2005 | 2157 | 2309 | 2462 | 2614 | 2919 | 3071 | 3224 | 3376 | 3529 | 3681 | 3833 | 3986 | 4138 | 4291 | 4443 | 4595 | 4748 | 5053 | 5357 | 5815 | 5967 |
| 1017 | 1099 | 1251 | 1404 | 1556 | 1708 | 1861 | 2013 | 2166 | 2318 | 2470 | 2623 | 2928 | 3080 | 3232 | 3385 | 3537 | 3690 | 3842 | 3994 | 4147 | 4299 | 4452 | 4604 | 4756 | 5061 | 5366 | 5823 | 5976 |
| 1018 | 1107 | 1260 | 1412 | 1565 | 1717 | 1869 | 2022 | 2174 | 2327 | 2479 | 2631 | 2936 | 3089 | 3241 | 3393 | 3546 | 3698 | 3851 | 4003 | 4155 | 4308 | 4460 | 4613 | 4765 | 5070 | 5375 | 5832 | 5984 |
| 1019 | 1116 | 1268 | 1421 | 1573 | 1725 | 1878 | 2030 | 2183 | 2335 | 2487 | 2640 | 2945 | 3097 | 3249 | 3402 | 3554 | 3707 | 3859 | 4011 | 4164 | 4316 | 4469 | 4621 | 4773 | 5078 | 5383 | 5840 | 5993 |
| 1020 | 1124 | 1277 | 1429 | 1582 | 1734 | 1886 | 2039 | 2191 | 2344 | 2496 | 2648 | 2953 | 3106 | 3258 | 3410 | 3563 | 3715 | 3868 | 4020 | 4172 | 4325 | 4477 | 4630 | 4782 | 5087 | 5392 | 5849 | 6001 |
| 1021 | 1133 | 1285 | 1438 | 1590 | 1743 | 1895 | 2047 | 2200 | 2352 | 2505 | 2657 | 2962 | 3114 | 3267 | 3419 | 3571 | 3724 | 3876 | 4029 | 4181 | 4333 | 4486 | 4638 | 4791 | 5095 | 5400 | 5857 | 6010 |
| 1022 | 1141 | 1294 | 1446 | 1599 | 1751 | 1903 | 2056 | 2208 | 2361 | 2513 | 2665 | 2970 | 3123 | 3275 | 3427 | 3580 | 3732 | 3885 | 4037 | 4189 | 4342 | 4494 | 4647 | 4799 | 5104 | 5409 | 5866 | 6018 |
| 1023 | 1150 | 1302 | 1455 | 1607 | 1760 | 1912 | 2064 | 2217 | 2369 | 2522 | 2674 | 2979 | 3131 | 3284 | 3436 | 3588 | 3741 | 3893 | 4046 | 4198 | 4350 | 4503 | 4655 | 4808 | 5112 | 5417 | 5874 | 6027 |
| 1024 | 1159 | 1311 | 1463 | 1616 | 1768 | 1921 | 2073 | 2225 | 2378 | 2530 | 2683 | 2987 | 3140 | 3292 | 3445 | 3597 | 3749 | 3902 | 4054 | 4207 | 4359 | 4511 | 4664 | 4816 | 5121 | 5426 | 5883 | 6035 |
| 1025 | 1167 | 1319 | 1472 | 1624 | 1777 | 1929 | 2081 | 2234 | 2386 | 2539 | 2691 | 2996 | 3148 | 3301 | 3453 | 3605 | 3758 | 3910 | 4063 | 4215 | 4367 | 4520 | 4672 | 4825 | 5129 | 5434 | 5891 | 6044 |
| 1026 | 1176 | 1328 | 1480 | 1633 | 1785 | 1938 | 2090 | 2242 | 2395 | 2547 | 2700 | 3004 | 3157 | 3309 | 3462 | 3614 | 3766 | 3919 | 4071 | 4224 | 4376 | 4528 | 4681 | 4833 | 5138 | 5443 | 5900 | 6052 |
| 1027 | 1184 | 1337 | 1489 | 1641 | 1794 | 1946 | 2099 | 2251 | 2403 | 2556 | 2708 | 3013 | 3165 | 3318 | 3470 | 3623 | 3775 | 3927 | 4080 | 4232 | 4385 | 4537 | 4689 | 4842 | 5147 | 5451 | 5909 | 6061 |
| 1028 | 1193 | 1345 | 1497 | 1650 | 1802 | 1955 | 2107 | 2259 | 2412 | 2564 | 2717 | 3021 | 3174 | 3326 | 3479 | 3631 | 3783 | 3936 | 4088 | 4241 | 4393 | 4545 | 4698 | 4850 | 5155 | 5460 | 5917 | 6069 |
| 1029 | 1201 | 1354 | 1506 | 1658 | 1811 | 1963 | 2116 | 2268 | 2420 | 2573 | 2725 | 3030 | 3182 | 3335 | 3487 | 3640 | 3792 | 3944 | 4097 | 4249 | 4402 | 4554 | 4706 | 4859 | 5164 | 5468 | 5926 | 6078 |
| 1030 | 1210 | 1362 | 1515 | 1667 | 1819 | 1972 | 2124 | 2277 | 2429 | 2581 | 2734 | 3039 | 3191 | 3343 | 3496 | 3648 | 3801 | 3953 | 4105 | 4258 | 4410 | 4563 | 4715 | 4867 | 5172 | 5477 | 5934 | 6087 |

