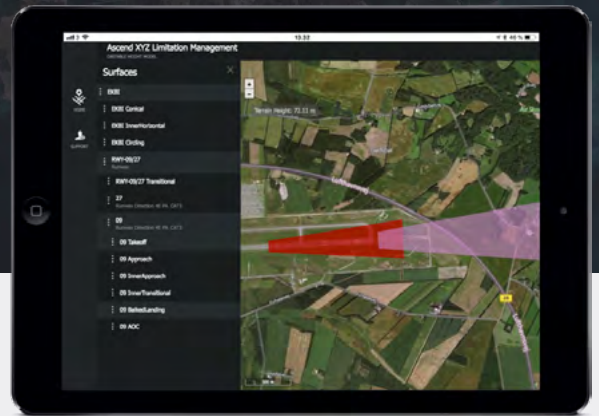# Obstacle Assessment

"Assess obstacles with just a few clicks"

ASCEND OBSTACLE ASSESSMENT SOLUTION

Have you received a request to erect a crane or assess a building request? Enter the data, and you will instantly be able to identify which limitation surfaces are penetrated, and what the operational effect will be.

GET DEMO ACCESS

PROCESS DESCRIPTION

1. **Obstacle assessment request:** a crane, building, antenna or other

2. **Obstacle input form:** position, maximum height and time-period

3. **Enter the information:** Into the Ascend Obstacle Assessment solution

4. **Assess impact:** Identify if the obstacle is penetrating surfaces

5. **Specialist assessment:** If the obstacle is penetrating critical surfaces

6. **Approve obstacle:** If possible

7. **Publish:** If the obstacle is penetrating limitation surfaces

8. **Validate obstacle:** to make sure that height, position and time periods can pass approval

1. **Obstacle assessment request**
2. **Obstacle input form**
3. **Enter the information**
4. **Assess impact**
5. **Specialist assessment**
6. **Approve obstacle**
7. **Publish**
8. **Validate Obstacle**
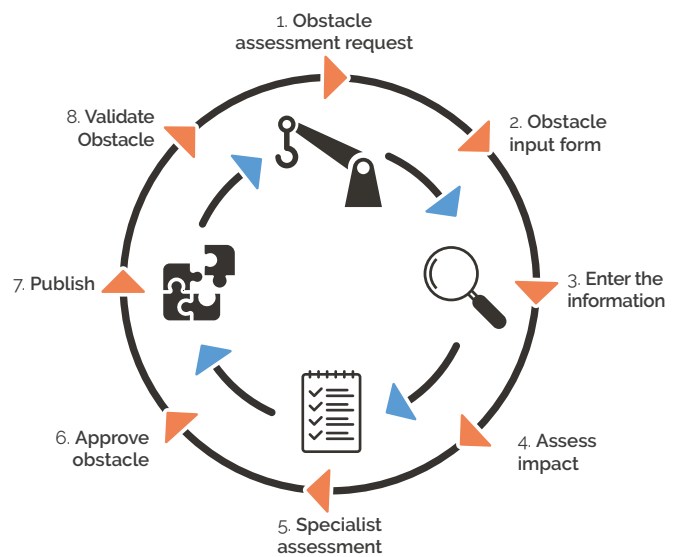
Detailed process description

1. Obstacle assessment request

This could be a crane, building, antenna or other. We typically see two types of requests – temporary (cranes and similar) and permanent (buildings, antennas, masts etc.)

2. Obstacle input form

We can set up a web-form where obstacle owners can enter the information, position, maximum height and time-period. View example of the "Obstacle input form" here.

3. Enter the information

Enter the information into the Ascend limitation surface solution. If terrain data is included in your subscription, all you need is the position and height of the object. You can also use the terrain elevation or obstacle maximum elevation, in the event your airport does not have access to terrain data. For information on terrain data, see Obstacle Management here.

4. Assess impact

You are now able to identify if the obstacle is penetrating any limitation surfaces.

5. Specialist assessment

Precision approach procedures: obstacles not penetrating the annex 14 limitation surfaces, will have no effect on the approach or departure procedures. However, obstacles outside the extent of the limitation surfaces can have an impact, if there is terrain or high obstacles.

Non-precision procedures: you can have the controlling obstacle below the annex 14 limitation surfaces. If the obstacle is penetrating critical surfaces it should be assessed whether it has an impact on published procedures. This is typically done by a procedure designer, we can assist you in this process.
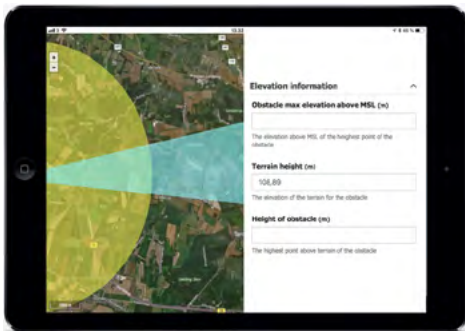
6. Approve obstacle

Obstacles can be accepted by the airports. However, in most countries they need to be approved by authorities. If an obstacle is approved, it can be registered in the Ascend Obstacle Management Solution. Read more about obstacle management here.

7. Publish

Obstacles penetrating limitation surfaces should be published. Temporary obstacles can be published as a NOTAM. Permanent obstacles should be submitted to your national Aeronautical Information Management (AIM) office. In case the obstacle is impacting procedures, this also should be published.
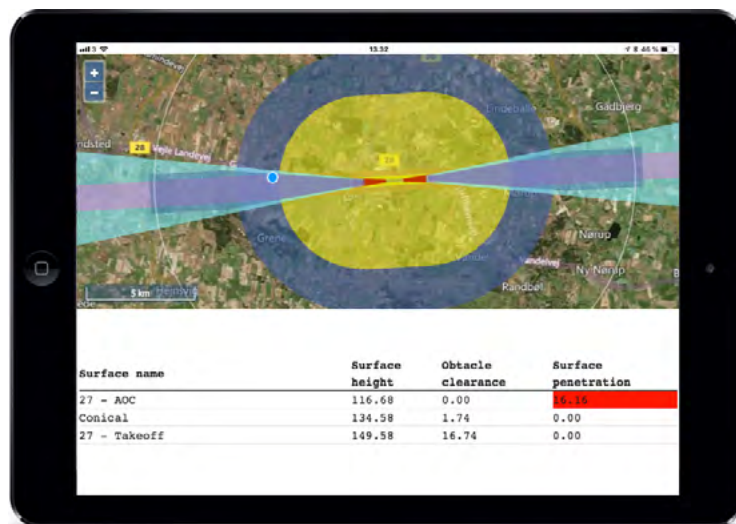
8. Validate obstacle

Validate obstacles to ensure that height, position and time periods meet the approval and the published information.

We especially recommend that you do this at the expiry of temporary obstacles. You can document the monitoring task with the "Obstacle inspection" registration process.

This is supported under Ascend Digital Airport. You can read more about Digital Airport here.

Obstacle Assessment

"Assess obstacles with just a few clicks"

Surface name	Surface height	Obstacle clearance	Surface penetration
27 - AOC	116.68	0.00	16.15
Conical	134.58	1.74	0.00
27 - Takeoff	149.58	16.74	0.00

Obstacle Assessment

The Obstacle Assessment process described on this web-page is included.

Obstacle Management

To view what is included in the Obstacle Management process click here.

Obstacle Management with Identification

To view what is included in the Obstacle Management with Identification process click here.

Notes:

· Obstacle identification is performed by LiDAR scan. The price applies for the EU on a 5-year contract. Contact us for prices outside the EU.