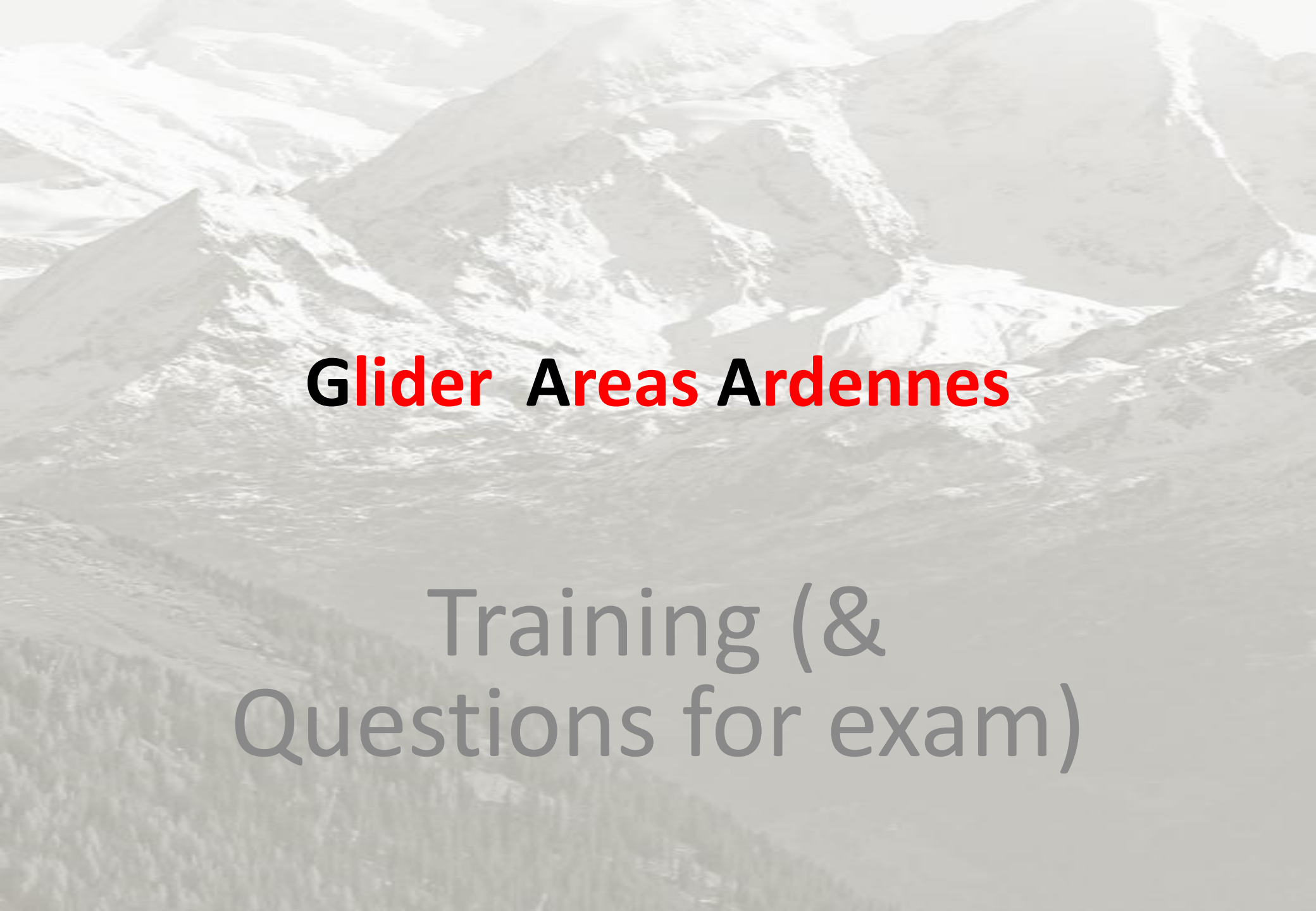




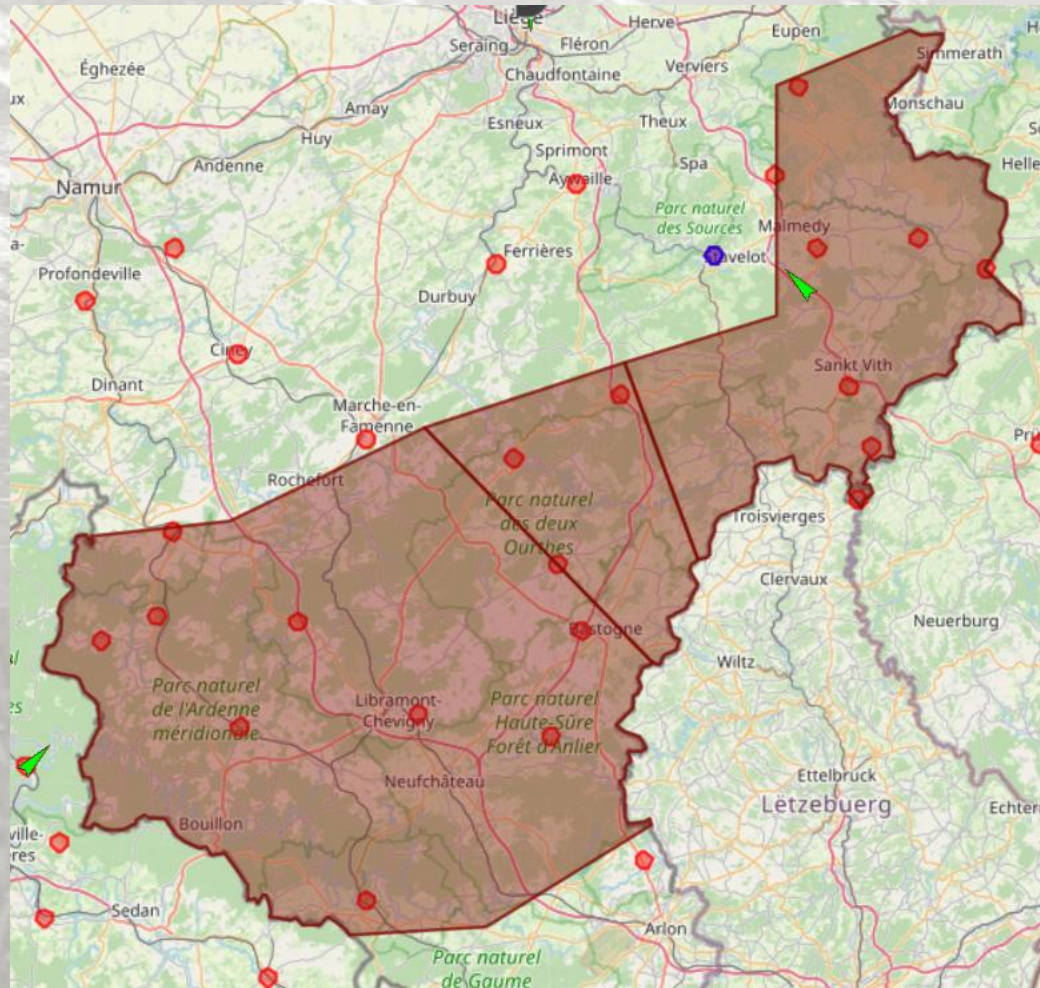
Glider Areas Ardennes

Training (&
Questions for 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** (including self learning)
 - 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 /8.33KHz)
 - 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:

Additional
GAA
specific
rules

Additional
responsibili-
ties in GAA

Additional
tools to
handle
them

A charter to
formalise
the pilot's
commitment

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 de 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 météo, 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 :

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 météo, 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
 - TDD Task Manager
 - Skeyes – AIP – Notams
 - Livetracking: XCTrack/Xcontest and Flymaster
- XC reminder
 - Altimetry
 - Airspaces
 - LFA Golf

Specific GAA Knowledge

3 GLIDER AREAS ARDENNES

EBBUGLD11 - GLIDER AREA SAINT-HUBERT ⁽¹⁾⁽²⁾

Lateral limits	Vertical limits	Type of restriction / nature of hazard	Time of activity
500557N 0045210E - 500657N 0050553E - 501252N 0052512E - 495757N 0054744E - along the Belgian-Luxembourg border - 494738N 0054729E - 494106N 0053116E - 494038N 0051741E - along the Belgian-French border - 500557N 0045210E. ⁽³⁾	FL 065 / 4500 FT AMSL	Glider activity. ⁽⁴⁾	by NOTAM ⁽⁵⁾⁽⁶⁾
⁽¹⁾ Airspace class G during activation. ⁽²⁾ Gliders equipped with transponders should select code A1477. ⁽³⁾ Conflicting areas activated by NOTAM are excluded, except TSA25C and TSA26B. ⁽⁴⁾ Non-military aircraft should establish two-way radio contact with Saint-Hubert Radio on 122.180 MHz or Bertrix Radio on 130.130 MHz, as applicable. ⁽⁵⁾ May be activated from 01 APR till 30 SEP, from 1000 (0900) to SS (or the closure of Steenokkerzeel ATCC, whichever is earlier). NOTAM will be issued not later than 1600 (1500) on the day before activation. ⁽⁶⁾ Activation can be checked with Brussels FIC (FREQ 126.900 MHz or TEL +32 (0) 2 206 29 49) or Steenokkerzeel ATCC (FREQ 129.325 MHz or TEL +32 (0) 2 443 82 04).			

EBBUGLD12 - GLIDER AREA LA ROCHE ⁽¹⁾⁽²⁾

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. ⁽³⁾	FL 065 / 4500 FT AMSL	Glider activity. ⁽⁴⁾	by NOTAM ⁽⁵⁾⁽⁶⁾
⁽¹⁾ Airspace class G during activation. ⁽²⁾ Gliders equipped with transponders should select code A1477. ⁽³⁾ Conflicting areas activated by NOTAM are excluded. ⁽⁴⁾ Non-military aircraft should establish two-way radio contact with Saint-Hubert Radio on 122.180 MHz. ⁽⁵⁾ May be activated from 01 APR till 30 SEP, from 1000 (0900) to SS (or the closure of Steenokkerzeel ATCC, whichever is earlier). NOTAM will be issued not later than 1600 (1500) on the day before activation. ⁽⁶⁾ Activation can be checked with Brussels FIC (FREQ 126.900 MHz or TEL +32 (0) 2 206 29 49) or Steenokkerzeel ATCC (FREQ 129.325 MHz or TEL +32 (0) 2 443 82 04).			

EBBUGLD13 - GLIDER AREA MALMEDY ⁽¹⁾

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 - 500426N 0055210E - 501654N 0054455E. ⁽²⁾	FL 065 / 4500 FT AMSL	Glider activity. ⁽³⁾	by NOTAM ⁽⁴⁾⁽⁵⁾
⁽¹⁾ Airspace class G during activation. ⁽²⁾ Conflicting areas activated by NOTAM are excluded. ⁽³⁾ Non-military aircraft should establish two-way radio contact with Saint-Hubert Radio on 122.180 MHz. ⁽⁴⁾ May be activated from 01 APR till 30 SEP, from 1000 (0900) to SS (or the closure of Steenokkerzeel ATCC, whichever is earlier). NOTAM will be issued not later than 1600 (1500) on the day before activation. ⁽⁵⁾ Activation can be checked with Brussels FIC (FREQ 126.900 MHz or TEL +32 (0) 2 206 29 49) or Steenokkerzeel ATCC (FREQ 129.325 MHz or TEL +32 (0) 2 443 82 04).			

GAA 2025: notam example

FROM: 21 AUG 2026 09:00 TILL: 21 AUG 2026 15:30
EBBUGLD13-GLIDER AREA MALMEDY ACT

Lower limit: 4500FT AMSL Upper limit: FL065

G2010/26

FROM: 21 AUG 2026 09:00 TILL: 21 AUG 2026 15:30
EBBUGLD12-GLIDER AREA LA ROCHE ACT

Lower limit: 4500FT AMSL Upper limit: FL065

G2009/26

FROM: 21 AUG 2026 09:00 TILL: 21 AUG 2026 15:30
EBBUGLD11-GLIDER AREA SAINT-HUBERT ACT

Lower limit: 4500FT AMSL Upper limit: FL065

G2008/26

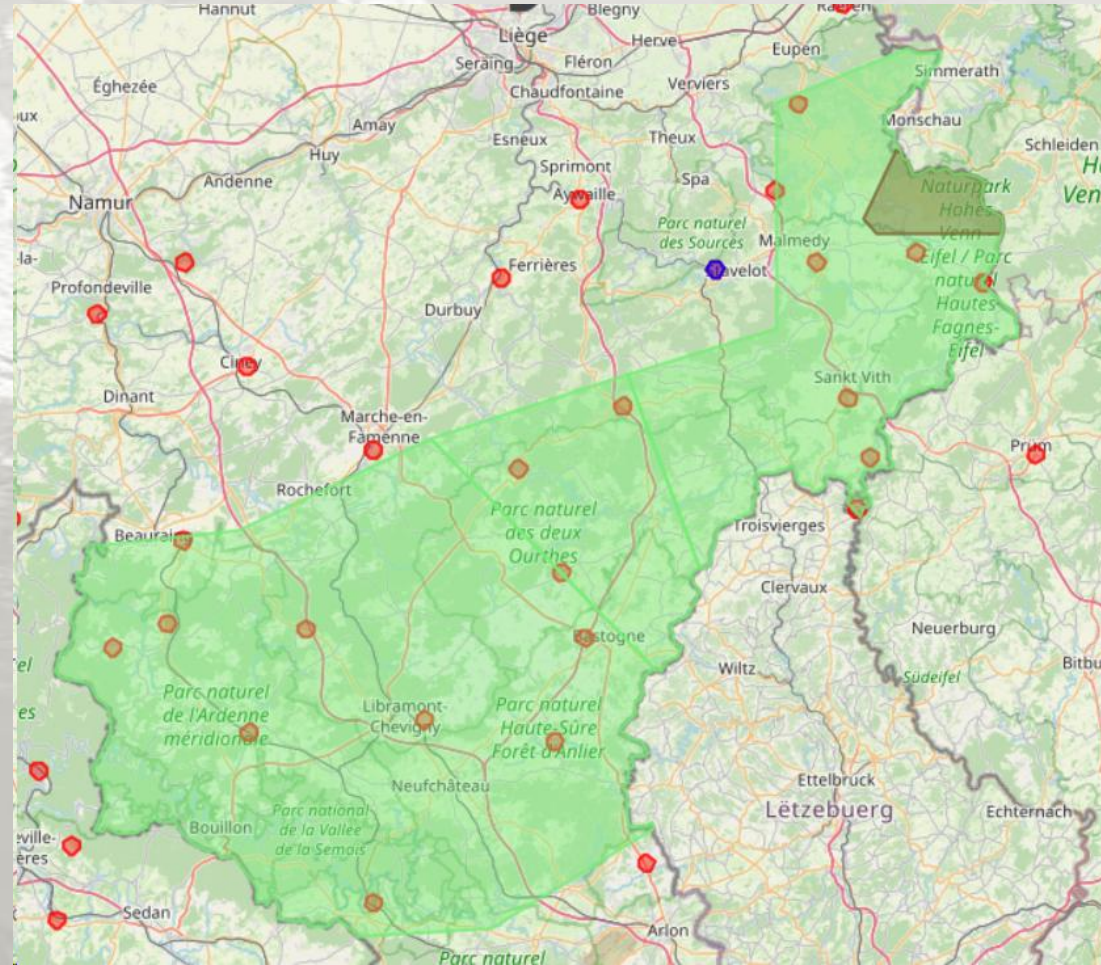
How GAA work?