XC Reminder – Significant zones: TSA-26B (4500ft AMSL) & LFCBA 16B (FL65)



Important to know for
GAA EXAM

XC Reminder – Significant zones: EBR04 & ED R117



Summary: how to be allowed to fly within the GAA's?

- Before the flight
 - Always fly with Livetracking
 - Purchase a radio able to listen to EBSH
 - Get an Android device to run EBSH-tower app
 - Have received the GAA certificate number from FBVL
(Charter signed, exam succeeded, other conditions met)

Summary: how to be allowed to fly within the GAA's?

- The day of the flight
 - Check notam's to make sure GAA's are active and allowed
 - Keep flying with Livetracking
 - Listen to EBSH frequency
 - Run EBSH-tower app

QUESTIONS & ANSWERS

Questions GAA-XC certificate

- The candidate is supposed to use a computer with internet access. The goal is to check that the pilot is able to prepare his flight, is able to find the info needed, understand the info and have the right info in mind while flying.
- Questions can be shared before the training/exams, so that the pilot can be better prepared. New scenarios (notams) will be used for each exam

Information with this color is a variable and will be changed for the exam.

Examen GAA-XC 12/04/2024

Date: Nom du pilote:

- Numéro brevet XC:
- Utilisation du Livetracking pour tous mes vols:

Depuis

Type: Flymaster – Xcontest/Xctrack

Identifiant:

- Utilisation d'une radio capable d'écouter la tour
EBSH (122,18Mhz)

Brand/model:

- EBSH-Tower installé + enregistré

Le candidat est censé utiliser un ordinateur avec accès à Internet. Le but est de vérifier que le pilote est capable de préparer son vol, est capable de trouver l'info, de comprendre l'info et d'avoir la bonne info en tête en vol.

Signature du pilote



Questions (1)

- A quelle heure locale théorique (en se basant sur l'AIP) puis-je décoller d'Andenne et monter jusqu'à 1000 m AMSL le 30/08/2024 , 01/09/2024 , le 03/09/2024 et le 06/09/2024?

.....
.....

- A quelle condition puis-je voler jusqu'à 1950 m AMSL au sud de Revin lorsque la TSA26B est active?

.....

- Quelles sont les limites verticales de la EBR19 (Marche) ?

.....

- Quelle est la fréquence principale de la tour de Beauvechain ?

