

# EDDH - Hamburg Airport

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# Overview

**Hamburg Airport** is the 5th largest airport in Germany and was opened in 1911, making it **the oldest international airport in the world to still be in operation**. It serves as a hub for Eurowings and Condor, has regular flight schedules from premium European carriers (e.g. Lufthansa, British Airways, KLM) as well as Low Cost carriers and handles a big variety of Aircraft types from small General Aviation planes up to A380s.

**EDDH Tier 1 Endorsement is mandatory to control any station in Hamburg or above!**

## Hamburg ATC Stations

Station	Station ID	Login	Frequency	Remark
ATIS	ADH	EDDH_ATIS	124.325	--
Ground	DHL	EDDH_DEL	121.805	Delivery, Callsign "Ground"
East Apron	DHE	EDDH_E_GND	121.705	--
West Apron	DHW	EDDH_W_GND	121.980	--
Tower	DHT	EDDH_TWR	126.855	--
VFR Tower	DHR	EDDH_VFR_TWR	121.280	Relief Station / Event
Hamburg East	HAME	EDDH_E_APP	119.510	--
Hamburg West	HAMW	EDDH_W_APP	134.255	--
Arrival	DHAT	EDDH_A_APP	118.205	--

## General Information

Hamburg is a restricted Tier 1 airport of the **Bremen FIR**. vACC Germany Controllers can get an endorsement with their S2 rating or higher, visiting Controllers from other countries need a S3 rating or higher. More Info: **Visiting Controller**

All stations on the ground (DEL, GND and TWR) do not have to track aircraft.

## Runways

Runway 33 / 15	Runway 23 / 05
Length: 3666m   Width: 46m ILS (15), RNP, SRE	Length: 3250m   Width: 46m ILS, RNP, SRE ILS 23 (CAT III)

## ILS-Frequencies

RWY	Frequency	Identifier	CRS
23	111.3 111.5 (old)	IHHW	228°
15	109.550 111.35 (old)	IHHS	150°
05	110.5	IHHE	047°

## Operations Rate

Departures/hour	Arrivals/hour	Global/hour
31	31	48

# Quicksheet

## STANDARD INSTRUMENT DEPARTURE (SID)

SID RWY	AMLUH	BASUM	EKERN	IDEKO	ELSOB	LUGEG	RAMAR	WSN	HAM*
33	1G	3G	1G	6G	2G	2G	5G	4G	1G
23	2B	5B	1B	7B	2B	2B	5B	3B	1B
15	1D	6D	2D	8D	2D	2D	5D	3D	1D
05	1C	3C	1C	7C	2C	2C	5C	4C	1C
APP	E_APP	W_APP	E_APP	W_APP	W_APP	E_APP	E_APP	W_APP	E_APP
CLIMB	5000ft								

\* HAM Sids NON-RNAV only and needs to be released by HAME

## STAR

STAR	BOGMU	NOLGO	RARUP	RIBSO
33	1S	1S	1S	1S
23	1P	1P	1P	1P
15	1D	1D / 1W**	1D	1D
05	3A / 1N*	4A	4A	5A
LVL AT	FL 110			

## APPROACH

RWY	33	23	15	05
TYPE	RNP	ILS	ILS	ILS
FREQ		111.3	109.55	110.5
CRS	330°	228°	150°	047°
IDENT		IHHW	IHHS	IHHE
FAP	SOSAX	PISAS	DEVOD	ANEXI

\* BOGMU3A north / BOGMU1N south downwind

\*\* NOLGO1D east / NOLGO1W west downwind

## COMMUNICATION

STATION	LOGIN	FREQ		CALLSIGN
ATIS	EDDH_ATIS	124.325	ADH	Hamburg ATIS
	EDDH_DEL	121.805	DHL	Hamburg Ground
	EDDH_E_GND	121.705	DHG	Hamburg Apron
GND/DEL	EDDH_W_GND	121.980	DHW	Hamburg Apron
	EDDH_TWR	126.855	DHT	Hamburg Tower
	EDDH_VFR_TWR	121.280	DHR	Hamburg Tower
APP	EDDH_E_APP	119.510	HAME	Bremen Radar
	EDDH_W_APP	134.255	HAMW	Bremen Radar
	EDDH_F_APP	118.205	DHAT	Hamburg Director
CTR	EDWW_A_CTR	126.325	ALR	Bremen Radar
	EDWW_H_CTR	125.855	HEI	Bremen Radar
	EDWW_W_CTR	120.225	EIDW	Bremen Radar
	EDWW_CTR	133.725	WC	Bremen Radar

## HOLDINGS

WAYPOINT	BOGMU	HAM	NOLGO	RARUP	RIBSO
APP	E_APP	E_APP	E_APP	E_APP	W_APP
ALT			4000ft		
COURSE	229°	006°	005°	276°	028°

# Ground (DEL)

Although the callsign (in reality) is "Hamburg Ground" we use the suffix \_DEL on Vatsim to avoid confusion among pilots.

