

What is a VLL?

VLL is the abbreviation for Very Low Level airspace.

skeyes has divided their GeoZones into different subzones. You can download and view these geozones in more detail via the KML file attached to this article.

The 6 GeoZones managed by skeyes for which you are legally obliged to use DSA to get a flight authorisation:

- Five GeoZones situated around the airports of **Antwerpen, Brussels, Charleroi, Liège and Oostende**.

They are each subdivided in to 3 subzones called VLLs ("Very Low Level"- airspace)

VLL0: over and close to the actual runways

VLL1: above and near the airport

VLL2: further away from the airport

- One GeoZone situated around the airports of **Kortrijk** (delimited by the Radio Mandatory Zone)

It's subdivided in to 2 subzones:

EBKT RMZ 1: above and near the airport

EBKT RMZ 2: further away from the airport

A KML file for all these zones can be found at the bottom of the page of this article.

Text continues below the images.



Figure 1: the keys geozones projected on satellite images.

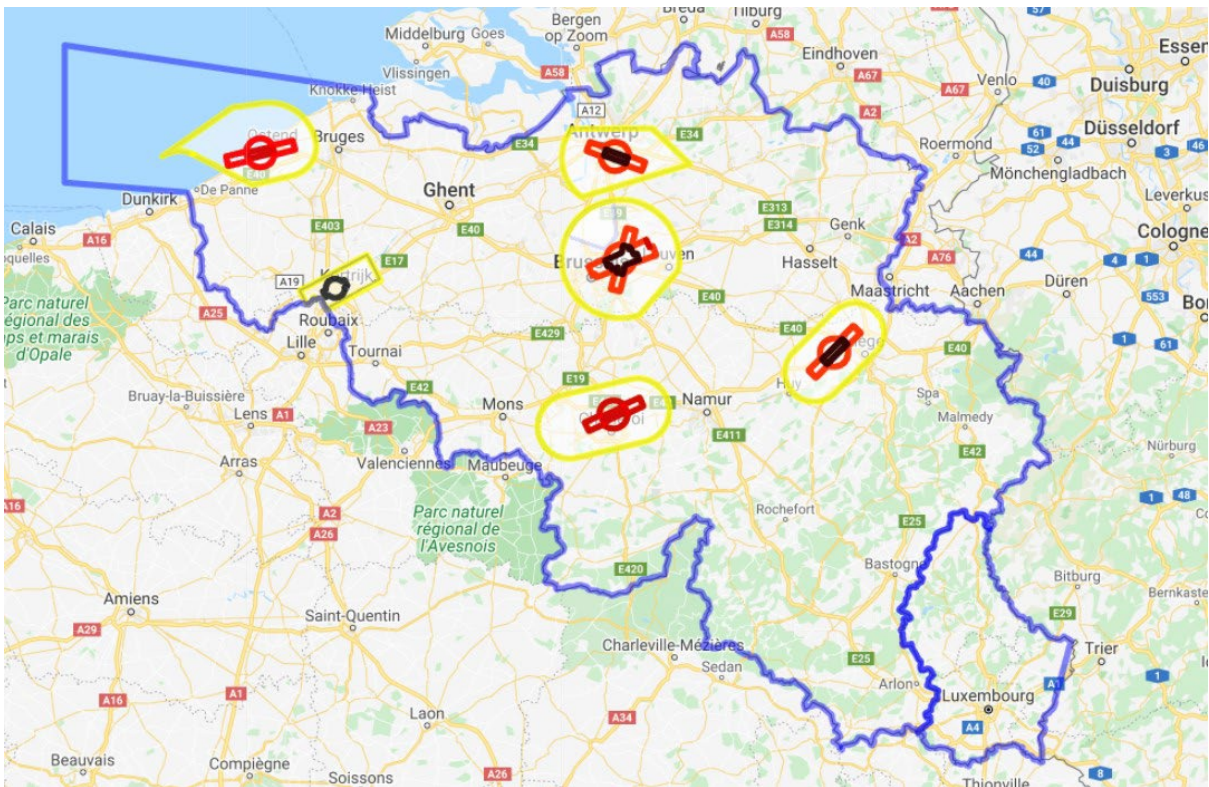


Figure 2: the keys geozones projected on a map of Belgium.

