ESTABLISHMENT OF A GEOZONE
IN ACCORDANCE WITH ART. 15 (2) DVO (EU) 2019/947

at the National Experimental Test Center for Unmanned Aircraft Systems in Cochstedt

Permanent establishment of a geographical area to **faciliate test activities** at the DLR National Experimental Test Center for Unmanned Aircraft Systems in Cochstedt.

The GeoZone is now available for use and enables:

- operations in the extended open category: **BVLOS flights with UAS weighing over 25 kg and flying at altitudes > 120 m without authorisation in the specific category**
- conducting tests on SAIL II equivalent operating requirements

Testing options in the GeoZone:

- testing of all UAS configurations of all propulsion types
- operation within and beyond visual line of sight (VLOS and BVLOS)
- control of multiple UAS by one pilot possible
- dropping and setting down payloads within the airport grounds permitted

AREAS OF THE GEOZONE

Full area:

- max. take-off-mass (MTOM) ≤ 600 kg
- vertical limit = max. hight of ATZ = 3000ft AMSL
- characteristic dimension ≤ 3 m, kinetic energy ≤ 34 kJ

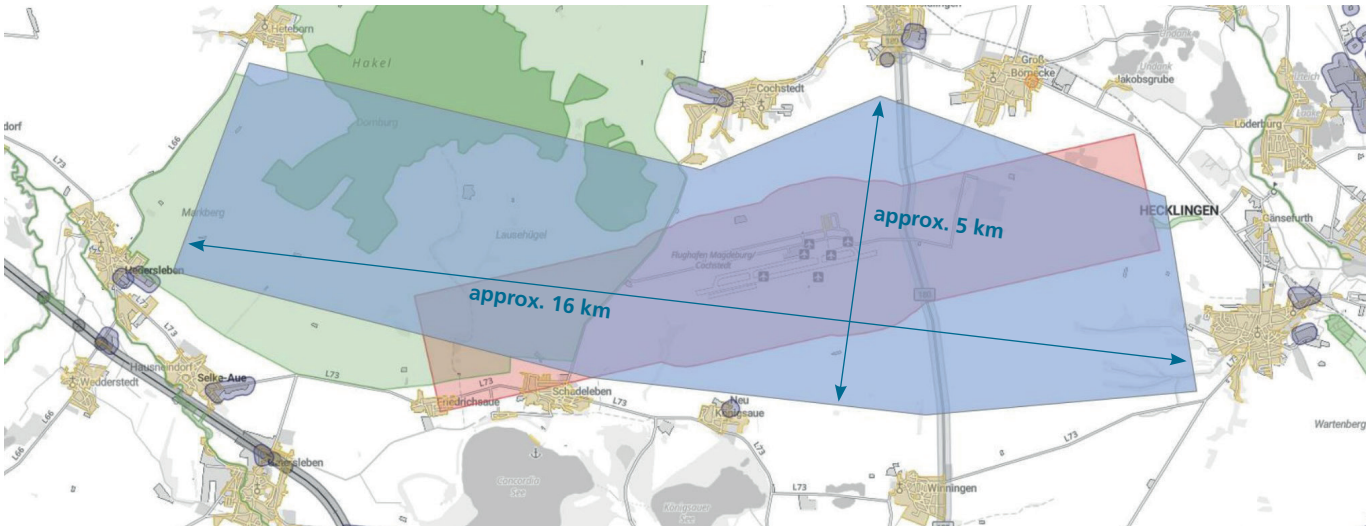

Fig. 1: Full area of the GeoZone (derived from DiPuL)

AREAS OF THE GEOZONE

Limited area:

- max. take-off-mass (MTOM) ≤ 2.000 kg
- vertical limit = max. height of ATZ = 3000ft AMSL
- characteristic dimension ≤ 8 m, kinetic energy ≤ 1084 kJ

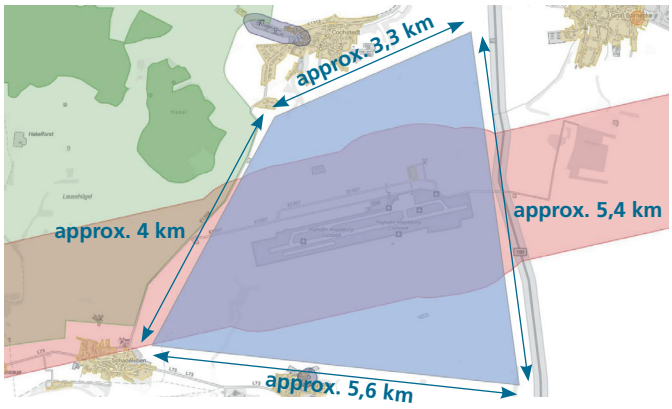

Fig. 2: Limited area of the GeoZone (derived from DiPuL)

Maiden Flight Box:

- restricted flight zone within the limited area with additional requirements (e.g. positioning of observers outside the airport)
- mandatory restriction to the Maiden Flight Box for maiden flights or after changes with potential safety impact
- objective: demonstration of sufficient maturity of the UAS through repeated verification of the proper functioning of the UAS from take-off to landing
- afterwards full use of the planned flight area possible

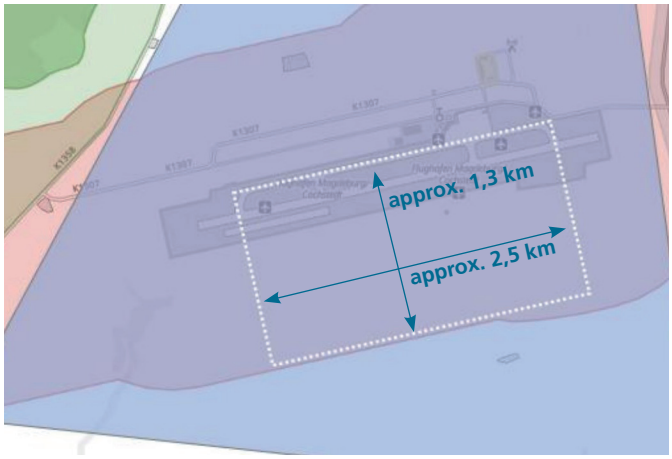

Fig. 3: Maiden Flight Box (derived from DiPuL)

Requirements for UAS operators using the GeoZone

In order to achieve an equivalent level of safety, all requirements for UAS operators follow the principles defined for the specific category of drone operation in accordance with SAIL II. Each operator confirms that they fully comply with all requirements (defined in points 5.1 – 5.4 of the operator declaration). Compliance with these requirements must be declared to the DLR by signing the UAS operator declaration and risk assessment for the use of the geographical area.

The operator declaration and further information on the GeoZone can be found here:
www.dipul.de/homepage/en/aktuelle-meldungen/geographical-zone-at-magdeburg-cochstedt/

If you are interested in flights within the GeoZone, please contact us at cochstedt@dlr.de!