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:

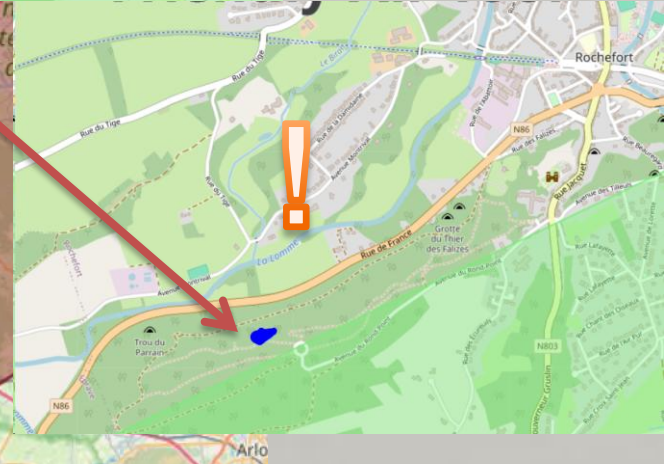
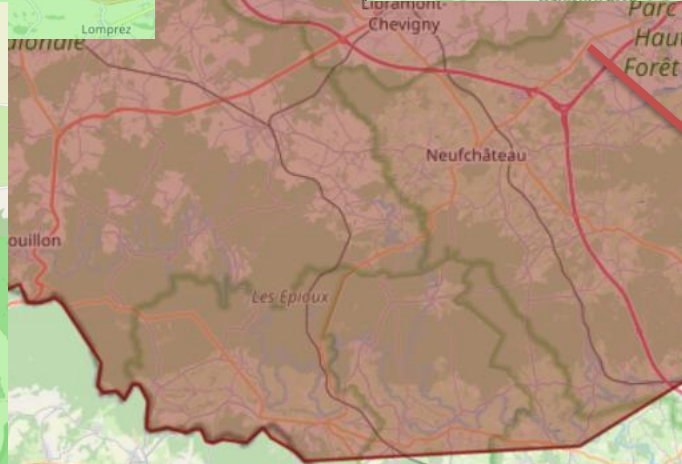
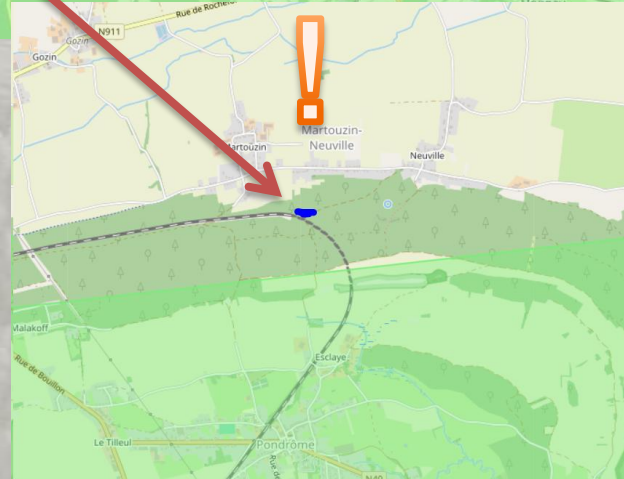
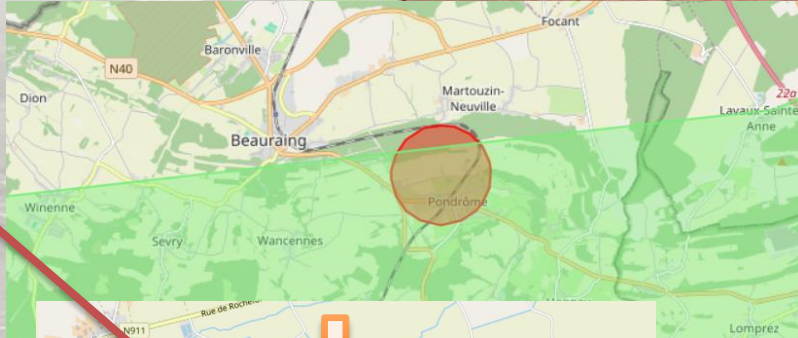
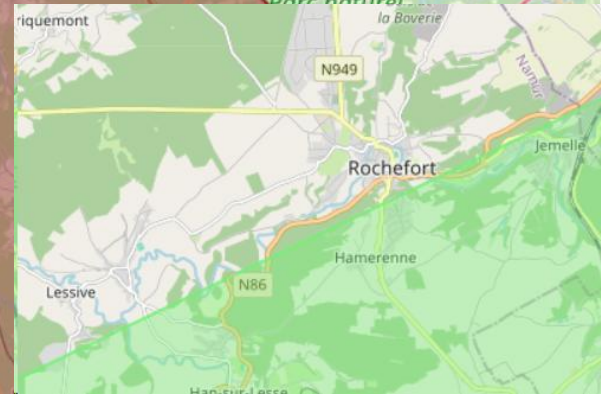
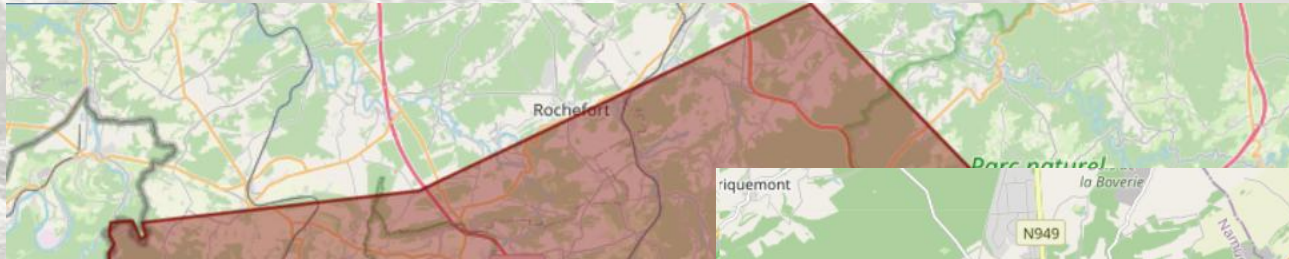
- **GA Saint-Hubert**
- **GA La Roche**
- **GA Malmedy.**



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

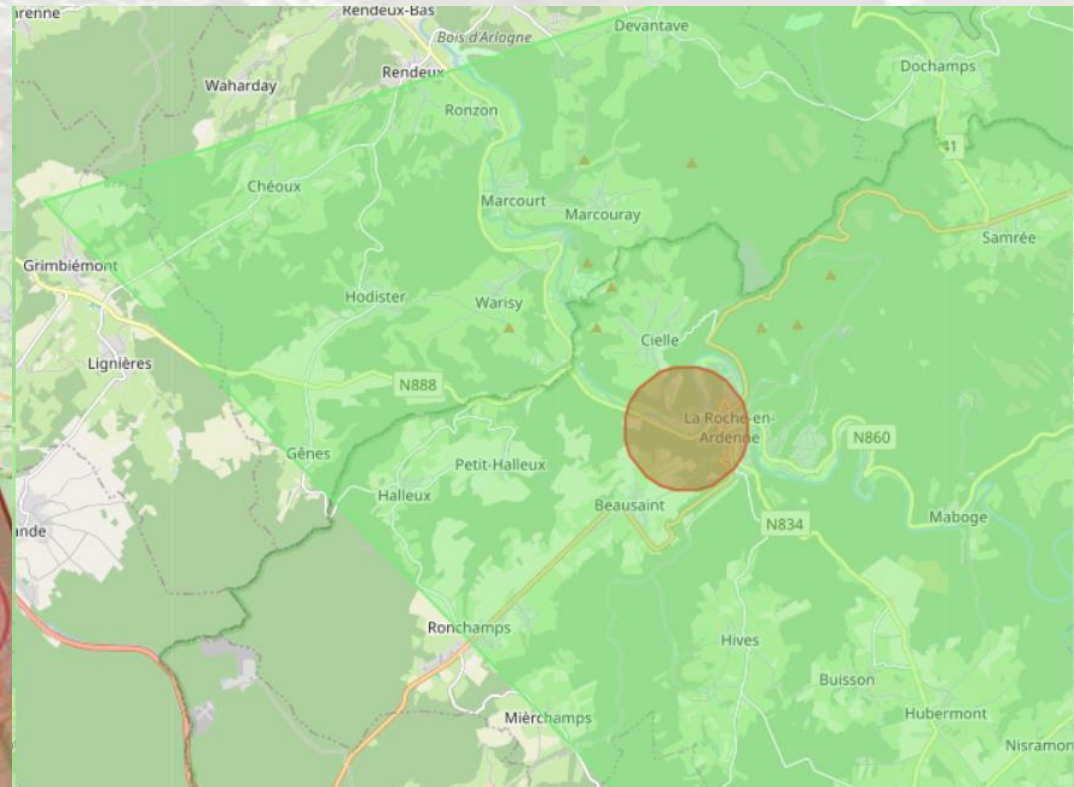
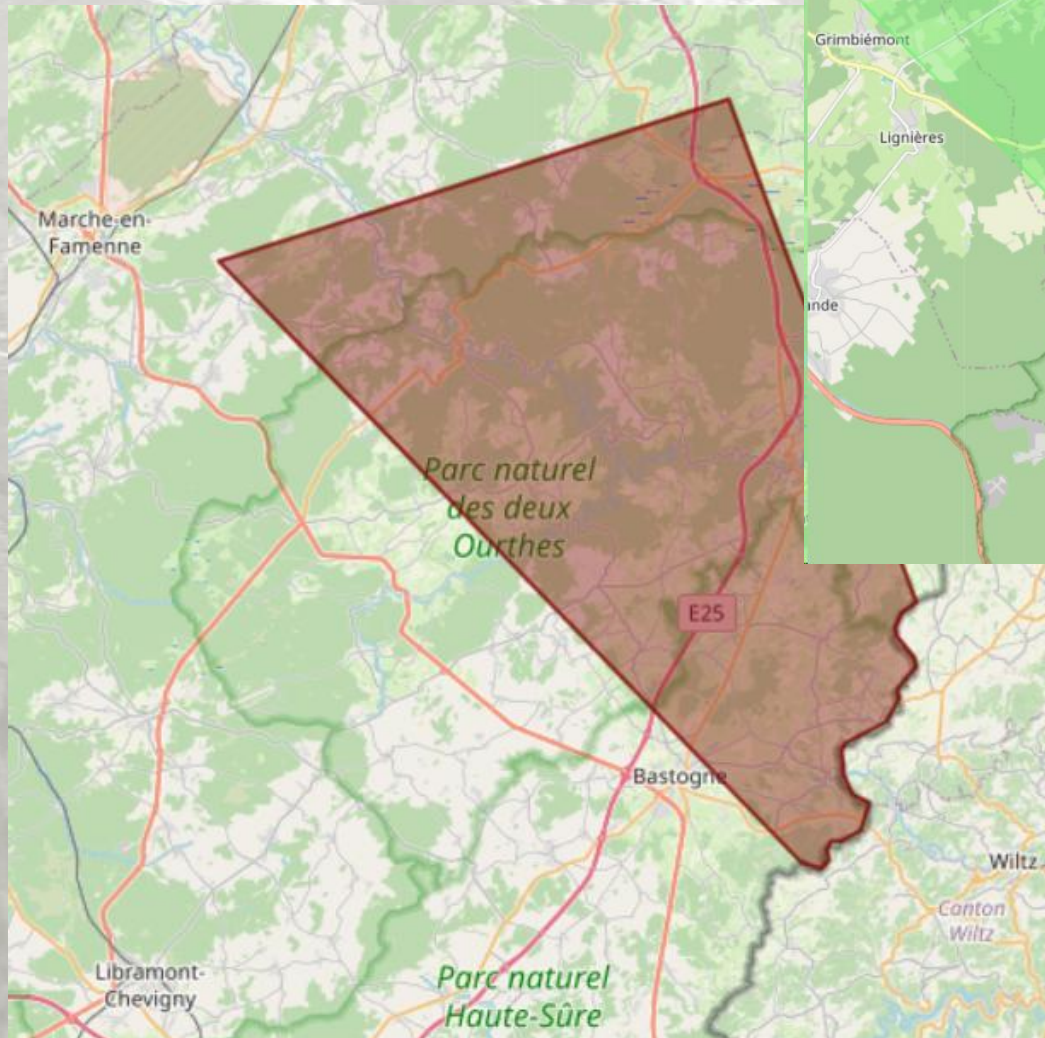
GA – Saint-Hubert

Beauraing & Rochefort take-offs are OUTSIDE!



GA – La-Roche

La roche take-off is inside!