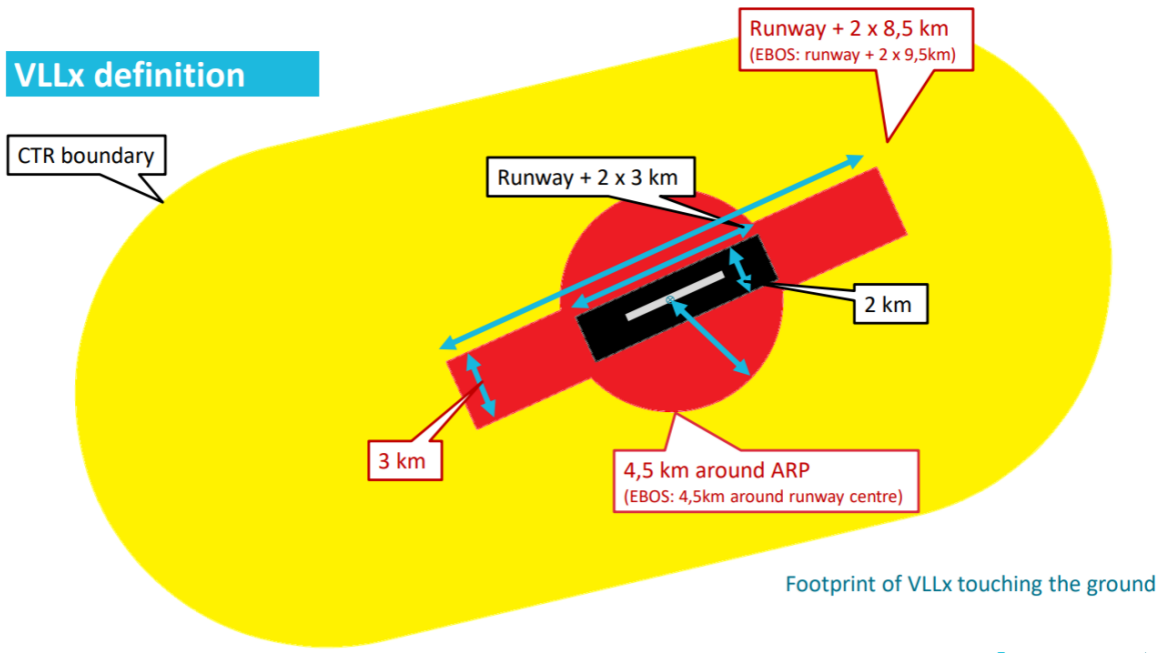


Figure 3: Dimensions of VLL0 and VLL1

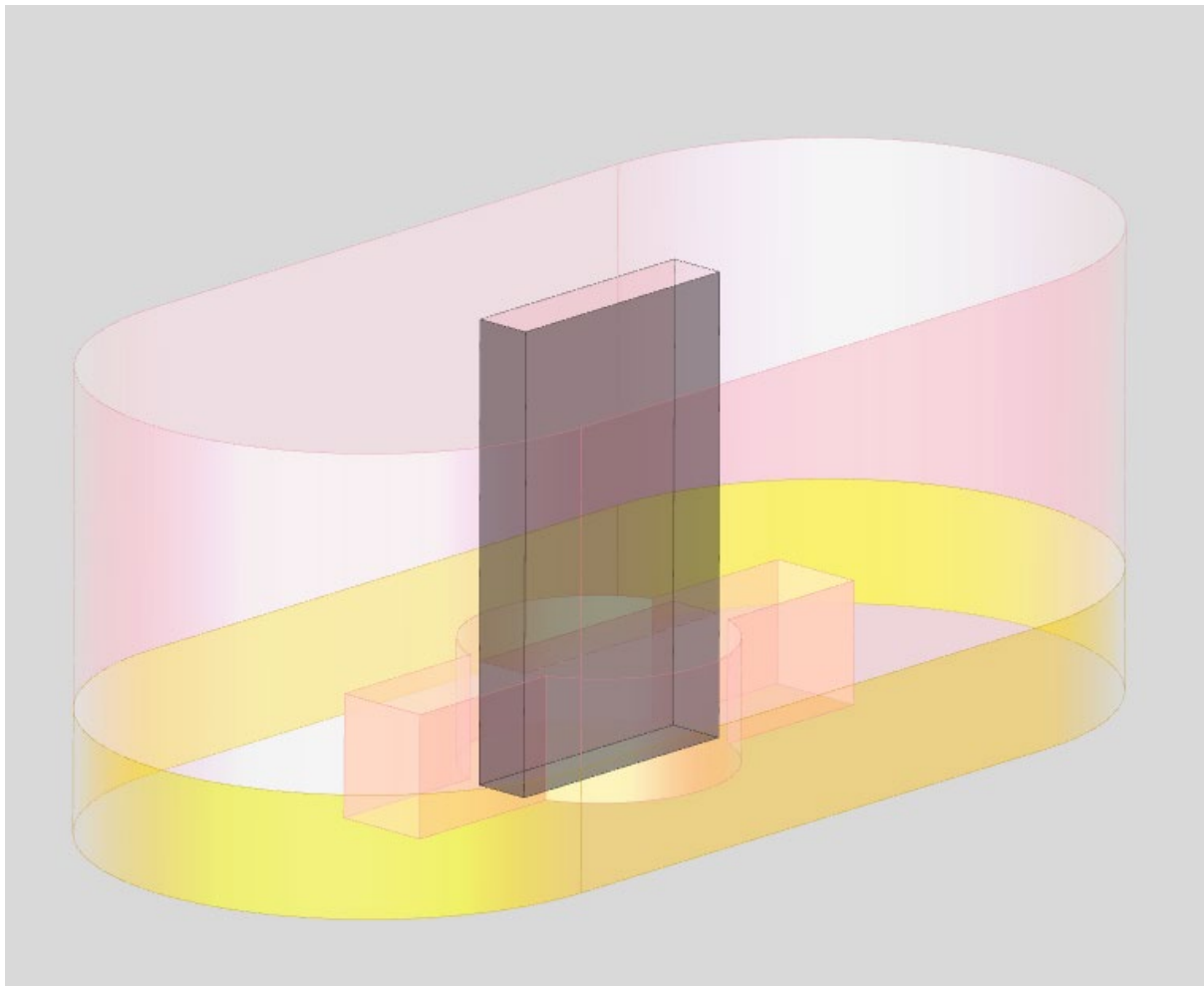


Figure 4: 3D visualisation of the