

# De-icing procedures



At Helsinki Airport we are delighted to provide proper de-icing services for your needs! Helsinki is known for its smooth winter operations, so why not bring it here to Vatsim! To make your experience better, we recommend using GSX PRO to simulate remote de-icing.

**The following positions can be manned during winter season:**

Logon code	Call sign	Frequency
EFHK_C_GND	Remote De-icing Supervisor	133.850
EFHK_D_GND	De-icing (operator)	121.675

The positions above may be used during Welcome to HEL or other events.

Pilots may request for de-icing even if the positions above are not manned. In that case Helsinki Ground or Tower will handle the communications.

## Pilot procedures

### Before start-up

1. Order de-icing from Remote De-icing Supervisor 133.850 before start-up OR use the [De-icing Web Application](#) (instructions at the end of this page). You need to receive en-route clearance from EFHK\_DEL before requesting de-icing:

✈ **HELSINKI DE-ICING, FINNAIR 1, REQUEST DEICING FOR WINGS AND TAIL**

☐ **FINNAIR 1, DE-ICING ON REMOTE APRON 6**

2. After the request you may switch back to previous frequency

### Operations at remote de-icing apron

1. ATC will give you taxi instructions to an intermediate holding point
  - [Apron 6](#): DC1 or GC1
  - [Apron 8](#): AV1 or VS1
2. ATC will advise you to contact Remote De-icing Supervisor:

☐ **FINNAIR 1, CONTACT REMOTE DE-ICING SUPERVISOR 133.850**

✈ **133.850, FINNAIR 1**

3. You will receive taxi instructions to de-icing stand

✈ **FINNAIR 1, APPROACHING DC1**

☐ **FINNAIR 1, TAXI TO STAND 603**

✈ **TAXI TO STAND 603, FINNAIR 1**

4. De-icing Supervisor may advise you to contact de-icing operator when parking brake is set

☐ **FINNAIR 1, WHEN PARKING BRAKE SET, CONTACT DE-ICING 121.675**

✈ **WHEN PARKING BRAKE SET, 121.675, FINNAIR 1**

5. Contact De-icing operator and request the de-icing procedure you want

- General tip: request 2-step de-icing only when it is snowing

✈ **DE-ICING, FINNAIR 1, PARKING BRAKE SET, REQUESTING ONE STEP DE- ICING FOR WINGS AND STABILIZER, YOU MAY START SPRAYING**

☐ **FINNAIR 1 ON STAND 603, DE-ICING, STARTING ONE STEP PROCEDURE FOR WINGS AND STABILIZER, REPORT WHEN DE-ICING COMPLETED**

✈ **WILCO, FINNAIR 1**

6. Now you will wait until the de-icing in your simulator is completed. When de-icing is finished, the de-icing operator will give you the end report which should be read back:

✈ **FINNAIR 1, STAND 601, DE-ICING COMPLETED**

☐ **FINNAIR 1 ON STAND 601, DE-ICING COMPLETED FOR WINGS AND TAIL WITH TYPE 1 FLUID, MIXTURE 40%, HOLDOVER TIME STARTED AT 55, POST DE- AND ANTI-ICING CHECKS ARE COMPLETED**