GA – Saint-Hubert & La Roche

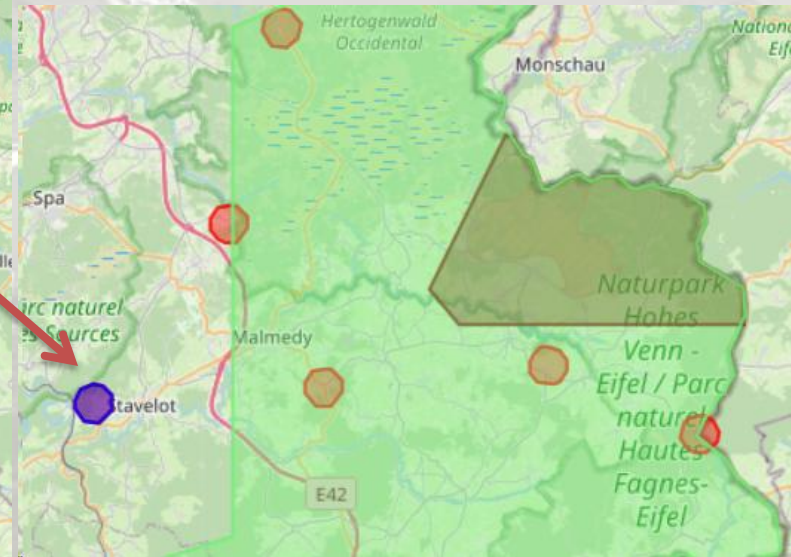
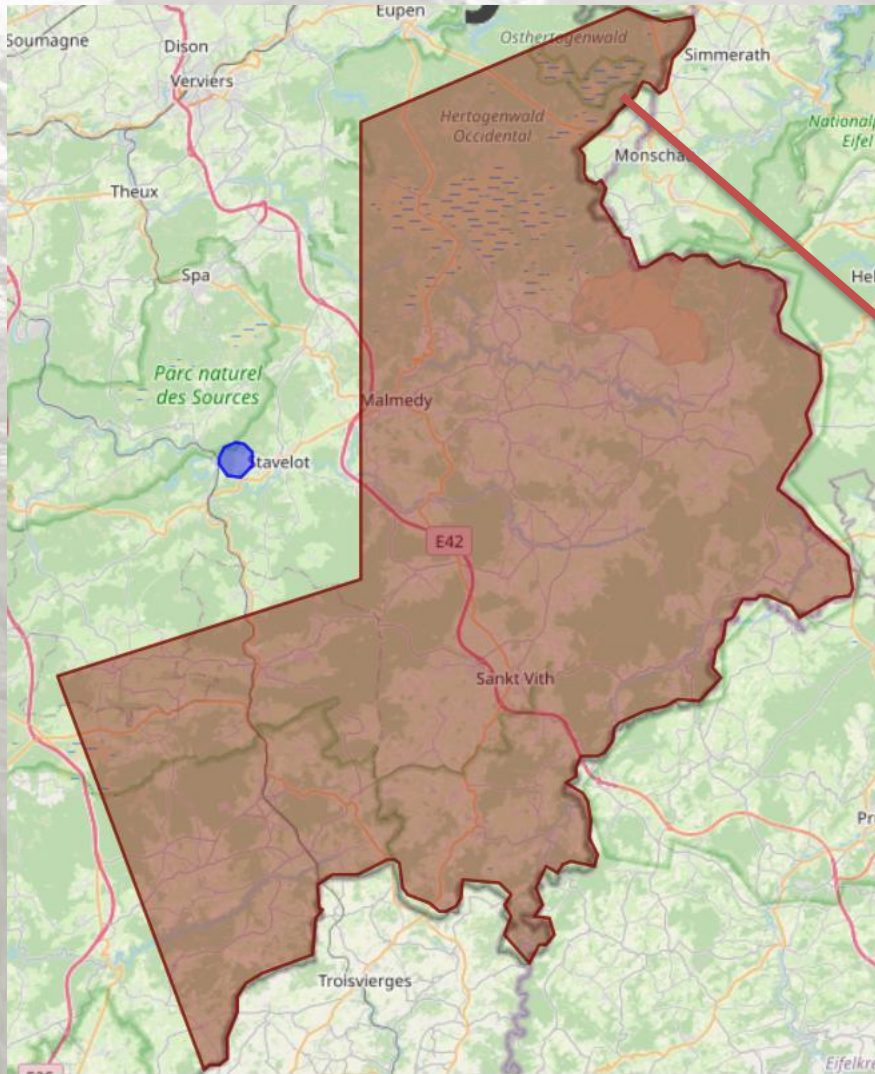
- Transponder no more requested since 2024
- Climb to **FL65 possible**
- Stay on EBSH frequency
- Check EBSH-Tower app notifications and messages
- Mil can de-activate the zone for special needs!
- Special restricted zones **keep the priority, with the exception of TSA26B and TSA25C (check notams)**

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!



EBR04

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 canal is: 122.180 (see next slide!)
- 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

What does 122.180 means?

- In the past, the channel spacing/bandwidth was 25 KHz
- To add more channels, it was decided to reduce it to 8.33 KHz (25/3)
- What is displayed on the radio is a number. Let's call it a channel
- When the frequency in 8.33 KHz mode is the same as the frequency in 25 KHz, there is a convention to change the channel (displayed « frequency ») by adding 5 KHz to be able to differentiate a frequency in 25 KHz mode or in 8.33 KHz mode.
- 122.180 is the channel name of 122.175 MHz in 8.33 KHz mode.
- 122.180 MHz is wrong. It should be written CH 122.180

Center					
25,00 KHz	8,33 KHz	Rounded 5	Display/8,33KHz	start	End
122.150 KHz	122.150,00 KHz	122.150 KHz	CH 122.155	122.145,8 KHz	122.154,2 KHz
	122.158,33 KHz	122.160 KHz	CH 122.160	122.154,2 KHz	122.162,5 KHz
	122.166,67 KHz	122.170 KHz	CH 122.165	122.162,5 KHz	122.170,8 KHz
122.175 KHz	122.175,00 KHz	122.175 KHz	CH 122.180	122.170,8 KHz	122.179,2 KHz
	122.183,33 KHz	122.185 KHz	CH 122.185	122.179,2 KHz	122.187,5 KHz
	122.191,67 KHz	122.190 KHz	CH 122.190	122.187,5 KHz	122.195,8 KHz
122.200 KHz	122.200,00 KHz	122.200 KHz	CH 122.205	122.195,8 KHz	122.204,2 KHz
	122.208,33 KHz	122.210 KHz	CH 122.210	122.204,2 KHz	122.212,5 KHz
	122.216,67 KHz	122.215 KHz	CH 122.215	122.212,5 KHz	122.220,8 KHz

What does 122.180 means?

- 122.175 MHz means 122.175 MHz in 25 KHz mode, wide bandwidth
- CH 122.180 means 122.175 MHz in 8.33 KHz mode, narrow bandwidth

To listen to EBSH, depending on your radio, different situations may arise. It is very possible that, depending on your radio and the mode you are using, entering a given frequency will be converted into a different displayed frequency/Channel.

- setting your radio to 122.175 MHz will work in any case but you may be in 25 KHz mode and therefore hear more noise and other frequencies
- typing 122.180 in 8.33 KHz, 122.183 displayed, will NOT work
- typing 122.180 in 8.33 KHz, 122.175 displayed, will work

The ideal situation is to type 122.175, have 122.175 displayed and make sure you are in 8.33 KHz mode (example with CRT 4CF, in AM mode, type 122.175, click on the # to see AM8).

Subjects :

- Specific GAA Knowledge
 - How GAA works
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 - 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 Timeslot	Transponder Mandatory?	FL	Start Hour	Start Minutes	End Hour	End Minutes
GA Malmedy	Not Active	Add	☐	95	12	0	16	00
			☐	95	17	0	23	0
GA La Roche	TMZ Only	Add	☒	65	11	0	11	50
			☐	95	13	0	23	59
GA St. Hubert	TMZ Only	Add	☒	65	10	0	11	50
			☐	95	13	0	23	59
LFA G1	Active	Add	☐	55	8	0	23	59
LFA G2 South	Not Active	Add						



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
	ACT	65	17:10	- 21:29
GA St. Hubert	TMZ	65	11:00	- 13:30
	ACT	65	17:10	- 21:29
LFA G1				
LFA G2 South				

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](#)

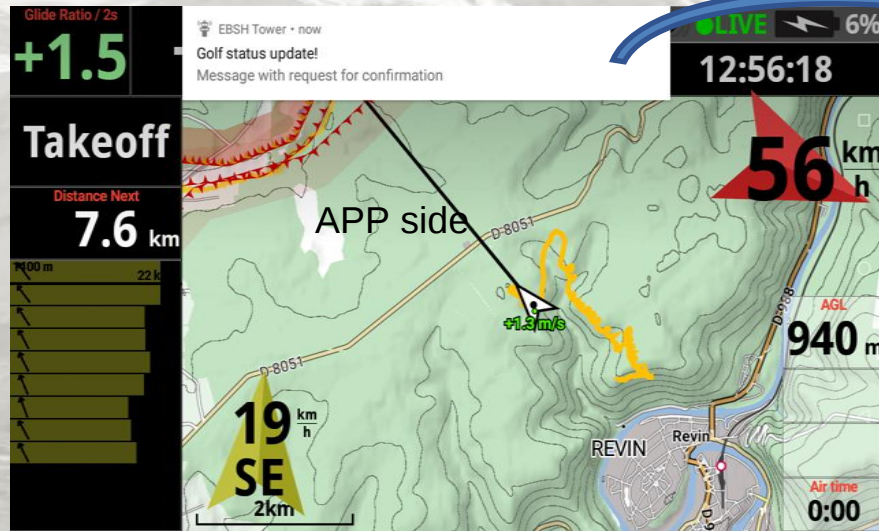
[Contact](#)

Send Message to all pilots with EBSH Tower APP

Send Message

☐ Request Confirmation

EBSH Tower app: notification while flying



APP side

The screenshot shows the EBSH Tower app interface with a notification and messages. At the top, a notification bar shows 'Golf status update! - now' with a bell icon and a 'Test message with confirmation' button. Below this, a section titled 'Messages (TAP TO CONFIRM MESSAGE)' lists two messages: 'Test message with confirmation' and 'test message'. At the bottom, there are links for 'Gliding Zones Info', 'PARABE-XC Live', 'OGN Live', and 'Settings'.

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

Message with request for confirmation

Message Reception status:

Pushtoken	Name	Displayed	Confirmed	Confirmation Location
[UIEHJLIZKAJEG18OZDbcEQ]	MDebras	No Info	Not Confirmed	
[6afNW-F4Q84HEHnn9G-BZq]	Pieter Baele	No Info	Not Confirmed	
[4IUknGOI-N-hYhPXXFw3-y]	Lode prod	No Info	Not Confirmed	
[y4QA0wIMhAobQMq3q9YX53]	Bertrand Fontaine	OK 10/05/2021, 08:38:19	OK 10/05/2021, 08:38:30	@Alt: 258m,50.4227122,4.9592597
[FCiztPAZVwAkzrjXug8vW]	Q	No Info	Not Confirmed	
[TgGdinFeDFN02XQoobZKEE]	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

Message Sent on 10/05/2021, 08:38:12					X
Message with request for confirmation					
Message Reception status:					
Push token	Name	Displayed	Confirmed	Confirmation Location	
[UIEHJLIZKAJEGf8OZDbcEQ]	MDebras	No Info	Not Confirmed		
[6afNW-F4QB4HEHnn8G-BZq]	Pieter Baele	No Info	Not Confirmed		
[4IUknGOL-N-hYhPXXFw3-y]	Lode prod	No Info	Not Confirmed		
[y4QA0wIMhAobQMq3q9YX53]	Bertrand Fontaine	OK 10/05/2021, 08:38:19	OK 10/05/2021, 08:38:30	Alt: 258m,50.4227122,4.9592597	
[FCiztPAZVEwAkzrjXug8vW]	Q	No Info	Not Confirmed		
[TgGdinFeDFN02XQoobZKEE]	New lode	No Info	Not Confirmed		
					Close

[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 06/05/2021, 20:19:12					X
This is an urgent message with confirmation					
Message Reception status:					
Push token	Name	Displayed	Confirmed	Confirmation Location	
[TgGdinFeDFN02XQoobZKEE]	New lode	OK 06/05/2021, 20:41:16	OK 06/05/2021, 21:30:19	Alt: 138m,51.2155843,4.42752	
[FCiztPAZVEwAkzrjXug8vW]	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		
[vNZQ35D7uInkv01W5u19IJ]	Berfon	OK 06/05/2021, 20:22:50	OK 06/05/2021, 20:25:43	Alt: 248m,50.422722,4.9592525	
[6afNW-F4QB4HEHnn8G-BZq]	Pieter Baele	OK 06/05/2021, 21:51:16	Not Confirmed		
[UIEHJLIZKAJEGf8OZDbcEQ]	MDebras	OK 06/05/2021, 23:11:26	OK 06/05/2021, 23:12:09	Alt: 233m,50.3469916,5.4770337	
[4IUknGOL-N-hYhPXXFw3-y]	Lode prod	OK 06/05/2021, 20:19:16	OK 06/05/2021, 20:19:35	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:

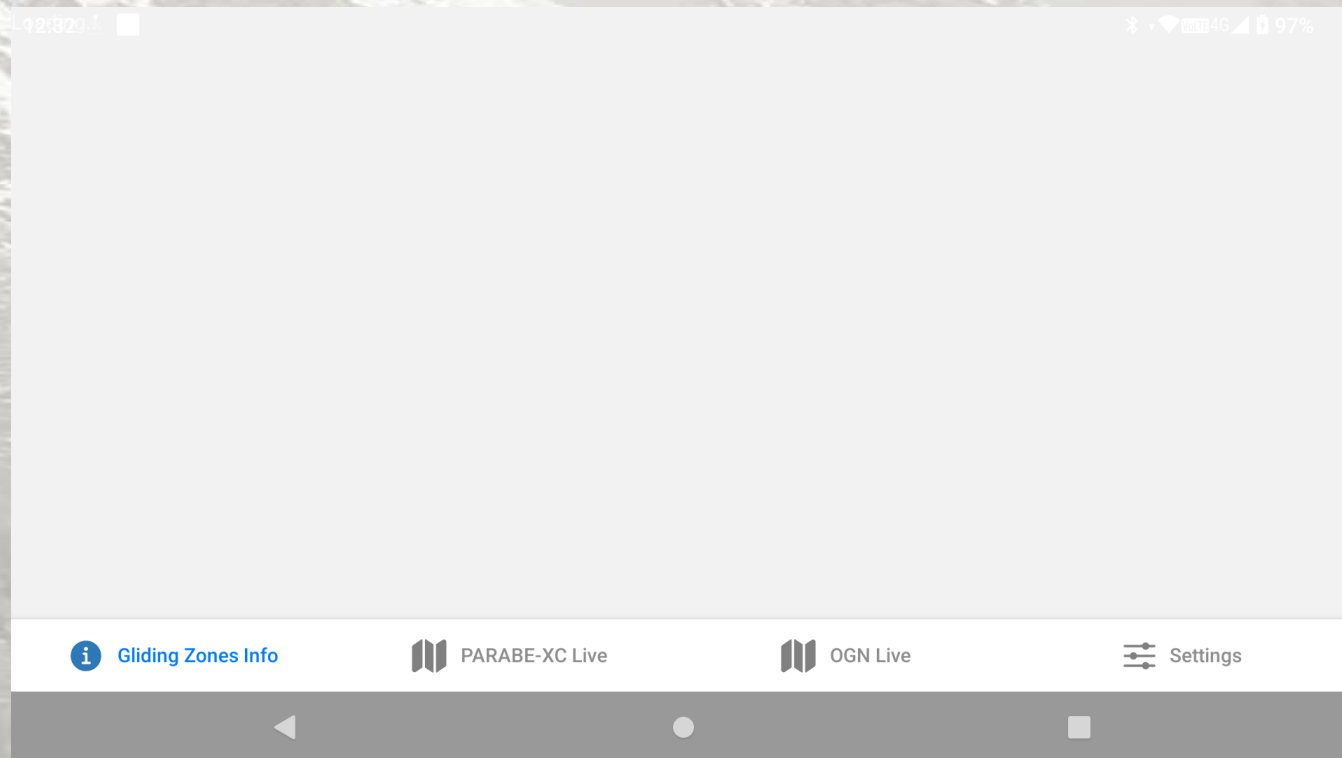
Google play:

<https://play.google.com/store/apps/details?id=be.ebsh.tower>

ANDROID 8.1 and above



Open the app...



→ Go to settings...