Hamburg Ground is responsible for enroute and startup clearances for all departing IFR aircraft. VFR aircraft have to call Ground for departure information. For all departures (IFR and VFR) Hamburg Ground is the first station to contact.

**Startup:** When startup clearance cannot be given immediately or the pilot is not ready for startup within the next 5 minutes during high traffic situations, the pilot needs to stay on Ground frequency until he receives startup clearance. If an expected startup time (TSAT) exists, the pilot should be informed about it. This procedure might be necessary during events with a lot of outbound traffic.

With startup Ground transfers the aircraft to the responsible Apron/Tower station depending on the current stand.

**Initial climb clearance:** The initial climb clearance at Hamburg is 5000ft on all published departure procedures. The altitude shall be entered as cleared altitude (CFL) in an appropriate list or tag.

**PDC:** The use of PDC (Pre Departure Clearance) is permitted in Hamburg, but not mandatory. The code "EDDH" shall be used. When using startup times, keep in mind not giving "startup approved" in the PDC clearance.

## SIDs

Waypoint	RWY 33	RWY 15	RWY 23	RWY 05	Departure Frequency
AMLUH	G	D	B	C	119.510
BASUM	G	D	B	C	134.255
EKERN	G	D	B	C	119.510
ELSOB	G	D	B	C	134.255
IDEKO	G	D	B	C	134.255

<b>LUGEG</b>	<b>G</b>	<b>D</b>	<b>B</b>	<b>C</b>	119.510
<b>RAMAR</b>	<b>G</b>	<b>D</b>	<b>B</b>	<b>C</b>	119.510
<b>WSN</b> Weser	<b>G</b>	<b>D</b>	<b>B</b>	<b>C</b>	134.255
<b>HAM</b> Hamburg*	G	D	B	C	119.510

For SIDs with designators printed in **bold** the phrase "climb via SID" shall be used. (All except HAM SIDs)

HAM-SIDs shall be used for **non-RNAV aircrafts only** and needs to be released by HAME (who needs a release from ALR/HEI). If all stations agree, a separate departure release is not necessary. If able for RNAV, reroute via appropriate SID fix.

## Working with two Departure Frequencies

In case one or both of the approach stations (HAME + HAMW) are online, both departure frequencies are in use as stated in the charts. In that case Hamburg Ground adds the correct departure frequency as information within the IFR clearance or at the end of the "readback correct" confirmation. **If only Hamburg East is online, it will cross-couple both frequencies.**

☞ **Readback correct. Departure frequency** \*when passing 2000ft\* **Bremen Radar 119.510 (134.255)**

## Specials

**Vectored departures:** The use of vectored departures requires prior coordination with the responsible radar station. An initial altitude to climb shall be provided.

**IFR local flights:** IFR local flights are coordinated with the responsible radar controller, who may instruct a different departure procedure, possibly vectored departures.

## Coordinator Delivery

**Times of use:** A Coordinator Delivery can be staffed when all other Ground stations except Apron West are manned. The position shows its potential, especially during events.

**Role and function:** The Delivery Coordinator supervises the traffic flow at and in the vicinity of the aerodrome. His duties include:

- observing airport and surrounding and detect lacks of efficiency
- managing departure list, including SID assignment, flightplan check and squawk assignment
- Slot management (if needed)
- service for text pilots
- PDC service
- when controllers are busy coordination with adjacent stations

The main Delivery is responsible for all requests via voice on frequency.

For these duties, it is recommended to use some tools which are not included in the vanilla version of EuroScope. TopSky (included in the DFS\_Pack) offers windows showing the current and predicted operations rate of specific airports or a specific sector.

**Measures:**

- MDI (minimum departure interval) for specific SIDs to relieve sectors and airports
- delays, e.g. for pushback clearance to prevent overload at holding points
- observing for potential conflicts at the ground
- checking tools for inbounds and coordinating MDIs or MIT (miles in trail) in consultation with radar stations

Always make the right level of restrictions. A restriction shall *not* lead to over- or underload of the airport and its controllers. Keep in mind, a measure only shows its effect after a certain time.