average skeyes geozone. Black = VLL0; red = VLL1; yellow = VLL2.

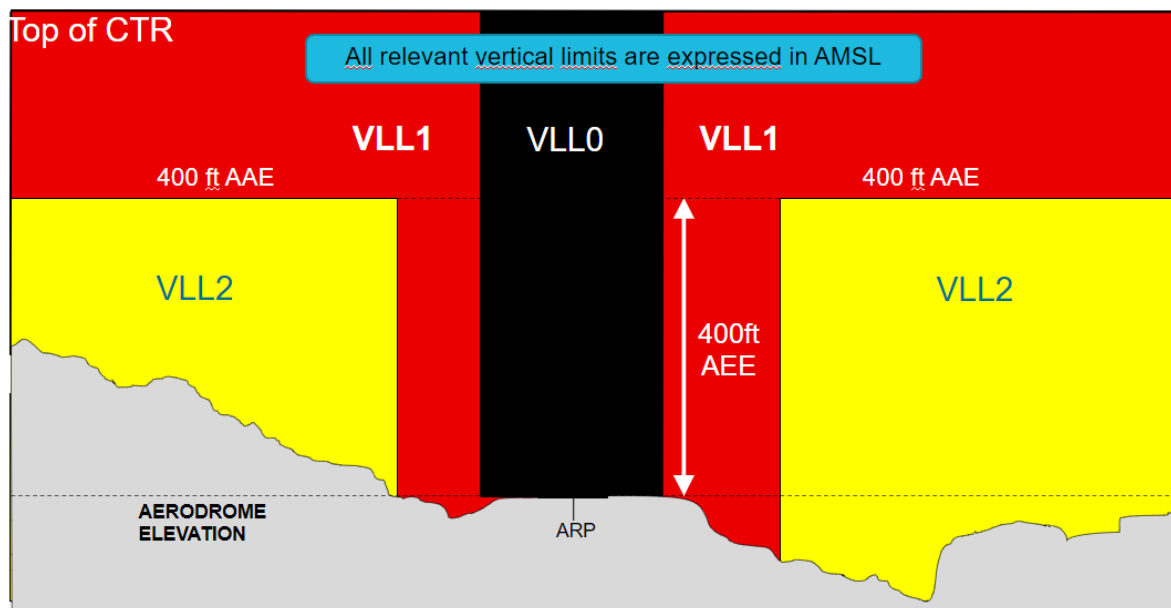


Figure 5: A slice-through of a skeyes geozone.