First step: register

12:32 100%
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: 20260216v1
App Token: rg_C
This app does not have access.
Complete your full name below:

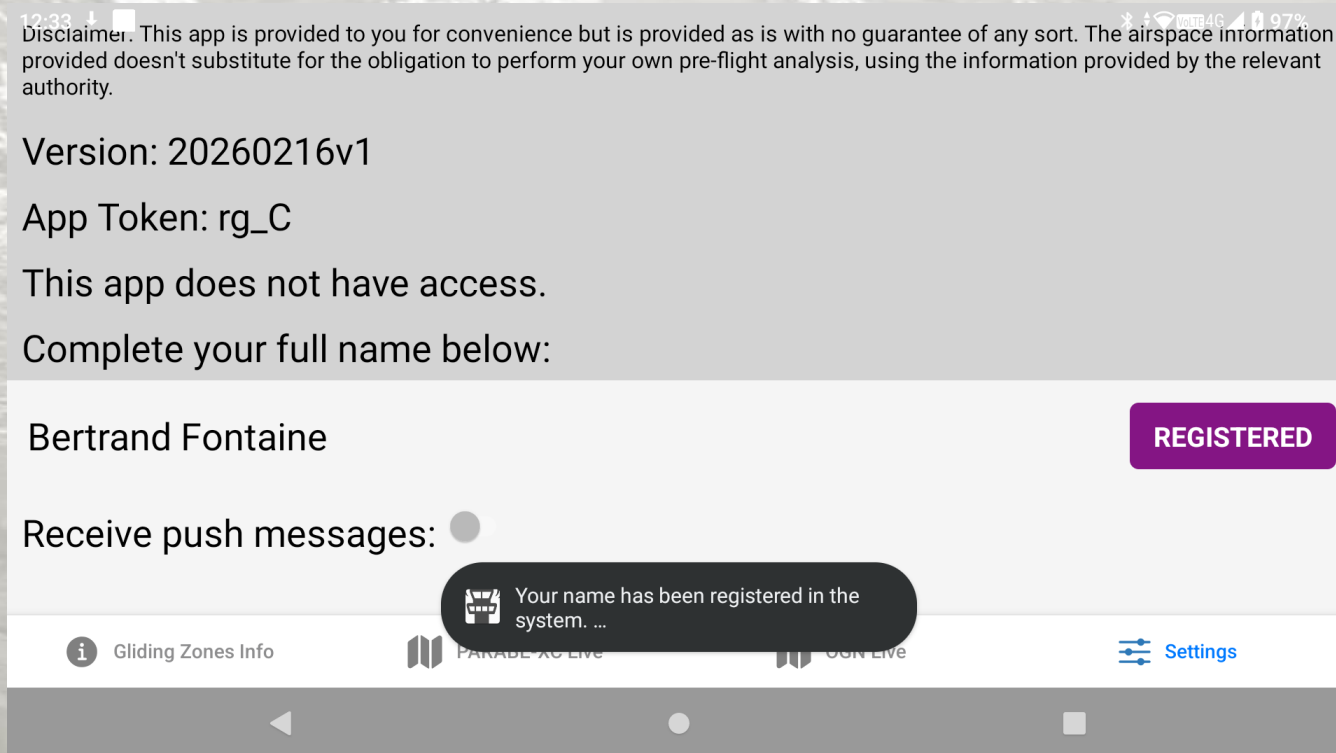
Your Name [Register](#)

Receive push messages: ☐

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

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

First step: register



→ Wait for confirmation on the server side...

First step: register

12:35
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: 20260216v1

App Token: rg_C

This app has access!

Complete your full name below:

Bertrand Fontaine

REGISTERED

Receive push messages: ☒

 Gliding Zones Info

 PARABE-XC Live

 OGN Live

 Settings

LFA-Golf status information for all!

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

The screenshot shows the EBSH Tower mobile application interface. At the top, there's a black header bar with the text "EBSH Tower" in white. Below the header, a grey status bar displays "Last Update: No update available today." followed by "Gliding Zone". The main area features a large map, which is currently blank or faded. A bottom navigation bar contains four icons: a blue circle with an 'i' labeled "Gliding Zones Info", a book icon labeled "PARABE-XC Live", another book icon labeled "OGN Live", and a settings icon labeled "Settings". On the right side, there's a vertical black sidebar with three white navigation symbols: a square at the top, a circle in the middle, and a triangle at the bottom.

→ 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

Messages (TAP TO CONFIRM MESSAGE)

2/17/2026, 12:36:32 PM

Test message with confirmation

(*) with push messages « ON »

Receive push messages: ☒

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

Last update: 2/17/2026, 12:12:40 PM

Gliding Zone	TMZ	FL	Open	Close
GA Malmedy	ACT	65	11:00	- 18:2
GA La Roche	ACT	65	11:00	- 18:2
GA St. Hubert	ACT	65	11:00	- 18:2

Messages

2/17/2026, 11:59:00 AM

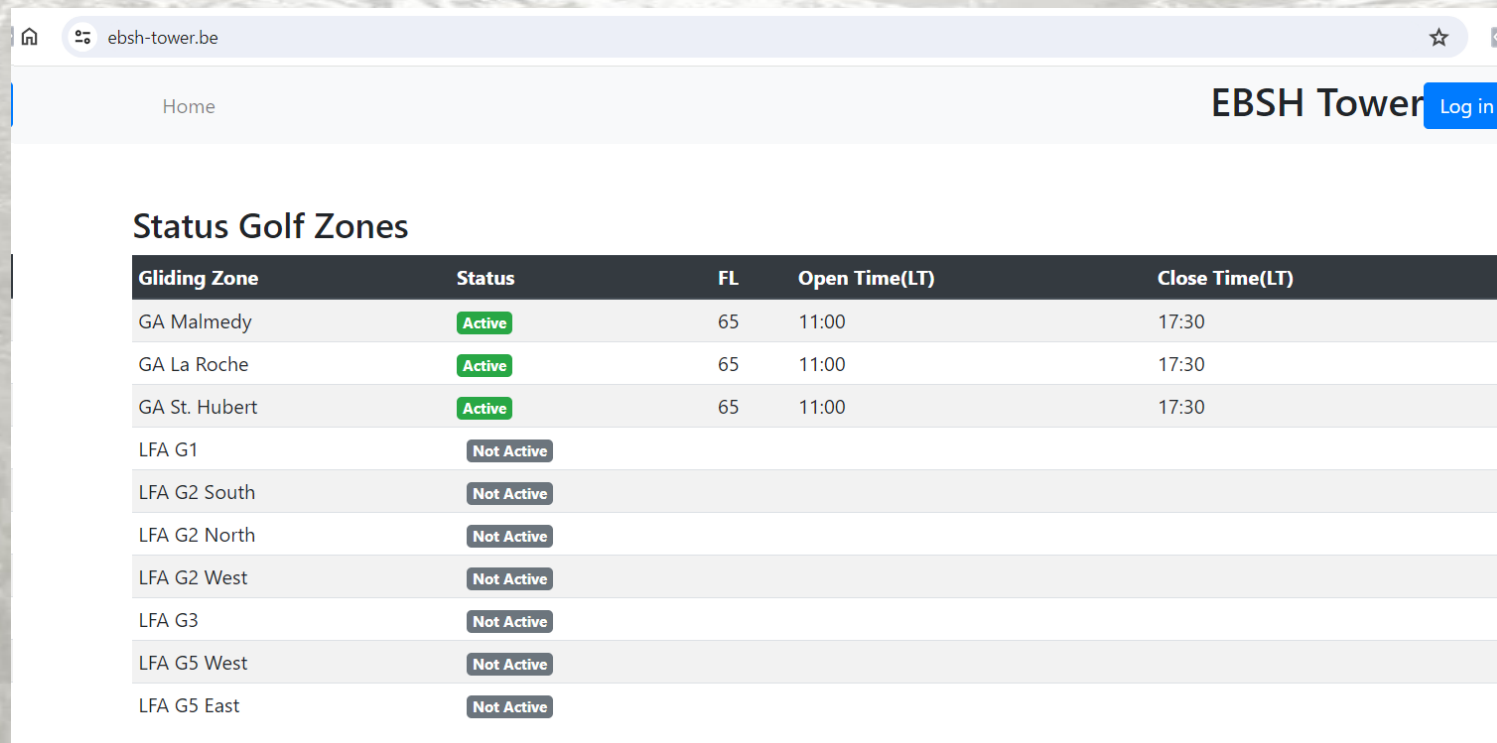
test message

[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...

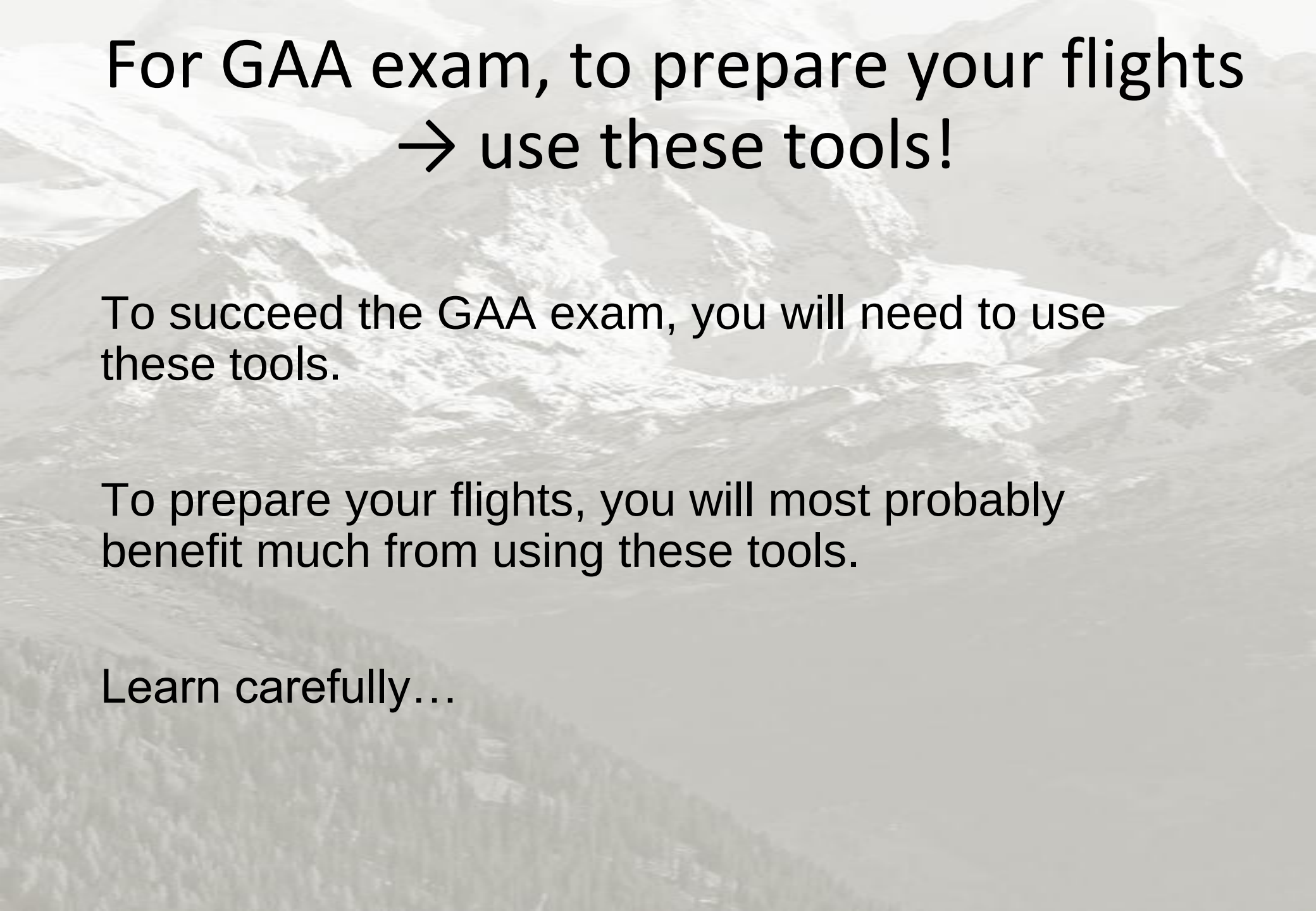


The screenshot shows a mobile browser interface for the website 'ebsh-tower.be'. The page has a 'Home' link and an 'EBSH Tower' header with a 'Log in' button. The main content is titled 'Status Golf Zones' and displays a table with the following data:

Gliding Zone	Status	FL	Open Time(LT)	Close Time(LT)
GA Malmedy	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](https://airspace.xcontest.org)
 - TDD Task Manager
 - Skeyes – AIP – Notams
 - Livetracking: XCTrack/Xcontest and Flymaster
- XC reminder
 - Altimetry
 - Airspaces
 - LFA Golf



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

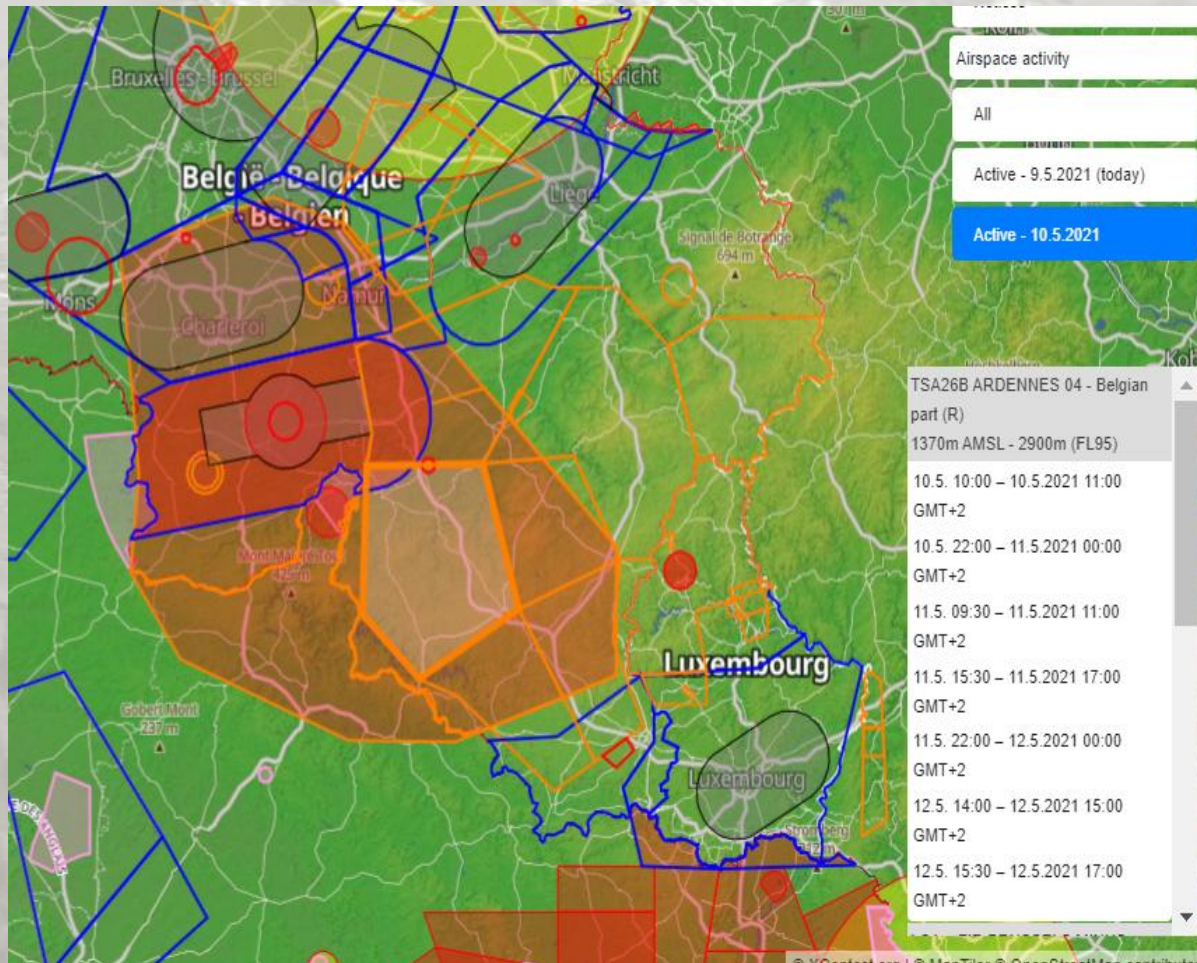
To succeed the GAA exam, you will need to use these tools.