.....

Questions (2)

- Quelle distance maximum puis-je effectuer si je souhaite monter jusqu'à **1700** m AMSL, vertical déco et effectuer un cross à la même hauteur dans un axe perpendiculaire au déco, dans le sens du vent (voir parenthèses!), sachant que la TSA26B est active et perméable au traffic GAA, la EBR04 est active, les GAA sont actives sans transpondeurs, en faisant max 100 KM? Indiquez 0 (Non autorisé) , 100 (aucune contrainte) ou le nombre de KM max depuis le déco si je suis arrêté à un moment donné dans mon projet.

Revin (N-NO!): La roche (N): Coo (O): Fumay (O): Beauraing (N):

7Meuses (S): Andenne (NE): Prayon (NE): Maboge (SO): Revin (S):

- Comment trouver l' information de façon certaine (à la source) des zones militaires actives, impactant nos vols potentiels en Wallonie et indiquez 2 zones principales qui nous concernent régulièrement?
-
-

- A) Quelles sont les 5 conditions pour qu'un pilote de parapente puisse obtenir son brevet XC GAA
 - B) Quelles sont les 4 conditions pour qu'un pilote puisse voler dans une GAA en semaine une fois le brevet XC GAA obtenu?
-
-
-

Question (3)

FROM: 02 APR 2024 13:15 TILL: 05 APR 2024 15:00
SCHEDULE: APR 02 03 1315-1430 1500-1615 1900-2100, 04 0900-1000 1245-1345,
05 0800-0915 0945-1100 1345-1500
TSA26A - ARDENNES 01 ACT.
GAT ALLOWED TO CROSS TRACK MATIX-MMD ON FIXED LVL BLW FL195 AFTER
COOR BTN BELGA RADAR AND CRNA/NORD
Lower limit: FL095 Upper limit: UNL

FROM: 05 APR 2024 08:00 TILL: 05 APR 2024 15:00
SCHEDULE: 0800-0915 1200-1315 1345-1500
LFA01-ARDENNES 01, LFA02-ARDENNES 02, LFA03-ARDENNES 03,
LFA04-ARDENNES 04, LFA05-ARDENNES 05, LFA06-ARDENNES 06 AND
LFA07-ARDENNES 07 ACT
Lower limit: 250FT AGL Upper limit: 500FT AGL

FROM: 05 APR 2024 06:30 TILL: 05 APR 2024 10:30
HTA13-HELICOPTER TRAINING AREA 13 ACT
Lower limit: GND Upper limit: 500FT AGL

FROM: 05 APR 2024 06:30 TILL: 05 APR 2024 15:30
LFA11-KOKSIJDE TRAINING AREA ACT
Lower limit: 10FT AMSL Upper limit: 500FT AMSL

FROM: 05 APR 2024 06:30 TILL: 05 APR 2024 14:00
SCHEDULE: 0630-1030 1100-1400
HTAO8-HELICOPTER TRAINING AREA 08 ACT
Lower limit: GND Upper limit: 500FT AGL

FROM: 02 APR 2024 12:46 TILL: 05 APR 2024 15:30
SCHEDULE: 02 1246-SS, 03-05 0900-1530
REF SUP 007/2024. GLIDER AREA LA ROCHE ACT.
CONSULT SUP FOR APPLICABLE PROC. TRANSPONDER NOT REQUIRED
Lower limit: 4500FT AMSL Upper limit: FL065

FROM: 02 APR 2024 13:15 TILL: 05 APR 2024 15:00
SCHEDULE: APR 02 03 1315-1430 1500-1615 1900-2100, 04 0900-1000 1245-1345,
05 0800-0915 0945-1100 1345-1500
EBD26-ARDENNES 05 ACT
Lower limit: 1000FT AGL Upper limit: 4500FT AMSL