# Apron (GND)

## Area of Responsibility

Hamburg can be staffed with two apron controllers. **East Apron is the main station, which supersedes the area of West Apron.**

Station	Station ID	Login	Frequency	AoR
East Apron	DHE	EDDH_E_GND	121.705	Apron 1 (incl. holding points)
West Apron	DHW	EDDH_W_GND	121.980	Apron 2, 4, 5, 6, (GA)

The area of responsibility is shown in the picture below. Additionally in Euroscope: *Ground View > Functions > Maps > AoR*





*green = General Aviation Parking, movements delegated to Tower*

# Hamburg East Apron (EDDH\_E\_GND)

## Parking

The DFS Pack includes the GroundRadar-Plugin which assigns parking positions by the airline and aircraft. In case of blocked gates, traffic flow/management concerns or pilot request, another position can be used.

**Gate 1-7:** These gates are intended for heavy aircrafts and block their respective A/B positions. Narrow body airliners with a max-wingspan of 36m shall use one of the A/B positions. They are mainly used by Star Alliance partners. Only gate 6 is suitable for an A380.

**50s stands:** Additional parking positions for all uses up to narrow body airliners. These stands can be used for low cost airlines beside the 80s stands on Apron 2.

**60s stands:** Additional parking positions for all uses up to narrow body airliners. **Do not use for inbound traffic!**

**Scenery problems:** There are a lot of ground layout mismatches in different default and payware sceneries across all simulators because of the heavy reconstruction of Apron East in the last couple of years (Z1 Blue/Orange, new 50/60s stands). Stands 51-53 at Z3 are the safest option to use for inbound traffic, the 60s stands will likely cause taxiway incursions, so don't assign them.

**Stand 8-12:** Often used for virtual Airlines and additional parking positions for all Airlines.

**Stand 42-43:** Virtual Airlines and Cargo.

**44-48 stands:** mixed use, parking face west (e.g. business jets, long time parking, cargo extended parking space etc.). Taxi-Out stands for aircrafts with a max wingspan of 25m.

**De-Icing:** De-icing in Hamburg is provided directly at the parking position.

## Pushback

In Hamburg it is very important to use the apron and its taxiways efficiently. It is useful to instruct pushing traffic creative routings to avoid congestion. For medium to high traffic situations:

- make use of the orange and blue line on Z1
- consider straight out pushbacks from gates 3+4 into Z4
- 50s stands: to avoid taxi via Z1, consider pushback directions opposite to the usual traffic flow
- Stand 10-12, 40+ at 33 departure: pushback face south and taxi to holding point B1
- **caution:** do not push stand 9 face south, as it will block the intersection

## Taxiways

**No checkpoints:** The area of responsibility of East Apron includes the holding points. Checkpoints shown on charts are not applicable on VATSIM, as we do not simulate the Hamburg Airport company operating the apron.

**Outbound traffic:** Z1 should be used towards the active departure runway. South to runway 33/05 and north to runway 23/15. Low traffic or creative routings may deviate from that. If possible, separate west/east outbound traffic at different holding points.

In medium to high traffic situations, where waiting in sequence is expected at the holding points, consider B1 for heavy aircrafts (up to aircraft code E), to avoid blocking the Z1/Z5 intersection.

Holding points A5 and B3 are only used for runway crossings.

**Arriving traffic:** Depending on the landing runway, aircrafts will usually enter the East Apron via B6 or A5/A6. The inbound routing is coupled to the outbound orientation of Z1, so it creates a clockwise or counter-clockwise traffic flow to the gates. Low traffic or creative routings may deviate from that.

**Helipad:** Helipad East between B1 and B3 is not used that often or is closed via NOTAMS. Prefer using Helipad West. Departures directly from the parking position are not permitted. All helicopter traffic needs to air-taxi to the helipad, except helicopters based at the police station.

## Hamburg West Apron (EDDH\_W\_GND)

East Apron controls this area, if West Apron is offline.

Tower, East Apron and Delivery need to be online before West Apron can be staffed.

### Parking and Pushback

The DFS Pack includes the GroundRadar-Plugin which assigns parking positions by the airline and aircraft. In case of blocked gates, traffic flow/management concerns or pilot request, another position can be used.

**80s stands - Low Cost Terminal:** The "low-cost" terminal is located at the west apron, taxiway Y1. Airlines like Easy and Ryanair are positioned here. In busy traffic situations, these stands can also be used for all airlines (up to aircraft code D) to relieve the East Apron.

**90s stands - Cargo:** Stands 91-93 (taxiway Y3) are intended for heavy aircrafts and block their respective A/B positions. Narrow body airliners with a max-wingspan of 36m shall use one of the A/B positions.

#### **Pushbacks at the northern stands (81, 82, 91) need to stay clear of D1:**

Either a pushback face north, straight back or a short pushback face south needs to be issued, since D1 is in the responsibility of Tower. Depending on the departure runway, aircrafts facing north might need extensive coordination, e.g. an intersection take-off or a longer taxi-route with a released taxiway D1.