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

Learn carefully...

Airspace.xcontest.org

Airspace according to AIP & notams



- Airspace in real time!
- Source for TDD Task Manager & 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 /045/095/5010N0455E039

A) EBBU

B) 2105100000

C) 2105121500

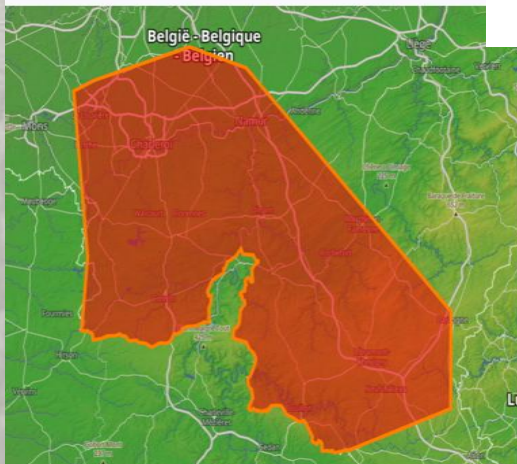
D) 10 0800-0900 2000-2200, 11 0730-0900 1330-1500 2000-2200, 12 1200-1300 1330-1500

E) EBTSA26B 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

Countries / Belgium, Luxembourg / Airspace 2020



Upper limit

Lower limit

Categories

Airspace type

Line color

Fill color

Expert email

ALUP link name

Activation times

Foreign airspace ISO

Description

Enable editor

FL = 9500

AMSL = 4500

☒ Free flying ☐ Powered flying

Restricted ☐ Glider areas ☐ Warning only ☐ Obstacle ☐ Alert

Solid ☐ rgb(255,128,0)

Default

TSA26B

Add 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 ACTIVE

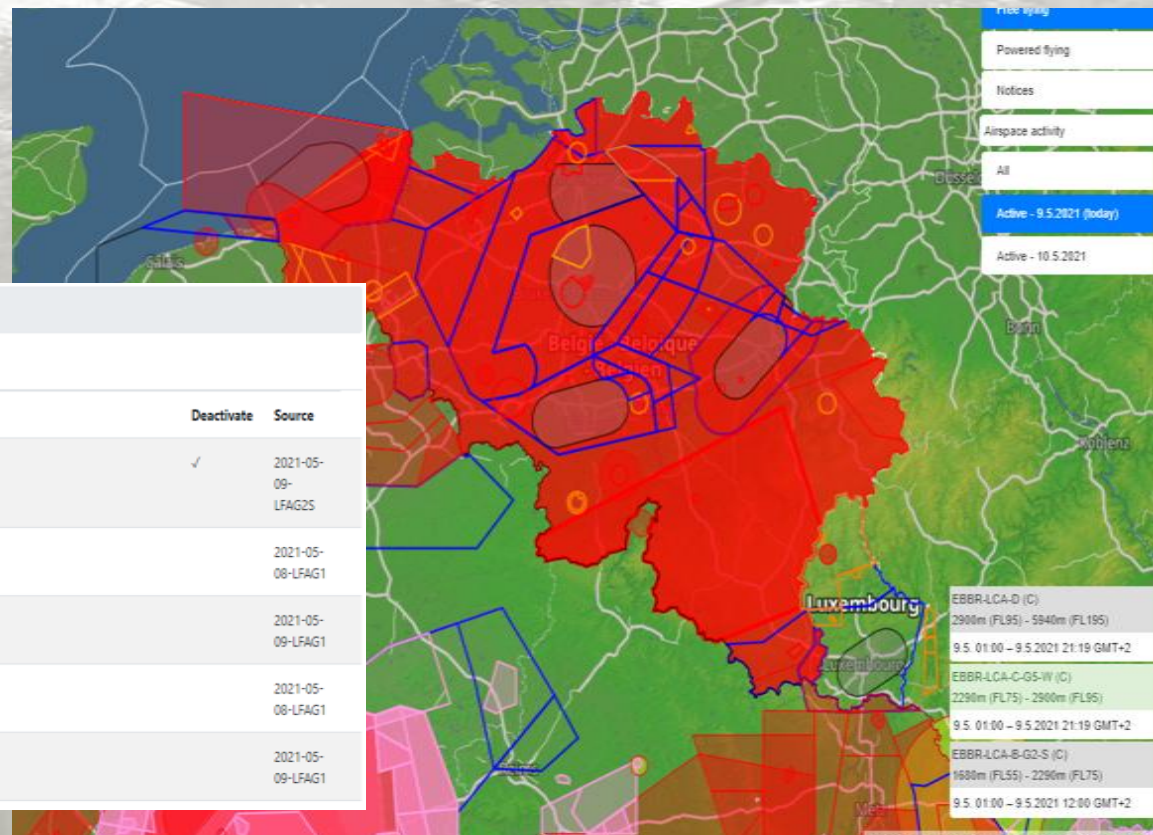
Low Flying Area GSW is NOT ACTIVE

Low Flying Area GSE is NOT ACTIVE

Countries / Belgium, Luxembourg / AUPs

Automatic Overrides Operations Validity Processed NOTAMS

AUP link	Validity	Time spec	Deactivate	Source
EBBR-CTA-S3	9.5. 12:00 - 9.5.2021 21:19 GMT+2		✓	2021-05-09-LFAG25
EBBR-LCA-A-C	8.5. 01:00 - 8.5.2021 21:18 GMT+2			2021-05-08-LFAG1
EBBR-LCA-A-C	9.5. 01:00 - 9.5.2021 21:19 GMT+2			2021-05-09-LFAG1
EBBR-LCA-A-E	8.5. 01:00 - 8.5.2021 21:18 GMT+2			2021-05-08-LFAG1
EBBR-LCA-A-E	9.5. 01:00 - 9.5.2021 21:19 GMT+2			2021-05-09-LFAG1



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 by default. However, the zones are available within XCTrack. Go to Preferences/airspace/Activate , type GAA in the search field and you will see the 3 GAA. Click on the zone and select for example “Active for today”.

TDD Task Manager : how to use it?

<https://tdd.fly-air3.com/taskmanager>

- 1: Select a cup that includes Belgium
- 2: Select the date
- 3: Play with the Airspace tools to display/hide zones

The screenshot displays the AIR3 TDD Cup Task Manager interface. The top navigation bar includes links for Welcome, Cups, Live, Track Analyser, Scores, Overall, and a user profile for Bertrand Fontaine. The main interface is divided into a left sidebar and a central map area.

Left Sidebar:

- AIR3 TDD Cup TASK MANAGER**
- AIR3 TDD CUP**: A dropdown menu showing "AIR3 Belgian TDD CUP 2026 (Airspace: ●)".
- TASK**: A dropdown menu with the option "Select a task to edit".
- TASK TYPE**: Two buttons, "TDD" (selected) and "Classic".
- AIRSPACE**: A section with a date selector "2026-08-21" and a "Select another date" button. Below this is a "Max alt: No limit" slider and a "ft" unit selector.
- Flight Restrictions**: Three buttons: "Restricted" (selected), "Danger", and "Free flight".
- Map Controls**: Buttons for "Hide All", "Add zones", and "Export OA".

Central Map Area:

- The map shows a region of Belgium with various task zones highlighted in blue. These zones are labeled with names like "PRAYON NE", "ANDENNE NE", "DAMNET-HOME No Go", "MEERFELD ESE", "RACHTIG ESE", and "WILTZ".
- Each zone is associated with a number of tasks, indicated by a blue circle with a white number (e.g., "2 tasks", "3 tasks", "5 tasks").
- A red line indicates the "Max alt: No limit" boundary.
- A red arrow points to the "AIR3 TDD CUP" dropdown menu.
- A red arrow points to the "Select another date" button.
- A red arrow points to the "Max alt: No limit" slider.

Right Panel:

- A legend for map styles: "Street" (selected), "Hybrid", and "Topo".
- A legend for map features: "Thermals", "Skyways", "Waypoint", "Airspace" (selected), and "Ruler".

TDD Task Manager : how to use it?

- 4: Click on a zone to hide it
- 5: Click on « Add zones » to display the right sidebar
- 6: Click on Belgium to list all available zones

The screenshot displays the AIR3 TDD Cup Task Manager interface. The top navigation bar includes links for Welcome, Cups, Live, Track Analyser, SCORES, OVERALL, a user profile (air3.21001), Logout, and a language selector (FR). The left sidebar contains sections for AIR* TDD CUP, TASK, TASK TYPE (with TDD selected), and AIRSPACE. The main area features a map of Belgium with a task overlay for 'GAA SAINT-HUBERT' and a '3 tasks' indicator. The right sidebar is titled 'ADD ZONES' and includes a 'BE Belgium' button, a 'Local file' button, a search bar, and a list of zones. Red arrows point to the 'BE Belgium' button, the 'Hide this zone' button in the task overlay, and the 'Hide sidebar' button in the left sidebar.

AIR3 TDD Cup TASK MANAGER

Navigation: Welcome, Cups, Live, Track Analyser, SCORES, OVERALL, air3.21001, Logout, FR

AIR* TDD CUP

AIR* Belgian TDD CUP 2026 (Airspace: ●)

TASK

— Select a task to edit —

Hide task badges

TASK TYPE

TDD Classic

AIRSPACE

● BE_FR_DE · 2026-08-21 · 2488 zones · JSON

Select another date

Max alt: No limit

Restricted Danger Free flight

Hide All Hide sidebar

Export OA

ADD ZONES

BE Belgium Local file

Search zones...

QNH EBCI 1010 hPa

FL55 1 649 m

FL65 1 954 m

FL75 2 259 m

A_GAA LA ROCHE EB_

A_GAA MALMEDY EB_

A_GAA SAINT-HUBER_

A_LFA G1

A_LFA G2 N

A_LFA G2 S

A_LFA G2 W

A_LFA G3 Verviers

A_LFA G5 E

A_LFA G5 W

BRUSSELS CTA SOUT_

BRUSSELS CTA SOUT_

GAA SAINT-HUBERT GAA Certificate Required

Class: R

Upper: 6500 ft

Lower: 4500 ft

Activations:

Fri, 21 Aug 2026 09:00 UTC + Fri, 21 Aug 2026 16:30 UTC

Hide this zone

Map controls: Street, Hybrid, Topo, Thermals, Skyways, Waypoint, Airspace, Ruler

TDD Task Manager : Prepare your flight

The screenshot displays the TDD Task Manager web application. The top navigation bar includes the 'AIR³ TDD Cup TASK MANAGER' logo, a 'Welcome' button, and tabs for 'Cups', 'Live', 'Track Analyser', 'SCORES', and 'OVERALL'. A user profile 'air3.21881' and a 'Logout' button are also present.

The left sidebar contains several sections:

- Classio:** Turnpoints in list order
- AIRSPACE:** A section for selecting a date (2026-08-22) and zones (2225 zones - JSON). It includes a 'Select another date' button, a 'Max alt: No limit' slider, and buttons for 'Restricted', 'Danger', and 'Free flight'. There are also 'Show All', 'Add zones', and 'Export OA' buttons.
- WAYPOINT LIBRARY:** A section with a 'Load .wpt file & open library' button.
- TASK WAYPOINTS:** A list of waypoints including 'RIVIÈRE' (182m, TAKEOFF), 'COUR...' (266m, 1000m, 888), 'HANN...' (110m, 1000m, TP1), and 'BRU...' (54m, 1000m, GOAL).
- LAND BY (LOCAL TIME):** A section for setting the landing time.

The main area features a map of Belgium with a flight route highlighted in orange. A red arrow points to a 'Waypoint' button in the bottom right corner of the map. Another red arrow points to the 'Load .wpt file & open library' button in the Waypoint Library section. A third red arrow points to a 'Waypoint' button in the bottom right corner of the map.

- 1: Click on Waypoint to change the mouse click mode
- 2: Click on the map to add turnpoints and create the route
- 3: Click Load .wpt to add turnpoints from a database

TDD Task Manager : Prepare your flight

The screenshot displays the TDD Task Manager web application. The left sidebar contains navigation and task configuration options:

- AIR³ TDD Cup TASK MANAGER**
- Buttons: Welcome, Cups, Live, Track Analyser, SCORES, OVERALL, air3.21001, Logout
- AIR' TDD CUP**
 - AIR' Belgian TDD CUP 2026 (Airspace: ●)
 - TASK**
 - Select a task to edit -
 - Show task badges
 - TASK TYPE**
 - TDD
 - Classic
 - Classic: Turnpoints in list order
- AIRSPACE**
 - BE_FR_DE · 2026-08-22 · 2225 zones · JSON
 - Select another date
 - Max alt: No limit
 - Restricted, Danger, Free flight
 - Show All, Add zones, Export OA
- WAYPOINT LIBRARY**
 - Load .mpt file & open library

The main map view shows a geographical area with various features:

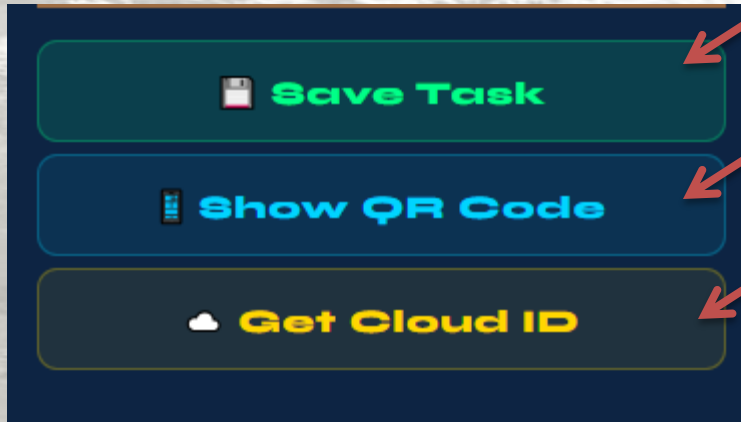
- Map controls: Zoom in (+), zoom out (-), map style selector (Street, Hybrid, Topo).
- Overlay menu: Thermals, Skyways, Waypoint, Airspace, **Ruler** (highlighted with a red arrow).
- Map labels: Wépion, N947, N951, N92, Profondeville, Lustin, Annevoie, Godinne, Mont, Courrière, Sart-Bernard, Nanninge, Wierde, Mozet, Lovers.
- Information box: RIVIÈRE Type: TAKEOFF
- Measurement overlay: 59°, 10.24 km, Classic: 48.52 km
- Footer: Leaflet | © OpenStreetMap contributors

4: Click on Ruler to change the mouse click mode

5: Click on the map to calculate distances and bearing

6: Check distance

TDD Task Manager : Prepare your flight



once your planned route is ready, send it to your flight device:

- As a xctsk file
- Through a QR code
- Through a Cloud code.