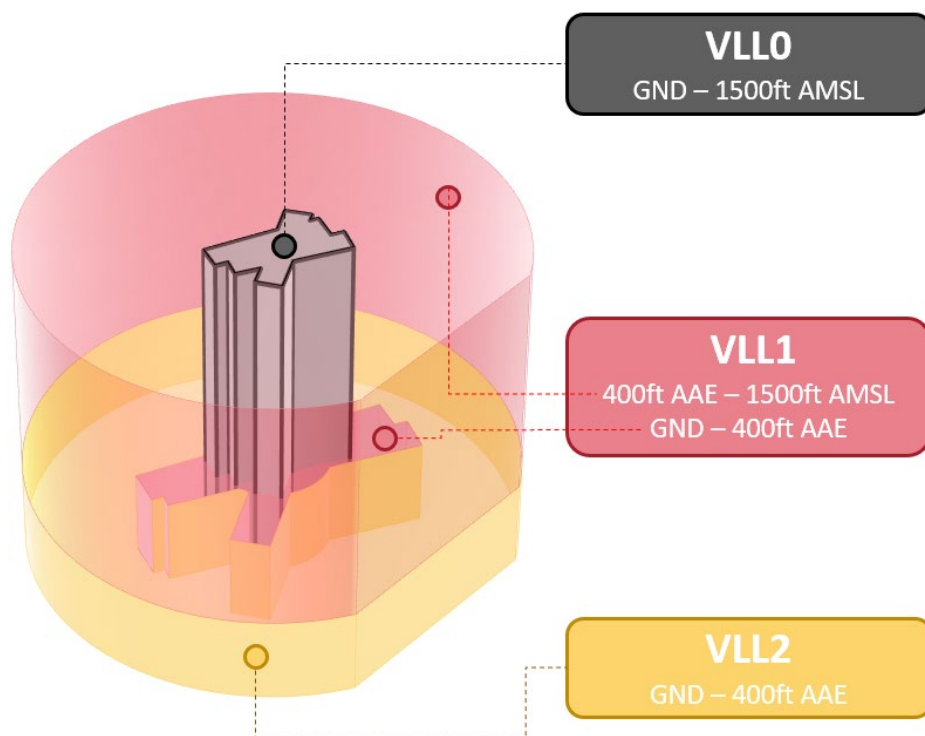
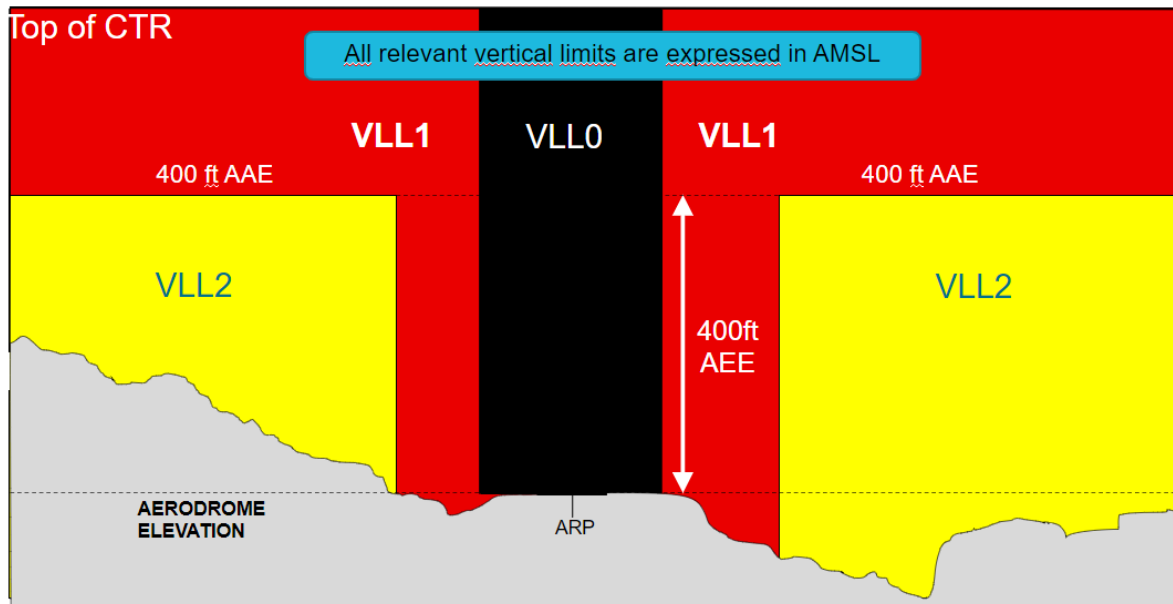