FROM: 02 APR 2024 13:15 TILL: 05 APR 2024 15:00
SCHEDULE: APR 02 03 1315-1430 1500-1615 1900-2100, 04 0900-1000 1245-1345,
05 0800-0915 0945-1100 1345-1500
TSA26B - ARDENNES 04 ACT
Lower limit: 4500FT AMSL Upper limit: FL095

Quelles sont les zones actives le **05/04** à (heure locale) **midi:**
15h10 :

Questions (4)

- Le **30/11/2023**, sur base de l'espace aérien disponible dans le Friendly Air Tool, le QNH d'aujourd'hui, et avec les 3 GAA actives et autorisées aux ayants droit...., pour chaque site repris ci-dessous, indiquez dans la première colonne si je peux accomplir un vol de **40 km** (maximum) en pouvant monter **au moins une fois** à une altitude de **1750 m AMSL**. Prendre en compte une variation possible de **30°** par rapport au cap annoncé ? Réponse: Oui ou Non.
- Pour les 5 premiers sites où il est possible d'effectuer ce vol, répondez aux questions suivantes:
 - Préciser si il est possible de maintenir **1750 m AMSL** durant tout le vol dans la seconde colonne en commençant vertical déco (Rép: Oui ou Non)
 - Si la réponse est Non à la question précédente, donnez une distance approximative pendant laquelle il est possible de maintenir cette altitude (à quelque moment du vol que ce soit).
 - Donner le nom des zones actives rencontrées potentiellement dans un axe de **+/- 30°** par rapport au cap donné (Y compris les zones danger).

| | Vol 40K? | Entier? | # KM possible | Zones à prendre en compte |
|------------------------------------|----------|---------|---------------|---------------------------|
| Depuis Coo, direction Est-Nord-Est | | | | |
| Depuis Maboge, direction Nord-Est | | | | |
| Depuis 7M, direction Nord-Est | | | | |
| Depuis Beauraing, direction Sud | | | | |
| Depuis Prayon, direction Sud | | | | |
| Depuis Revin, direction Nord-Est | | | | |
| Depuis Fumay, direction Est | | | | |
| Depuis Revin, direction Ouest | | | | |

Activation LFA-G

LFA Golf Status

Status on Saturday 04 September 2021

The lowest QNH today is: **1016hPa**

Low Flying Area G1 is **ACTIVE** up to FL55 excluded (=1552 meter AMSL) from 1 local time.

Low Flying Area G2 North is **NOT ACTIVE**

Low Flying Area G2 West is **NOT ACTIVE**

Low Flying Area G2 South is **ACTIVE** up to FL75 excluded (=2162 meter AMSL) from 1100 local time.

Low Flying Area G5W is **ACTIVE** up to FL95 excluded (=2771 meter AMSL) from 1300 local time.

Low Flying Area G5E is **ACTIVE** up to FL95 excluded (=2771 meter AMSL) from 1300 local time.

Questions LFA-G (5)

- Comment obtenir les statuts des LFA-G de façon certaine (à la source)?
.....
- Depuis quel(s) déco(s) puis-je voler jusqu'à 1500m AMSL/2100m AMSL sur un vol XC de 25 km (pendant tout le vol, en démarrant vertical déco à Midi), sachant qu'une variation possible de 30° doit être prise en compte par rapport à la direction donnée? Dans la dernière colonne, indiquez si il y a des zones spécifiques à prendre en compte pendant le vol et comment les respecter.

| | 1500 AMSL | 2100 AMSL | Zones à prendre en compte et à respecter |
|------------------------------------|-----------|-----------|------------------------------------------|
| De Coo, direction Est-Nord-Est | | | |
| Depuis La Roche, direction Sud | | | |
| Depuis 7M, direction Nord-Nord-Est | | | |
| Depuis Beauraing, direction Sud | | | |
| Depuis Revin, direction Nod-Est | | | |
| Depuis Fumay, direction Est | | | |
| Depuis Prayon, direction Sud/Ouest | | | |