✈ **TYPE 1, MIXTURE 40%, HOLD OVER TIME 55, FINNAIR 1**

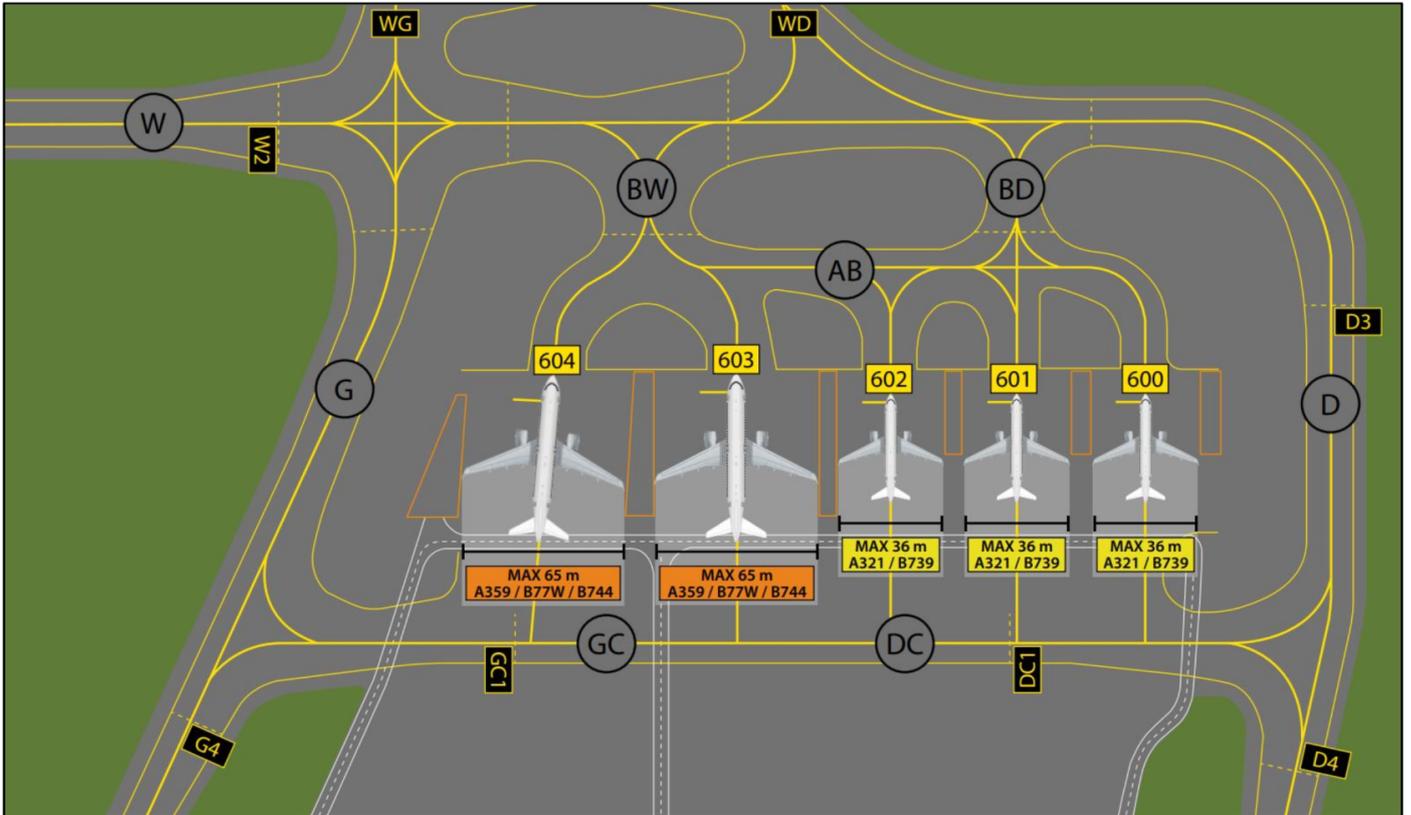
☐ **FINNAIR 1, CORRECT, FOR TAXI CONTACT TOWER 118.850**