TDD Track Analyser : Tracklog check

Check if your flight complies with Airspace rules

The screenshot displays the AIR3 TDD Cup Track Analyser web application. The interface is divided into a left sidebar and a main map area.

Left Sidebar:

- Header:** AIR³ TDD Cup TRACK ANALYSER. Navigation buttons: Welcome, Cups, TASK MNGR, LIVE, SCORES, OVERALL. User: air3.21001. Logout. FR.
- Load .igc file:** GPS flight track.
- Flight Data:** 2026-08-08-XCT-BF0-10.1gc · 18740 GPS pts. IGC signature valid (FAI).
- AIR³ TDD CUP:** AIR³ Belgian TDD CUP 2026.
- TASK:** Revin SE — auto-detected. BE_FR_DE · 2026-08-08.
- WAYPOINTS:** +
- PILOT:** Bertrand Fontaine. 08/08/2026.
- XCONTEST-TYPE SCORE:** Auto-calculated 101.63. 101.63 km.

Main Map Area:

- Map:** A map of Belgium showing a flight track (orange line) and various airspace boundaries (red and orange lines). Key locations include Valenciennes, Maubeuge, Charleroi, and Sedan.
- Map Controls:** Zoom in (+), zoom out (-), map type selector (Street, Hybrid, Topo), and a toolbar with Airspace, Ruler, and Tracklog tools.
- Map Features:** Several green circles with checkmarks indicate compliance with airspace rules. A blue circle with a cross indicates a non-compliance point near Fourmies.

Leaflet | © OpenStreetMap contributors

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 RADIO NAVIGATION AIDS / SYSTEMS
 - ENR 5 NAVIGATION WARNINGS
 - ENR 6 EN-ROUTE CHARTS
- Part 3 AERODROMES (AD)
 - AD 0 INTRODUCTION
 - AD 1 AERODROMES/HELIPORTS - INTRODUCTION
 - AD 2 PUBLIC AERODROMES
 - AD 2 PRIVATE AERODROMES
 - AD 2 ULM AERODROMES
 - AD 2 MILITARY HELIPORTS
 - AD 3 HOSPITAL HELIPORTS
 - AD 3 PRIVATE HELIPORTS
 - AD 3 PERSONAL HELIPORTS

eAIP
BELGIUM & LUXEMBOURG

Consult NOTAM for latest information

AIM Belgium

Information on this eAIP Package

AMDT 007/2021

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

LOGIN

PTB 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 PTB must be made for each flight using the PTB tools provided.

5/8/2021 6/8/2021

Daily warnings PTB text

Daily warnings chart (PDF)

Interactive daily warnings chart

Contact:

AIM Belgium
Control Tower
Tervuursesteeweg 303
1820 Steenokkerzeel
BELGIUM
AFIS: EBVAVOYX
Email: aip.production@skeyes.be
URL: <https://ops.skeyes.be>

AIP Supplement Belgium and Luxembourg



GLIDER AREAS ARDENNES 2024

SUP
007/2024

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

Get used to find info!

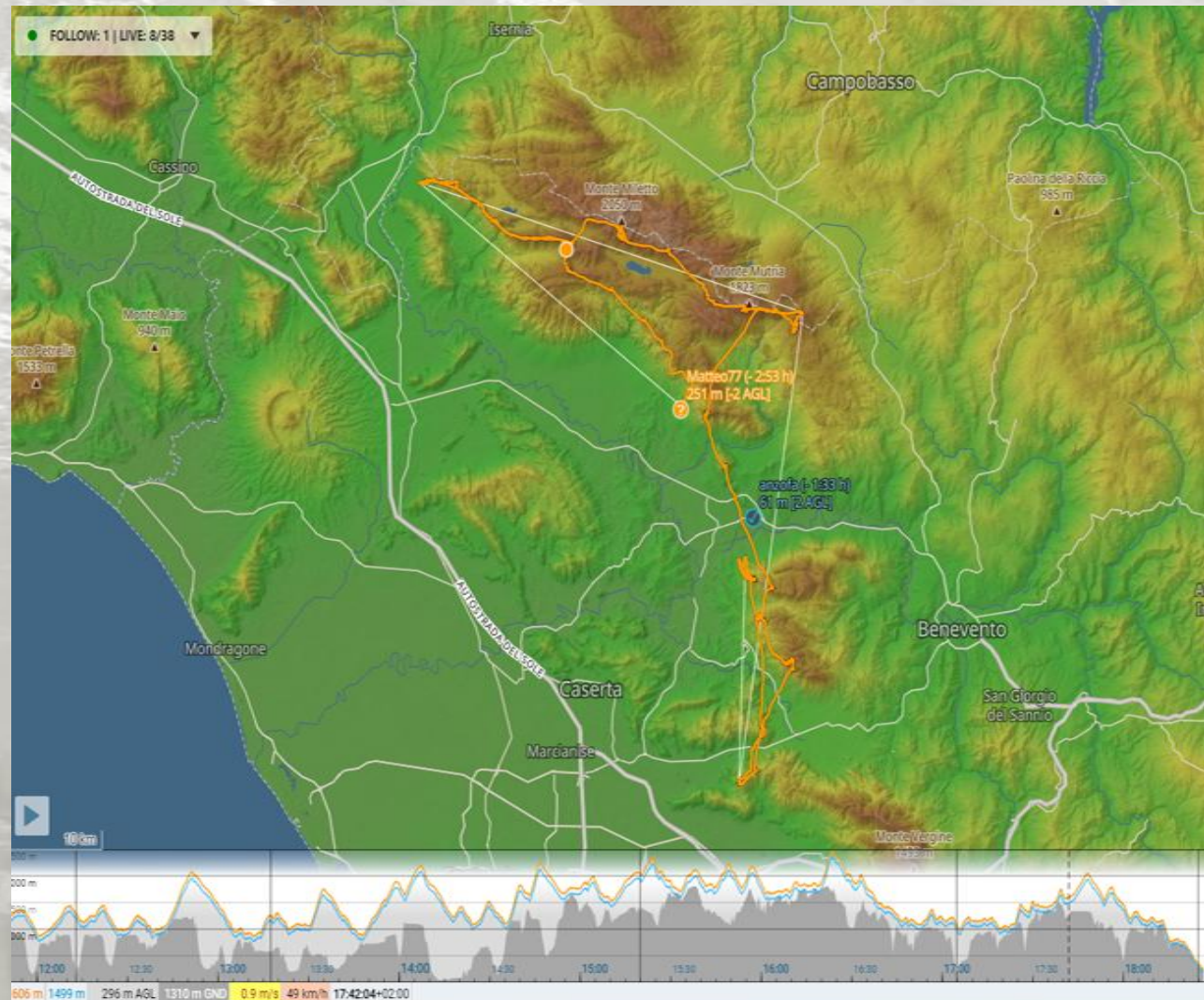
TIP: Google search:
« Skeyes + keywords »



CTRL + F: to search within a
page!

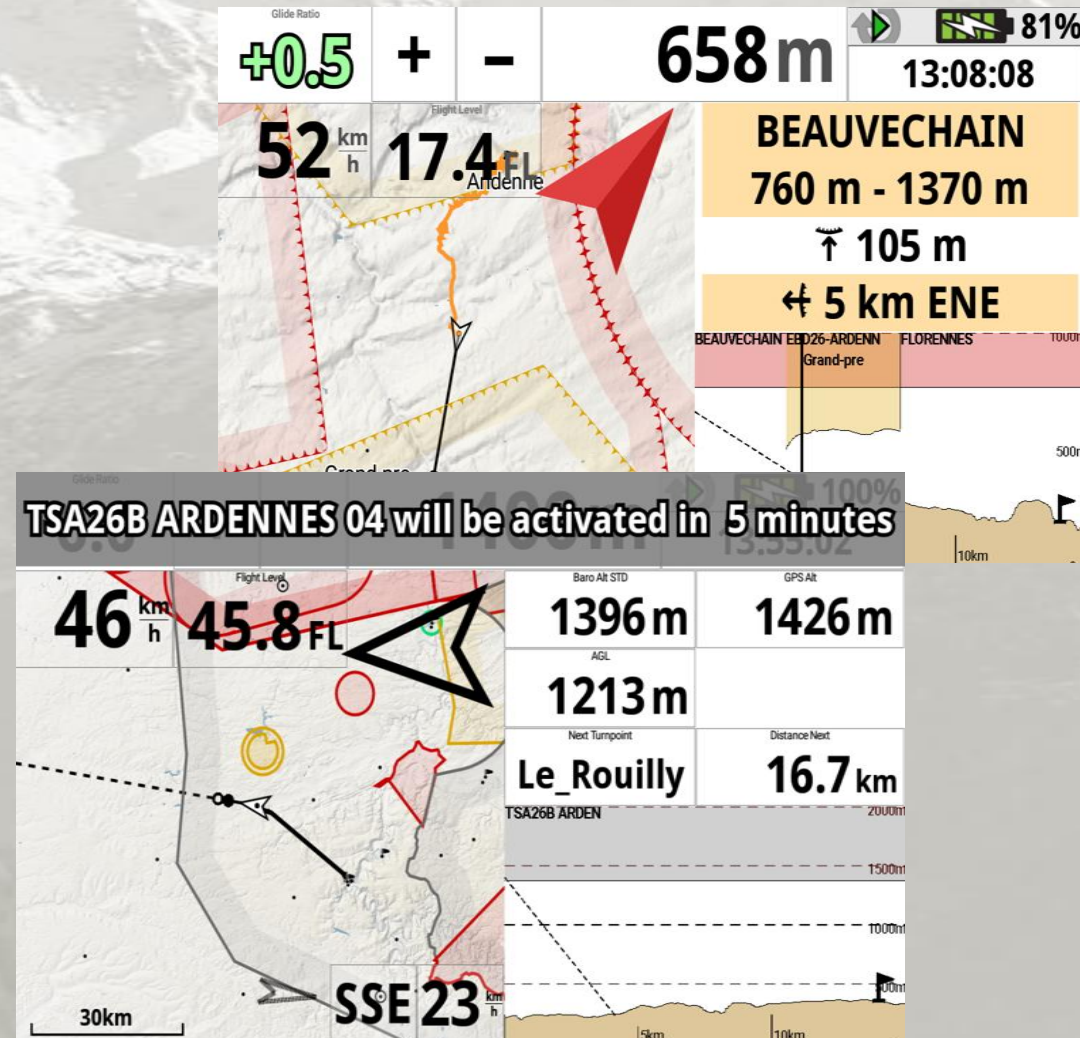
Livetracking: XCTrack/Xcontest - Flymaster

- *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*



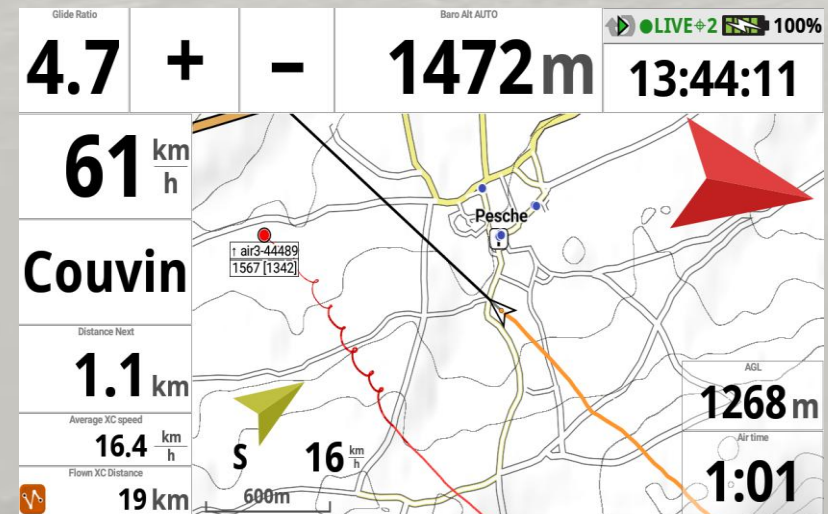
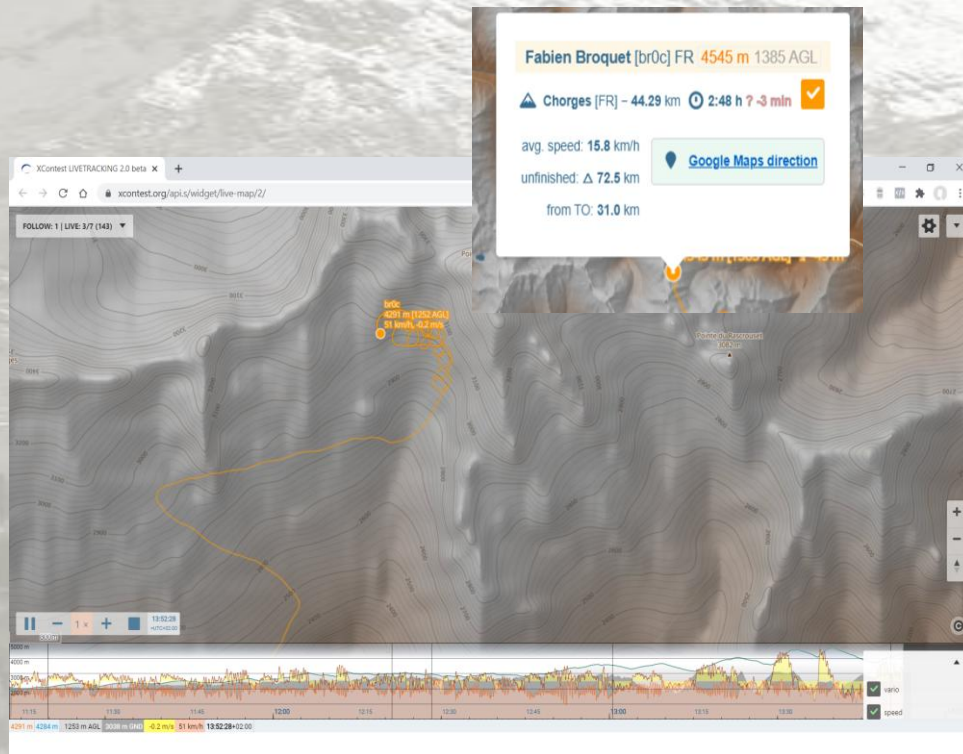
XCTrack (Pro): Flight instrument with advanced Airspace features

- *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
 - 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](https://airspace.xcontest.org)
 - TDD Task Manager
 - Skeyes – AIP – Notams
 - Livetracking: XCTrack/Xcontest and Flymaster
- XC reminder
 - Altimetry
 - Airspaces
 - LFA Golf