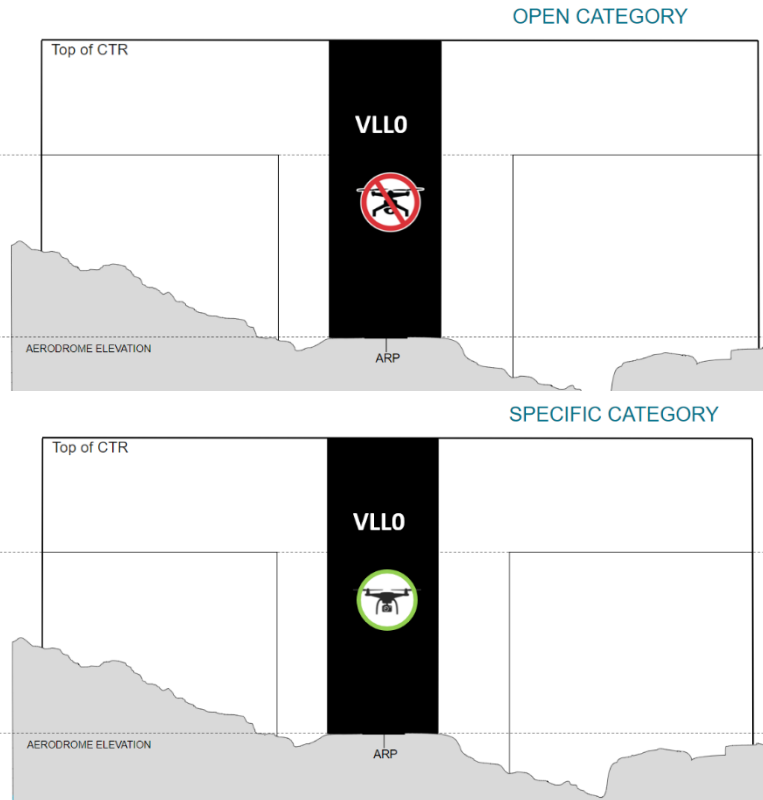
Figure 6: 3D visualisation and aerial heights of the Brussels' skeyes geozone. While the shapes may vary for other geozones, the heights will be the same for all skeyes geozones.

Knowing which VLL you will be flying in is important, as depending on the drone category you fly in, you may or may not have access to a certain VLL.

Let's take the geozone slice-through from earlier:

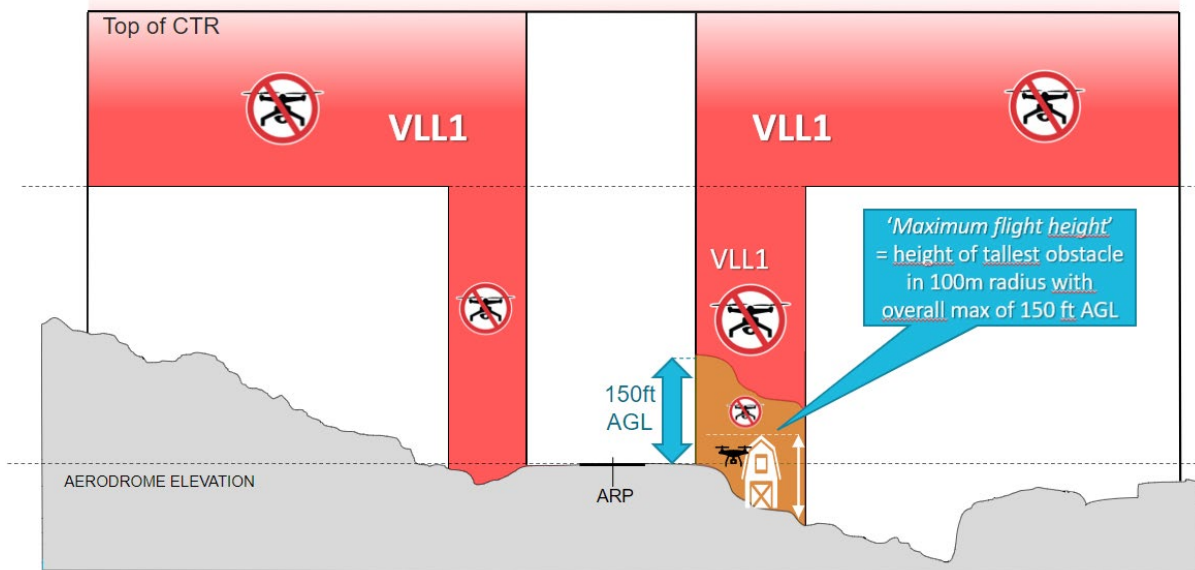


- Drones in the **Open** category will never be allowed to fly in **VLL0**. Drones in the **Specific** category on the other hand do have the option to fly operations in VLL0. If you intend to fly in VLL0, drones in the Specific category can request a flight authorization via the DSA tool **at least 15 days** before the date of the operation.

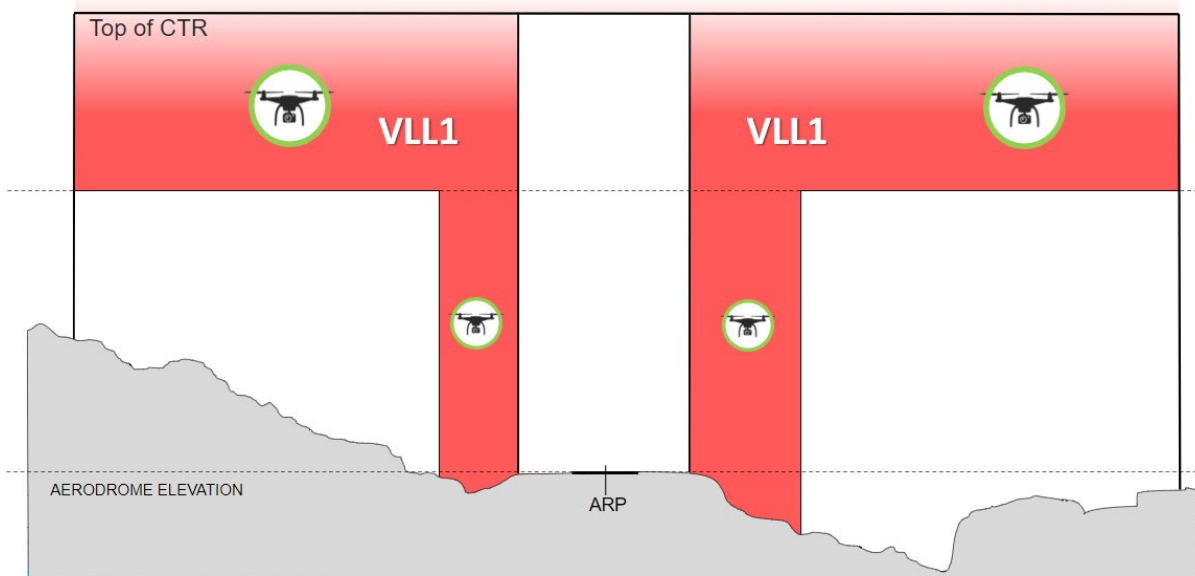


- In VLL1, there continue to be differences between flying in different categories.
 - In the **Open** category, if your flight has been authorized through the DSA tool, you have a maximum flight height of up to the tallest obstacle in a 100m radius, with an overall max ceiling of 150 ft AGL (Above **Ground** Level). All other VLL1 airspace is not allowed for Open category drones.
 - In the **Specific** category, you are allowed to plan and fly your operation in whichever part you please in VLL1. If you wish to fly in VLL1, please submit your flight authorization request via the DSA tool **at least 8 days** before your operation date.

OPEN CATEGORY



SPECIFIC CATEGORY



- Finally, VLL2 is the most accessible area of skyes geozones. You can request access to VLL2 via the DSA tool **up to 3 hours before your operation, regardless of the category you fly in.**
 - In the **Open** category, you can fly anywhere in VLL2 up to 150 ft AGL.
 - In the **Specific** category, you are allowed to fly in VLL2 up to 400 ft AGL or 400ft AAE, whichever is the lowest. No worries, the DSA tool will show you what your maximum flight height may be to stay in this zone.