**General Aviation (GA + Apron 4):** General Aviation Parking is between D1 and G (green area). Apron 4 is the General Aviation Terminal (GAT) and is often used by smaller business jets or commercial props.

**Movement at GA delegated to Tower (green area):** Taxiing out of and into the general aviation parking area is delegated to tower to ensure a steady traffic flow. Parking positions are not assigned to arriving traffic. Outbound traffic should be handed over to tower when

they report ready for pushback or taxi, whichever comes first.

**Apron 5 + 6:** Lufthansa Technik - these aprons are only used on pilot request. Apron 6 taxi out needs to be coordinated with tower. In real life these aprons are private property and often a push/pull out through the gates is needed. This is not applicable on Vatsim.

**De-Icing:** De-icing in Hamburg is provided directly at the parking position.

**Police and rescue helicopters:** The police helicopters are based at Hamburg Airport east of apron 5 (H Pol1 / H Pol 2), Callsign "Libelle". These helipads are not reachable via air-taxi and can only be used for direct arrival/departures. Pilots will communicate directly with the tower.

There are no rescue helicopters located at the airport but within the area of the tower control zone.

## Taxiways

**Outbound traffic:** Use G for outbound traffic unless an intersection take-off (e.g. D8/D9) was coordinated. In that case airplanes hold short of D1 while being handed over to Tower.

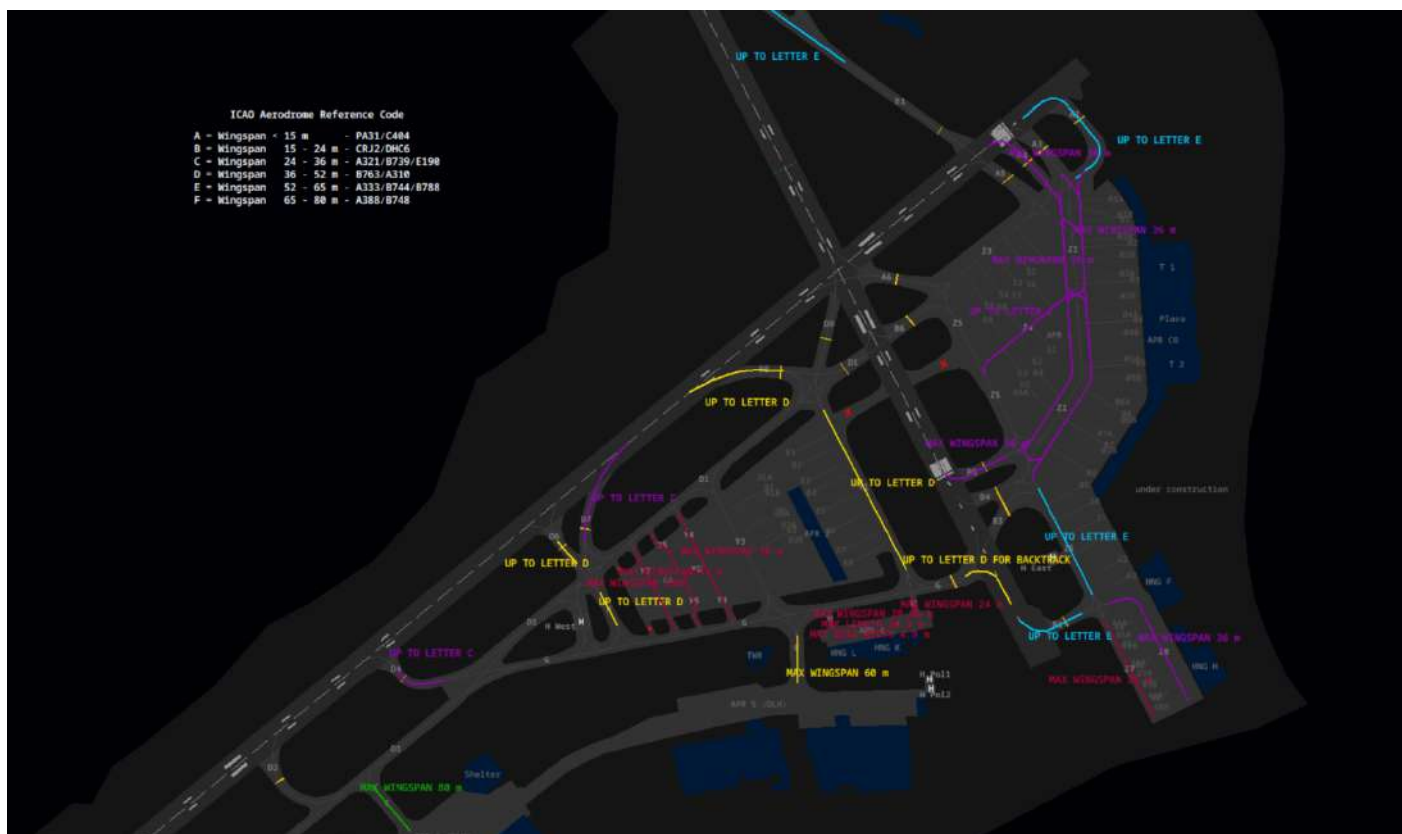
**Arriving traffic:** Expect aircrafts on all possible entry points of your area of responsibility and check the provided stand assignment. If you disagree with the chosen stand, coordinate in time with the other stations. Tower will transfer airplanes on D1 with an instruction to hold short of Y3 or Y1. Clear the traffic on D1 as quick as possible.