XC Reminder – Altimetry: 3 different altitudes

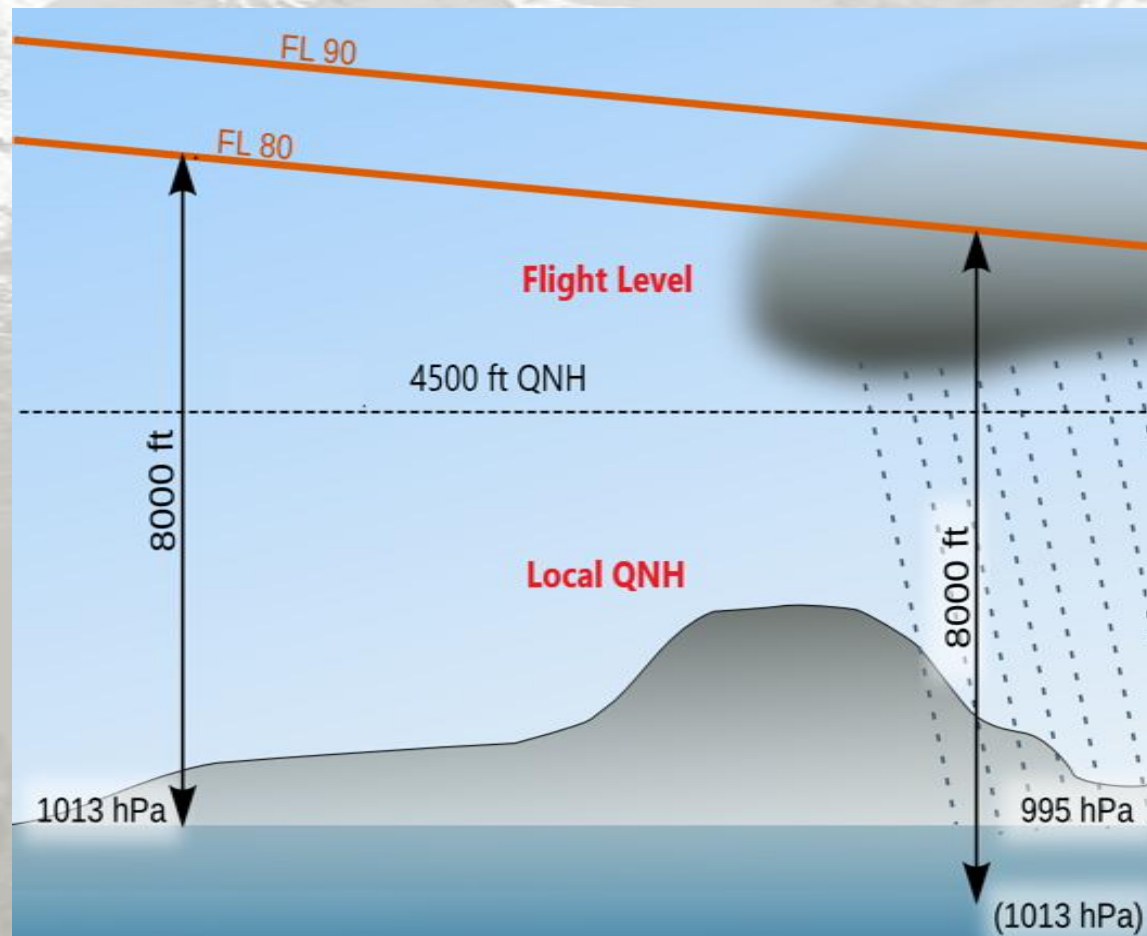
- **QNH** : Barometric altitude based on the MSL pressure (hPa) in a specific place. Right altitude if correctly set.
- **FL (QNE)**: Barometric altitude provided by the pressure altitude based on 1013,25 hPa. Unless the QNH is 1013.25 hPa, this Standard altitude is not the same as the altitude based 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 **A**lpha to **G**olf 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
C	IFR	IFR from IFR IFR from VFR	ATC service	not applicable	yes	yes	yes
	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)	250 KIAS below FL 100	yes	yes	yes
	VFR	NIL	ATC service includes traffic information about VFR flights (and traffic avoidance advice on request)	250 KIAS below FL 100	yes	yes	yes
E	IFR	IFR from IFR	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**: **D**anger

Zone with potential dangers for crossing aircraft (keep sharp look-out!)

- **R**: **R**estricted

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

- **P**: **P**rohibited

Forbidden access zone!

- **TMZ**: **T**ransponder **M**andatory **Z**one (forbidden for paragliders)
- **RMZ**: **R**adio **M**andatory **Z**one (forbidden for paragliders)
- **ATZ**: **A**irfield **T**raffic **Z**one (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 (most of the time Week-end)
 - **G1**: 4500ft^{QNH} – FL55. When MIL is not active
 - **G2**: FL55 – FL 75. When Gliders are requesting it
 - **G3**: FL55 – FL65: can be active during the week!
 - **G5**: FL75 – FL95.

LOW FLYING AREA GOLF THREE ⁽¹⁾

Lateral limits	Vertical limits	Type of restriction / nature of hazard	Time of activity
503053N 0053725E - 503343N 0055152E - 503420N 0055956E - 501955N 0055956E - 501324N 0060343E - 501011N 0060832E - along the Belgian-German border - 500748N 0060816E - along the Belgian-Luxembourg border - 500426N 0055210E - 502810N 0053819E - 503053N 0053725E. ⁽²⁾	FL065 / 4500 FT AMSL	Glider activity.	HX ⁽³⁾

⁽¹⁾ Airspace class G during activation. Activation can only be refused for motivated operational reasons.

⁽²⁾ Excluding Reserved or Segregated areas (TRA/TSA), the activation as announced by NOTAM.

⁽³⁾ HJ only. Brussels ACC will release Low Flying Area Golf Three on request of EBTX with 30MIN prior notice to be addressed to the Brussels ACC Supervisor. EBTX shall inform the Brussels ACC Supervisor of the end of the activity. During MIL activity, Brussels ACC will inform MIL ATC of activation of Low Flying Area Golf Three. Activation can be checked with Brussels FIC on FREQ 126.900MHZ or TEL +32 (0) 2 206 29 49.

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

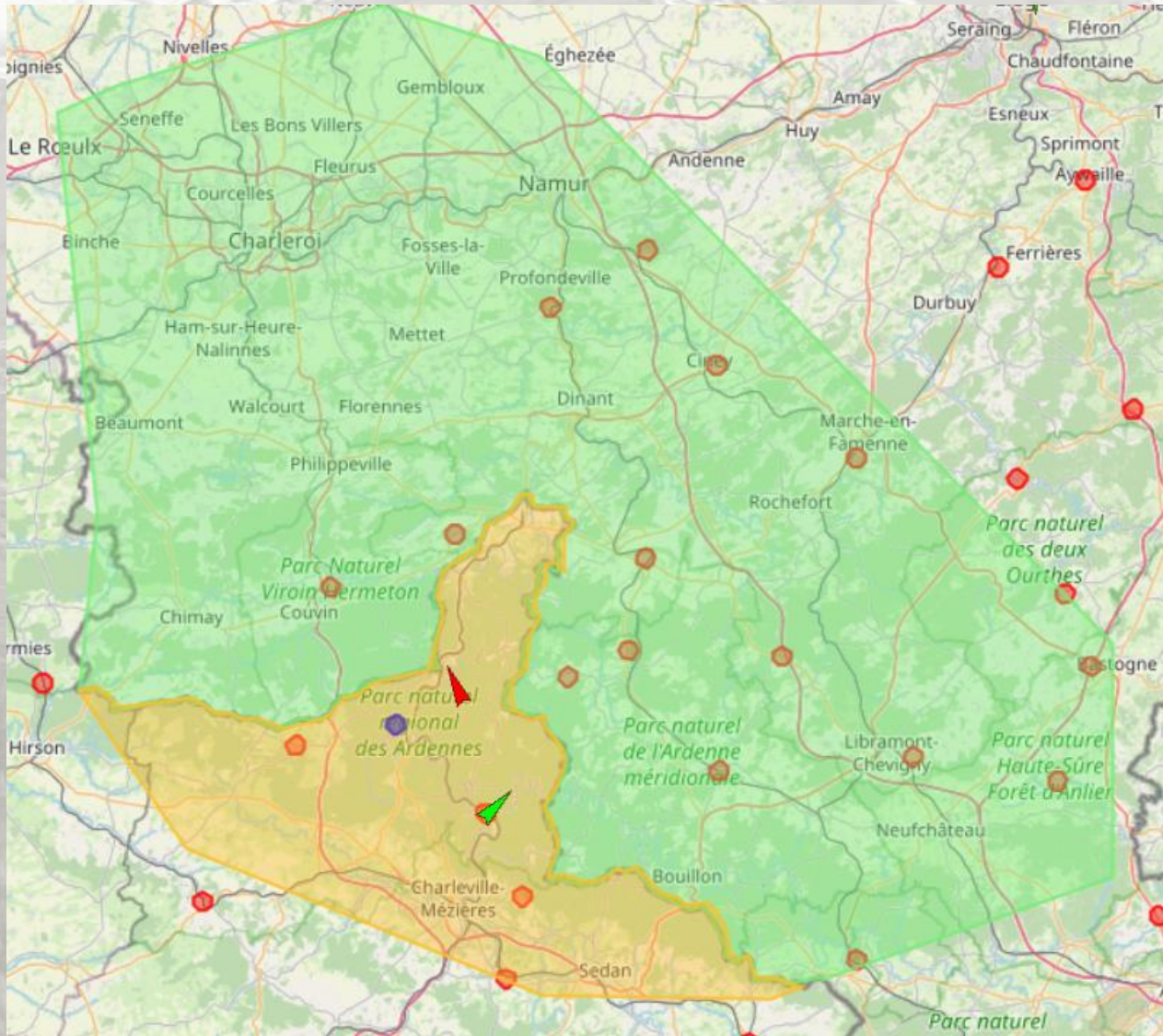
AMSL(m)	FL																											
QNH (hPa)	35	40	45	50	55	60	65	70	75	80	85	95	100	105	110	115	120	125	130	135	140	145	150	155	165	175	190	195
990	868	1021	1173	1326	1478	1630	1783	1935	2088	2240	2392	2697	2850	3002	3154	3307	3459	3612	3764	3916	4069	4221	4374	4526	4681	5136	5593	5745
991	877	1029	1182	1334	1487	1639	1791	1944	2096	2249	2401	2706	2858	3011	3163	3315	3468	3620	3773	3925	4077	4230	4382	4535	4689	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	4696	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	4705	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	4713	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	4721	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	4729	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	4738	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	4747	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	4755	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	4764	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	4772	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	4781	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	4790	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	4798	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	4807	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	4815	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	4824	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	4832	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	4841	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	4850	5306	5763	5916
1011	1048	1200	1352	1505	1657	1810	1962	2114	2267	2419	2572	2876	3029	3181	3334	3486	3638	3791	3943	4096	4248	4400	4553	4705	4858	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	4867	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	4875	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	4884	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	4892	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	4901	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	4909	5366	5823	5976
1018	1107	1260	1412	1565	1717	1869	2022	2174	2327	2479	2631	2936	3088	3241	3393	3546	3698	3851	4003	4155	4308	4460	4613	4765	4918	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	4926	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	4935	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	4944	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	4952	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	4961	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	4969	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	4978	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	4986	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	4995	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	4999	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	5008	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	5017	5477	5934	6087

IMPORTANT
TOOL FOR
GAA EXAM!



Higher the
pressure,
higher the
corresponding
altitude for a
given FL!

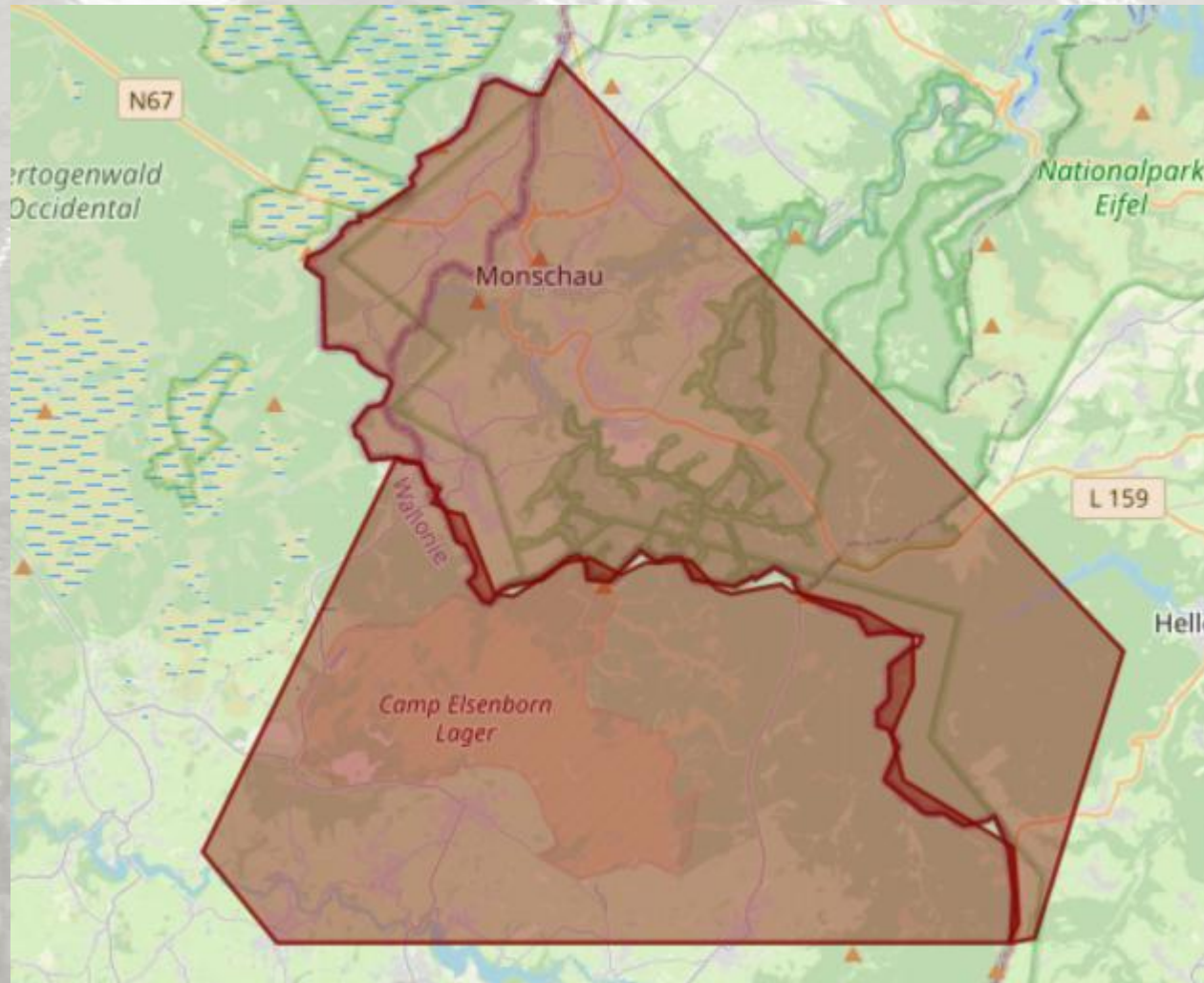
XC Reminder – Significant zones: TSA-26B (4500ft AMSL) & LFCBA 16B (FL65)



Important to know for
GAA EXAM

LFCBA16B is the
french sister of the
TSA26B. Active when
TSA26B is active.