✈ **118.850, FINNAIR 1**

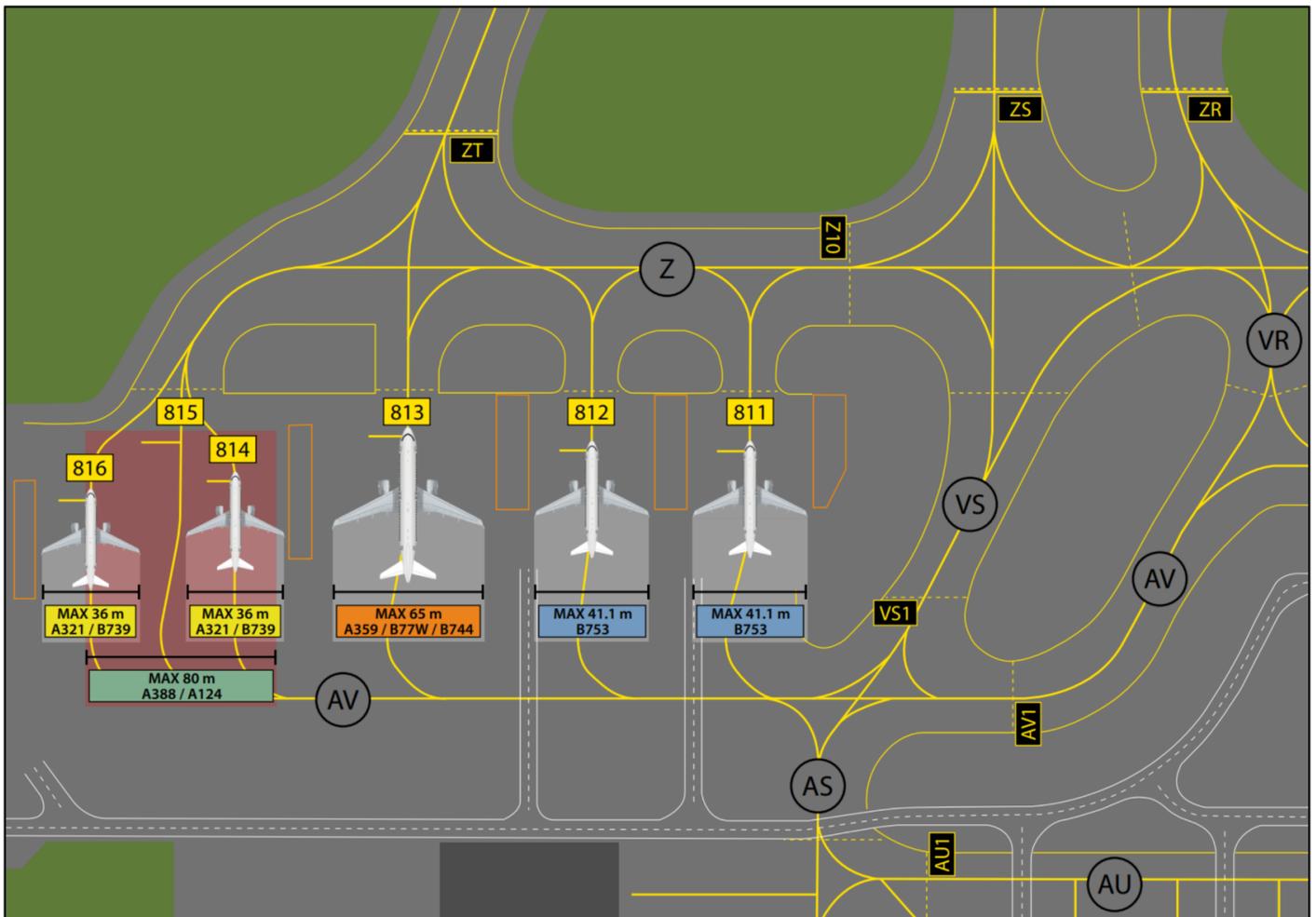
7. The de-icing process is now completed, and you will receive taxi instructions towards the departure runway – Have a nice flight! ☐

# Map of de-icing areas

## REMOTE 6 map



## REMOTE 8 map



## DEICE Application for EFHK

- Link to application: [ice.lusep.fi](https://ice.lusep.fi)

**You need to be connected on VATSIM network as a pilot and send the flight plan with departure EFHK before connecting to the application!**

- Pilots may send the Deice-request via the application before start-up!
- If the request is not approved within a few minutes, please revert back to voice procedures, as it is not mandatory for ATC to use the application.
- Pilots can also view the holdover times for the fluid types used at Helsinki (only if Precipitation exists)

FIN5G
↗

EFHK

STOP  
 DEICING  
 IN PROGRESS

METAR Timestamp: 1520Z

20006KT 9999 VCSH FEW014 FEW020CB M05/M06 Q0987 TEMPO 4000 -SHSN

Temperature  
-5°C

Precipitation  
 NO ANTI-ICING CONDITIONS EXPECTED

Inspection

Full Aircraft  
Type 1 HOT

Wings &  
Stabilizers  
Type 1 HOT

Full Aircraft  
Type 1 &  
Type 4

Full Aircraft  
Type 1,  
Wings &  
Stabilizers  
Type 4

Wings &  
Stabilizers  
Type 1 &  
Type 4

Deicing request: Ready ✓

Provider	Frequency	Stand	TTOT	HOT start
Swissport Norra Airpro	121.675	601	Unavailable	15:35

TYPE 1

CLARIANT SAFEWING MP I  
 1938 ECO (80)

No holdover time guidelines exist

START

0:00

- This app is for Flight Simulator Use Only on VATSIM network
- Link to EFHK Deicing procedures: [vats.im/efhk-deice](https://vats.im/efhk-deice)
- Link to Holdover Time Guidelines: [FAA Holdover Time \(HOT\) Guidelines Winter 2024-2025](https://www.faa.gov/airports/airside/holdover-time-guidelines-winter-2024-2025)
- The time of protection will be shortened in heavy weather conditions. Heavy precipitation rates or high moisture content, high wind velocity or jet blast may reduce holdover time

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