

## U-Space services Port of Rotterdam for the different users

### WebApp users

Pre-flight services;

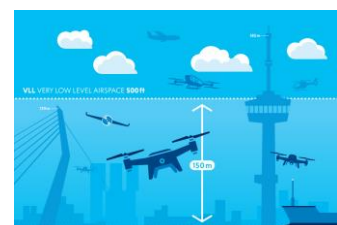
- Submission of flight request for area based 4D volume
- Cancellation of flight requests
- Direct confirmation or rejection of request. A confirmation means that no other requests, nor restrictions, have been received for that area and time
- A rejection is accompanied by an alternative suggestion in time or area
- Alerts for flight requests entering restricted area
- Strategic deconfliction with restricted areas before activation (start time) of flight requests
- Strategic deconfliction with restricted areas after activation (start time) of flight requests by manual interaction of Airspace Managers
- Airspace view for the selected time period

WebApp users need to check their flight confirmations before activating the flight; new restrictions and higher priorities may have withdrawn the initial confirmation.

### Pre-flight API users

Pre-flight services directly via your operating software, with one touch of a button and minimum administrative burden

- Easy submissions of flight requests for area based 4D volumes areas or trajectories
- Easy cancellations of flight requests
- Priority over WebApp users
- First come first serve basis with other API users
- Direct confirmation or rejection of request. A confirmation means that no other requests, nor restrictions, have been received for that area and time
- A rejection is accompanied by an automated alternative suggestion in time or area
- Alerts for flight requests entering a restricted area
- Strategic deconfliction with restricted areas before approval of flight request





- Strategic deconfliction with restricted areas after approval of flight request, but before take-off
- Full updated aerial picture of all requested flight areas by other unmanned users

This integration is offered f.i. by the Aeret Drone Flightlog, a digital flight logbook for logging pilots, drones, flights, flight plans and more.

### **Pre- and in-flight API users**

Pre-flight and in-flight services directly via your operating software, with one touch of a button and minimum administrative burden

- Easy submissions of flight request for area based 4D volume
- Immediate take-off after submission
- Priority over WebApp users
- First come first serve basis with other API users
- Direct confirmation or rejection of request. A confirmation means that no other requests have been received for that area and time
- A rejection is accompanied by an automated alternative suggestion in time or area
- Easy cancelation of flight requests
- Submissions of flight request for trajectory based 4D volume
- Alerts for flight request entering restricted area
- Strategic deconfliction with restricted areas
- Strategic deconfliction with restricted areas after approval of flight request
- Strategic deconfliction with restricted areas after activation of flight approval
- Conformance monitoring - deviating from area
- Conformance monitoring - deviating from trajectory
- Alerts in case of fly-away situations
- Priority missions and priority deconfliction

This full API integration, including the authorization process for flight routes and real-time positions, is offered f.i. by SKYOPS.COM Flight Management Solution. The software provides immediate insight in all technical and operational aspects for manned and unmanned operations in the pre-flight, in-flight and post-flight phases.

Operation liability remains with the UAV operator including the responsibility for proximity and safety distances between drones, with manned traffic, vessels, and infrastructure.