**Helipads:** Helipad West is the main arrival/departure point for helicopters in Hamburg. Departures directly from the parking position are not permitted. All helicopter traffic needs to air-taxi to the helipad, except helicopters based at the police station.

## Taxiway Restrictions

Unless otherwise stated below, taxiways are suited for aircraft code F movements. For information regarding aircraft dimensions consult the [Aircraft Performance Database](#). ICAO aircraft code definitions can be found at [Skybrary](#).

Euroscope: *Ground View > Functions > Maps > Restrictions*



*click to open bigger view*

## Apron East

Taxiway	Restrictions
<b>Alpha 1</b>	Aircraft code E or below
<b>Alpha 4</b>	max wingspan 36m
<b>Bravo 1</b>	Aircraft code E or below
<b>Bravo 5</b>	max wingspan 36m, Aircraft code C or below
<b>Zulu 1</b>	Orange und Blue Line: max wingspan 36m
<b>Zulu 4</b>	Aircraft code C or below
<b>Zulu 5</b>	south of Z1: Aircraft code E or below
<b>Zulu 7</b>	max wingspan 25m
<b>Zulu 8</b>	max wingspan 36m

## Apron West

Taxiway	Restriction
Foxtrott	Aircraft code D or below
Golf	for pushback: Aircraft code D or below
Tango	max wingspan 80m; >80m tow to Apron 6
Uniform	max wingspan 60m; >36m tow to Apron 5
Victor	max wingspan 28,65m max length 30,3m landing gear width 4,9m
Whiskey	max wingspan 24m, <b>closed</b>
Yankee 1	Aircraft code D or below
Yankee 4	max wingspan 30m
Yankee 5+6	max wingspan 12m
Yankee 7	max wingspan 29m


Tower

Holding Point	Restrictions
Delta 4	Aircraft code C or below
Delta 6	Aircraft code D or below
Delta 7	Aircraft code C or below
Delta 8	Aircraft code D or below
Echo 4	Aircraft code E or below

Efficient Traffic Management

Because of the small apron size in Hamburg, the controller has to guarantee an efficient traffic flow. For this, there are some points to keep an eye on while staffing one of the apron positions:

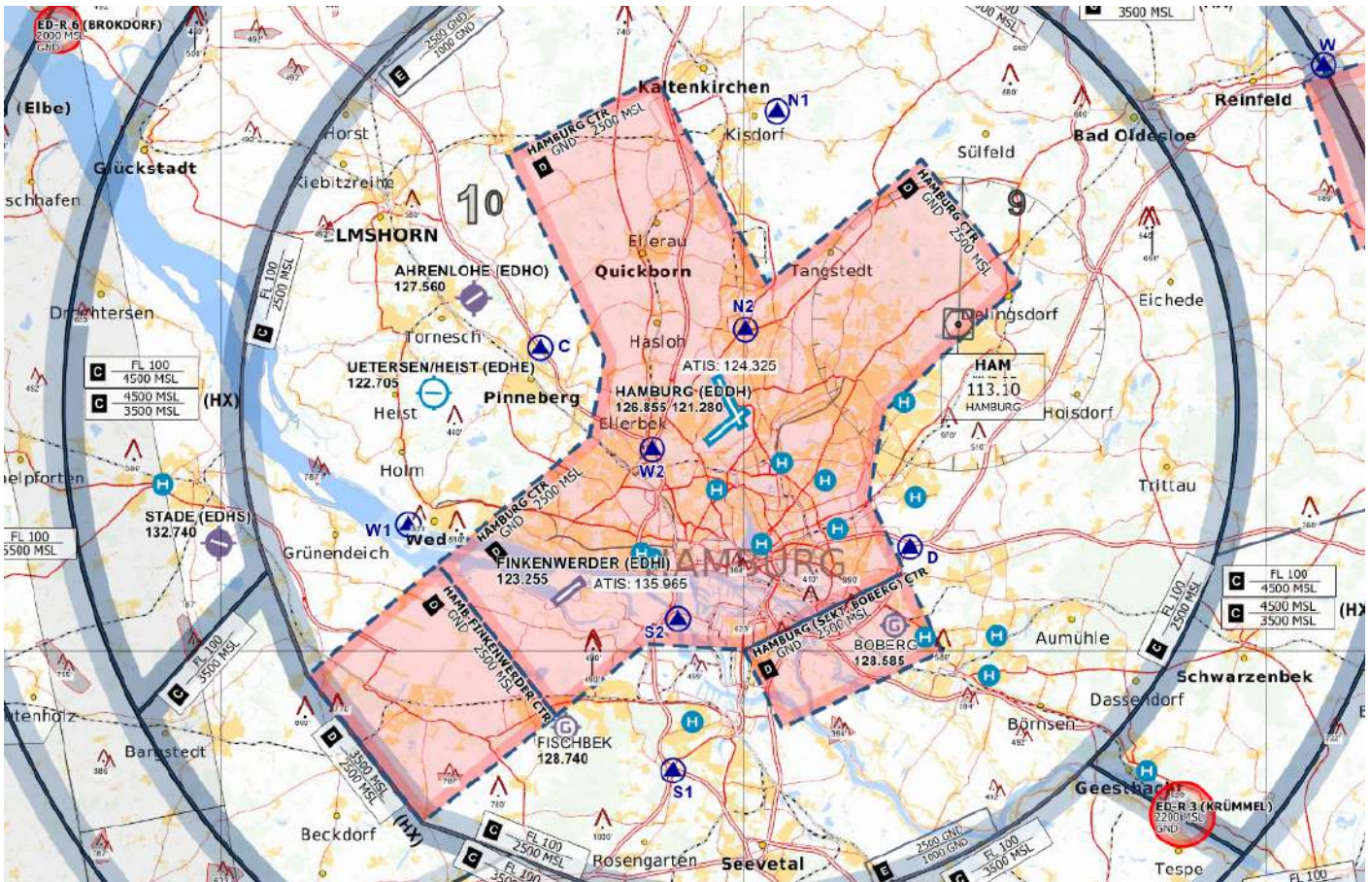


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- In case of traffic crossing runway 15/33 at G/B3: coordinate with Tower and get a release for the runway crossing, so that pilots don't have to switch to tower frequency
  - delay pushbacks if needed to prevent overloaded holding points or taxiways
  - plan pushbacks and their routing the most efficient way
  - make use of the orange and blue line on Z1
  - consider straight out pushbacks from gates 3+4 into Z4
  - 50s stands: to avoid taxi via Z1, consider pushback directions opposite to the usual traffic flow
  - if possible, separate west/east outbound traffic at different holding points
  - Apron 2: coordinate intersection take-offs at D8 (dep. runway 23) or D9 (dep. runway 33)



# Tower

Hamburg Tower is responsible for all arriving and departing traffic. The top level of the airspace D control zone is 2500ft MSL. Above this altitude, airspace C covers this area around Hamburg within responsibility of Hamburg East/West Approach.



Controlzone of Hamburg Airport - © [openflightmaps.org](https://openflightmaps.org)

**Finkenwerder:** In the west side of the control zone is the Airbus Airport Finkenwerder EDHI. Traffic to and from Finkenwerder can cause critical situations in Hamburg. The responsible radar controller will give information about traffic. It may be necessary to:

- clear VFR aircraft in the area
- hold back departures, in coordination with radar

Additionally, when EDHI\_TWR is unstaffed the whole aerodrome or some procedures (e.g. VFR from EDDH for one touch and go in EDHI) can be delegated from radar to Hamburg Tower.

**Hamburg CTR, Boberg Sector:** only active at 33 arrivals or 15 departures



**Ham-Finkenwerder CTR:** only active with traffic in EDHI - airspace is in responsibility of Finkenwerder Tower (or Hamburg East Approach top-down)

# Runways

Hamburg has a dependent crossing runway system with two runways.

**Preferred Runway Config:** 23 arrival and 33 departure is preferred and is used as long as possible (5kt tailwind component, pilot reports). All other runway configurations decrease your efficiency, increase target spacing for arrivals and causes more congestions on the ground.