XC Reminder – Significant zones: EBR04 & ED R117



Important to know for
GAA EXAM

EDR117 is the
german sister of the
EBR04. Active when
EBR04 is active.

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

Before the flight

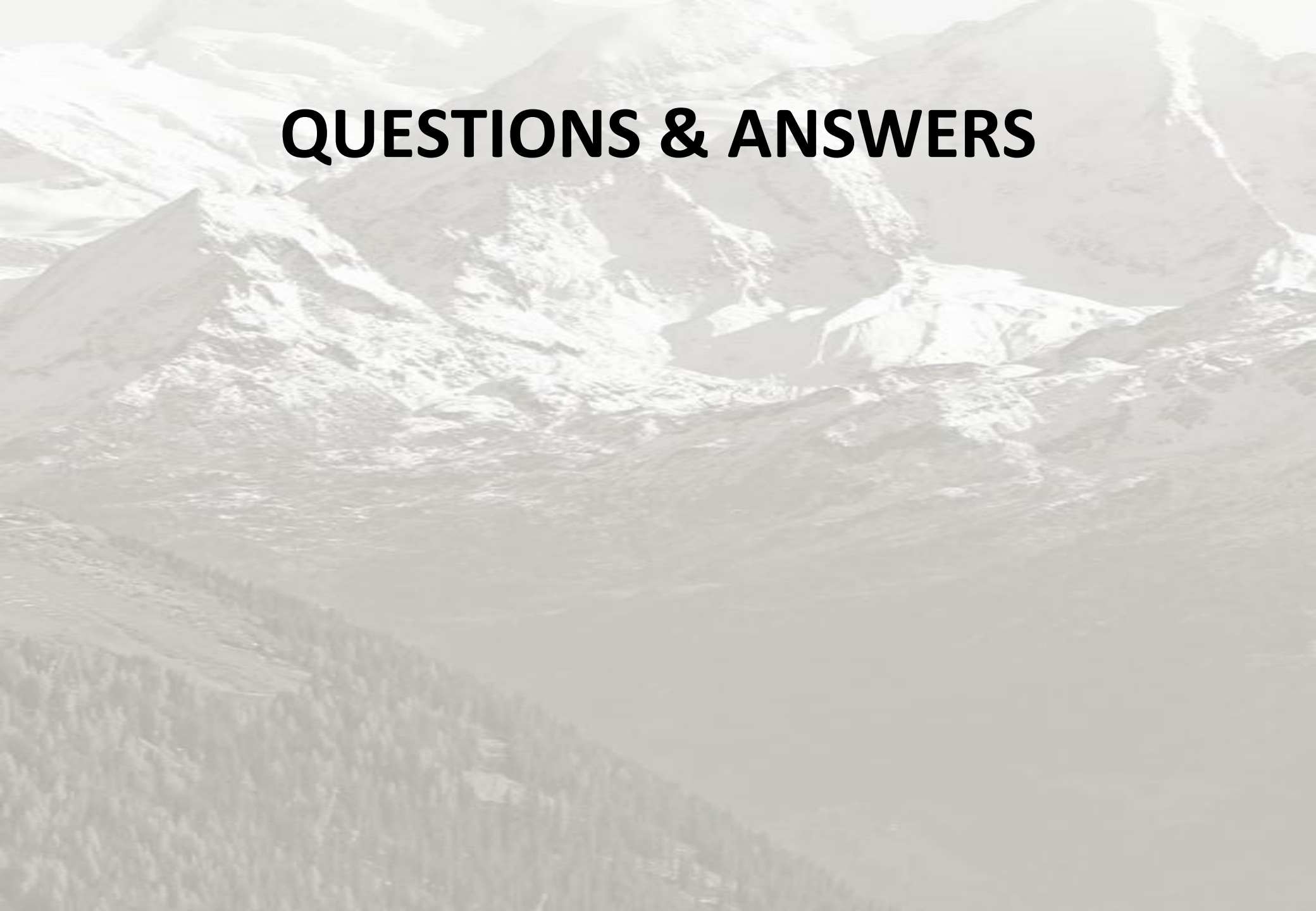
- Always fly with Livetracking
- Purchase a radio able to listen to EBSH
- Get an Android device to run EBSH-tower app
- Have received the GAA certificate number from FBVL
(Charter signed, exam succeeded, other conditions met)

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

A grayscale photograph of a mountain range. The foreground shows a steep, forested slope. In the middle ground, there are several mountain peaks, some of which are covered in snow. The background features more distant, snow-covered mountain ranges under a clear sky. The overall scene is a high-altitude alpine environment.

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.

GAA-XC Examen 2026

Date: Nom du pilote:

J'utilise le Livetracking pour tous mes vols:

Depuis

Type: Flymaster – Xcontest/Xctrack

Identifiant:

Utilisation d'une radio permettant de capter la tour EBSH (122,180)

Marque/modèle:

EBSH Tower app installée et enregistrée ☐

Le candidat doit disposer d'un ordinateur connecté à Internet. L'objectif est de vérifier que le pilote est capable de préparer son vol, de trouver les informations nécessaires, de les comprendre et de les garder à l'esprit pendant le vol.

Signature du pilote

Questions (1)

A/ Quelle est l'heure locale théorique (**selon l'AIP**), pendant les heures d'activité thermique, à laquelle je peux décoller des 7 Meuses et monter jusqu'à 1 000 m au-dessus du niveau de la mer, vertical déco les 30/08/2026, 01/09/2026, 03/09/2026 et 05/09/2026 ?

30/08/2026	01/09/2026	03/09/2026	05/09/2026

B/ Quelle est la zone d'espace aérien en France qui est active lorsque le TSA26B est en service ?

C / Quelle est l'altitude maximale exacte à laquelle je peux voler à Fumay lorsque le TSA26B est actif ?

D/ Si la TSA26B est active et que les prévisions indiquent une altitude maximale pouvant atteindre 2 000 mètres au-dessus du niveau moyen de la mer (AMSL), quelles conditions devraient être réunies pour atteindre cette altitude maximale prévue ?

E/ Quelles sont les limites verticales de l'EBR41 selon l'AIP ?

F/ Quel est le numéro de téléphone de l'aérodrome de Theux pour connaître l'état de la LFA Golf 3 ?

Questions (2)

A/ Quelle est la distance maximale que je peux parcourir si je souhaite monter à 2 000 m au-dessus du niveau de la mer (AMS) à partir du décollage et effectuer un vol de distance ? La pression QNH est de 1018 hPa. Je souhaite pouvoir atteindre cette altitude maximale à tout moment. Je souhaite voler dans le sens du vent avec un écart maximal de 20° (voir entre parenthèses d'où vient le vent !). La TSA26B est active et perméable au trafic GAA, l'EBR04 est actif, les GAA sont actifs. Mon objectif est de parcourir 120 km. Indiquez 0 (impossible d'atteindre cet objectif), 120 (aucune contrainte) ou le nombre maximal de km à partir du décollage si je suis stoppé à un moment donné de mon projet.

Rachtig (DE) (ESE) :

La Roche (N-NW):

Coo (NW):

Fumay (NW):

Maboge (SSW):

Revin (NE!):

B/ Pourriez-vous indiquer la première zone d'espace aérien mentionnée dans les NOTAM de demain, ainsi que l'horaire en heure locale ? Indiquez la date.

.....

Question (3)

1. NOTAM

1.1. EBBU (BRUSSELS FIR)

1.1.1. EN ROUTE

NIL

1.1.2. WARNINGS

FROM: 17 MAR 2026 13:45 TILL: 17 MAR 2026 21:00 SCHEDULE: 1345-1500 1900-2100 EBR05B - HELCHTEREN RUN-IN ACT Lower limit: 2050FT AMSL Upper limit: 3300FT AMSL	F0796/26
FROM: 17 MAR 2026 09:00 TILL: 17 MAR 2026 15:00 TSA28D-ELSENBORN 05 ACT Lower limit: GND Upper limit: 4500FT AMSL	F0793/26
FROM: 17 MAR 2026 08:00 TILL: 17 MAR 2026 22:00 EBR79E - BEVERLO UAS 40 ACT Lower limit: GND Upper limit: 500FT AGL	F0792/26
FROM: 17 MAR 2026 08:00 TILL: 17 MAR 2026 22:00 EBR79D - BEVERLO UAS 30 ACT Lower limit: GND Upper limit: 500FT AGL	F0791/26
FROM: 17 MAR 2026 10:15 TILL: 17 MAR 2026 16:00 SCHEDULE: 1015-1100 1230-1600 LFA04-ARDENNES 04 ACT Lower limit: 250FT AGL Upper limit: 500FT AGL	F0789/26
FROM: 17 MAR 2026 10:15 TILL: 17 MAR 2026 16:00 SCHEDULE: 1015-1100 1230-1600 LFA03-ARDENNES 03 ACT Lower limit: 250FT AGL Upper limit: 500FT AGL	F0788/26
FROM: 17 MAR 2026 10:15 TILL: 17 MAR 2026 16:00 SCHEDULE: 1015-1100 1230-1600 LFA02-ARDENNES 02 ACT Lower limit: 250FT AGL Upper limit: 500FT AGL	F0787/26
FROM: 17 MAR 2026 10:15 TILL: 17 MAR 2026 16:00 SCHEDULE: 1015-1100 1230-1600 LFA01-ARDENNES 01 ACT Lower limit: 250FT AGL Upper limit: 500FT AGL	F0786/26
FROM: 17 MAR 2026 08:30 TILL: 17 MAR 2026 15:00 SCHEDULE: 0830-1130 1230-1500 HTA10A- COASTAL HELICOPTER TRAINING AREA ACT Lower limit: GND Upper limit: 500FT AGL	F0785/26
FROM: 17 MAR 2026 11:30 TILL: 17 MAR 2026 12:30 EBD26-ARDENNES 05 ACT Lower limit: 1000FT AGL Upper limit: 4500FT AMSL	F0784/26

D'après ces NOTAM, quelles sont les zones actives le 17 mars 2026 à 13 h 15 et 18 h 15, heure locale dans lesquelles je n'ai pas le droit de voler?

1315LT:

1815 LT:

Questions (4)

A1/ Le **03/06/2026**, sur la base de l'espace aérien disponible dans l'outil TDD task manager, QNH : 1010 hPa, GAA actives..., pour chaque site répertorié ci-dessous, indiquez dans la première colonne (Oui ou Non) si je peux effectuer un vol de 70 km (maximum) tout en étant capable de monter **au moins une fois** à une altitude de 1950 m AMSL. Tenez compte d'une variation possible de 30° par rapport au cap annoncé?

A2/ **Pour les deux premiers sites** où il est possible d'effectuer ce vol, répondez aux questions suivantes :

- A21/ Indiquez dans la deuxième colonne s'il est possible de maintenir une altitude de 1 950 m au-dessus du niveau de la mer pendant toute la durée du vol, en partant à la verticale dès le décollage (Oui ou Non)
- A22/ Si la réponse à la question A21 est « Non », indiquez la distance approximative sur laquelle il est possible de maintenir cette altitude (à n'importe quel moment du vol).
- A23/ Indiquez le nom des zones actives susceptibles d'être rencontrées dans un angle de $\pm 30^\circ$ par rapport au cap donné (y compris les zones dangereuses).

	A1	A21	# KM possible A22	Zones à prendre en compte A23
De Rachtig, direction Nord-Ouest				
De Coö, direction Est				
De Maboge, direction Nord-Est				
De Fumay, direction Nord-Est				

B1/ Le 12/08/2026, avec les GAA actives, compte tenu de bonnes conditions de vol et d'un plafond me permettant de monter jusqu'à 2 050 m au-dessus du niveau de la mer (AMSL), QNH : 1 010 hPa, était-il possible de décoller de Revin et d'effectuer un vol de 300 km avec un vent Ouest-Sud-Ouest (prendre un écart possible de vol de 30°), sachant que je ne peux y arriver que si je peux monter jusqu'au plafond max à tout moment. Rép : OUI/NON

B2/ Que ce soit possible ou pas, décrivez le vol en tenant compte des spécificités de l'espace aérien rencontré pendant le vol sur les premiers 150 km: quel cap je prends, pendant combien de km, en pouvant monter jusqu'à quelle altitude et quel espace aérien doit être pris en compte ? Pour chaque étape indiquée, indiquez les espaces aériens contraignants.

(Exemple : Je vole sur X km en direction Y, pour éviter l'espace aérien Z, sans contrainte d'altitude maximale sur base du plafond max, puis... je vole sur X Km en direction de Y, en ne dépassant pas N m AMSL d'altitude pour éviter d'empiéter sur l'espace aérien Z, ...)

Réponse :

Question (5) Activation LFA-G

LFA Golf status on Saturday 21 March 2026

The lowest QNH today is: **1012hPa**

Low Flying Area G1 is **ACTIVE** up to FL55 (=1666 meter AMSL) from SR local time.

Low Flying Area G2 North is **ACTIVE** up to FL75 (=2275 meter AMSL) from 1200 local time.

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

Low Flying Area G2 South is **ACTIVE** up to FL75 (=2275 meter AMSL) from 1200 local time.

Low Flying Area G5W is **NOT ACTIVE**

Low Flying Area G5E is **NOT ACTIVE**

EBFS (Florennes) is **STANDBY!**

R06A and R06B **ACTIVE**, pilots are **REQUIRED** to monitor frequency 125.880 MHz when flying inside the EBFS CTR, TMA and CTA.

In case of an announced "Alert Phase", all aircraft have to vacate the CTR and TMA **IMMEDIATELY**.

This information can also be obtained at the Brussels ACC Supervisor phone number 02/206.27.22, or Brussels Information on 126,900 MHz.

FL conversion table:

(FL55 =1666 meter AMSL)

(FL65 =1971 meter AMSL)

(FL75 =2275 meter AMSL)

(FL95 =2885 meter AMSL)

A/ Où puis-je trouver la page considérée comme la source des activations LFA Golf ?

B/ Expliquez la phrase en rouge : « EBFS (Florennes) is Standby ! » et la conséquence possible si je veux voler de Revin aux 7 Meuses

C/ Depuis quel(s) déco puis-je voler jusqu'à 1 650 m/2 300 m d'altitude sur un vol de cross-country de 30 km (sur l'ensemble du vol, en partant à la verticale du point de décollage à midi), sachant qu'il faut tenir compte d'une variation possible de 30° par rapport à la direction indiquée ? Dans la dernière colonne, indiquez s'il existe des zones spécifiques qui me sont interdites, à prendre en compte pendant le vol et comment les respecter.

	1650 AMSL	2300 AMSL	Zones interdites à respecter
De Rachtig, direction Nord-Ouest			
De Coe, direction Est			
De 7M, direction Nord-Nord-Est			
De Fumay, direction Est			