**Helper:** EDDH Wind/Runway Chooser

# Specialties

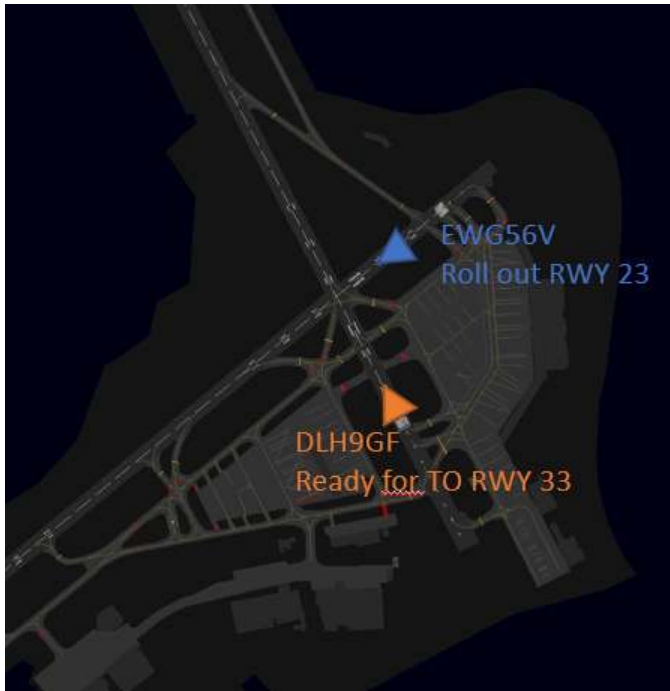
Crossing runways are dependent, when runway clearances block the runway cross.

Example: An active landing clearance on runway 23 prohibits departure from runway 33.

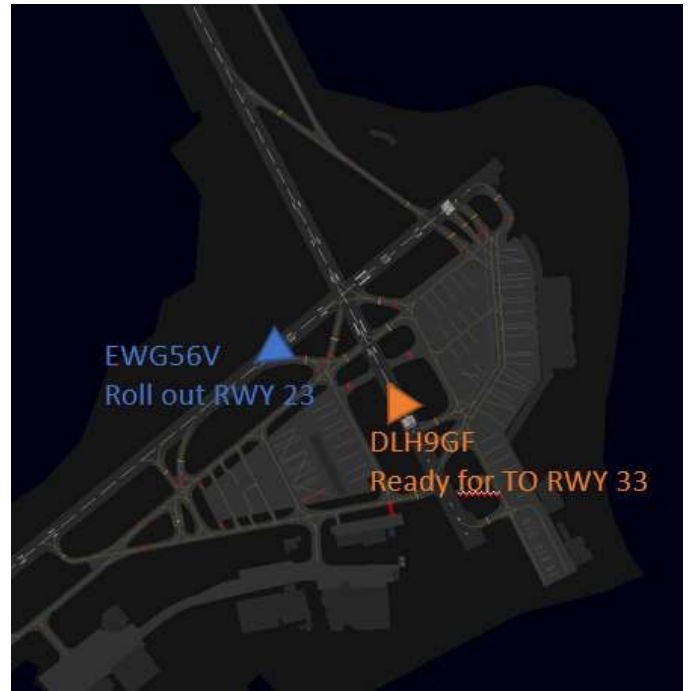
When traffic is behind the cross and will not cross it with the clearance, runways are „independent“ and a clearance on the other runway can be issued. Otherwise traffic have to vacate, be airborne or cross the runways crossing.

# Visual example

blue = landing traffic RWY 23, orange = traffic ready for departure RWY 33



Runway 33 **blocked!**



Runway 33 **clear**, a take-off clearance can be issued

## Crossing Runway Wake Turbulence Separation

Due to the position of the runway cross and the distinct system of separated landing and departure runways, there are only two situations which need to be watched for crossing wake turbulence separation:

- 05 or 15 departure with a go-around on the other runway. Departure needs to be delayed anyway due to missed approached procedure leading to HAM VOR!
- 33 light type departures before the runway cross. Prefer to assign intersection D9/A6 at the runway cross

## Area of Responsibility



**Movement at GA delegated to Tower (green area):** Taxiing out of and into the general aviation parking area is delegated to tower to ensure a steady traffic flow. Parking positions are not assigned to arriving traffic. Outbound traffic should be handed off to tower when they report ready for pushback or taxi, whichever comes first.

## Departures

**General Departure-Release:** Departures do not have to be released by EDWW (Bremen Radar) unless:

- EDWW explicitly restricts departures by time, SID or until further notice
- Departures out of the non operational runway config
- The first departure after a runway change
- The first departure after an unplanned missed approach

**Auto-Handoff:** Hamburg has an auto-handoff to the departure frequency when passing 2000ft, as stated in the charts. A short "bye bye" at the end of the take-off clearance can help vPilots to get the hint.

**Spacing:** Departures shall be separated with a minimum of 3nm or wake turbulence separated, whichever is greater. When two aircrafts have the same SID the separation shall be increased to 5nm or wake turbulence separation whichever is greater. Different aircraft performances and climb speeds need to be taken into account.

**Efficiency:** Try to sequence departures with alternating SID directions, left/right in relation of the runway track. In case of two westbound departures (different SIDs) out of runway 33, more spacing (5nm) is preferred but not mandatory, as all aircrafts fly the same route until ELSOB.

As there are distinct landing and departure runways, use lineups constantly to issue take-off clearances as soon as possible.

## Arrivals

**Approaches:** By default, the ILS Approach is used for all arrivals, except runway 33 or coordinated otherwise.

**Runway 23 (very often):** The target spacing is only 3nm on runway 23. In high traffic situations pilots need to vacate as soon as possible. Most of the time the phrase *"taxi left via D1, hold short of*

runway 33" is used.

**Runway 15 (regularly):** The first exit is E4 to the left. Depending on the spacing on the final and planned parking position, long rollouts might be instructed to vacate left via A6 or right via D9.

**Runway 05 (some times):** Same as runway 23 pilots should vacate as soon as possible and be guided onto D1. In this case to have enough time for departures out of runway 33 before the next arrival is on short final.

**Runway 33 (only at very strong winds):** This RNP only approach is being avoided as long as possible as its path is directly above Hamburg city. All arriving traffic will taxi via E1 to hold short of runway 23 within the responsibility of the tower.

One of your primary objectives with arrivals is to keep the runways useable. Unfortunately some vPilots will hold before the holding line blocking the runway, unless you keep them rolling. Issue taxi instructions as soon as possible.

Handover to apron will take place as early as possible, at the latest when reaching the boundary of responsibility.

## Missed Approaches

In case of an unplanned missed approach, the Tower controller shall inform Hamburg East Approach immediately. Traffic will be handed over to Hamburg East Approach after coordination.

The next departure is always subject to release, if not coordinated otherwise ([Departure Release](#)).

## Efficiency

**Reduced Runway Separation (RRS):** Reduced Runway Separation can be applied on both runways for all categories.

**Sequencing traffic:** Keep up clearances and rolling instructions. A good sequence on default config (23/33) looks like:

- Landing Clearance runway 23
- Lineup runway 33

- Cross D1 traffic at runway 33 and send to East Apron
- Takeoff Clearance runway 33
- Taxi arrival on D1 hold short runway 33

# VFR

Hamburg offers several options for traffic under VFR. There are published holding patterns north and south of runway 05/23 and east of runway 15/33. (Caution: not every virtual pilot is familiar with these holdings)

VRP	NAV
<b>N1</b>	East abeam Kisdorf/Henstedt-Ulzburg
<b>N2</b>	Large roundabout at federal street B432
<b>D</b>	Highway junction A1 and A24
<b>S1</b>	Highway junction A7 and A261
<b>S2</b>	Bridge Köhlbrandt "Köhle"
<b>W1</b>	Marina/Yachthafen Hamburg, River Elbe
<b>W2</b>	Highway junction A7 and A23
<b>C</b>	Highway exit A23 Pinneberg-Nord, Radio Tower

**VRPs W2 + N2:** these reporting points are pretty close to the runways. Be careful and respect the current runway config. Possible landing, departing and go-around traffic.

**Finkenwerder:** Good coordination between tower and approach is needed in case of traffic at EDHI Finkenwerder.

**VFR Departure Efficiency:** Take into consideration where the traffic is leaving the CTR and avoid an unnecessary runway overfly after take-off. For example at 23/33: VFR leaving the CTR to the south can better be departed from runway 23 without blocking the departure sector or a runway overfly / crossing the final.

**VFR Traffic Circuits:** Try to use the traffic circuit of the landing runway without crossing the departure runway. This avoids most of the wake turbulence separations and departure delays.

Examples:

- traffic circuit 23 behind 33 departures
- right traffic circuit 05 behind 33 departures
- traffic circuit 15 behind 23 departures

# VFR - Tower (EDDH\_VFR\_TWR)

Tower, East Apron, and Delivery need to be online before the VFR Tower can be staffed. Usually only staffed at the Hamburg Harbor Festival and the Overload Real-life Event.

In reality the Hamburg VFR Tower is a station to provide precise traffic information using radar coverage and to organize the VFR traffic flow efficiently. Its area of responsibility includes all VFR flights in the area of the control zone, as well as entry/exit/through flights. Traffic circuits and runway clearances remain the responsibility of the normal EDDH\_TWR.

In order to provide traffic information with exact and verified altitude information, the EDDH\_VFR\_TWR may assign squawks and delegate the squawk assignment for departing traffic from Hamburg to Apron/Tower. Departures are handed over to the radar tower after takeoff. Individual arrangements can be made for handovers of approaches to Hamburg but for certain runway configurations the Outer Alster is recommended as a visual reference point in the south of the airport.

The efficient handling of traffic can only be guaranteed through good cooperation and coordination between the tower and the radar tower.

## Helicopters

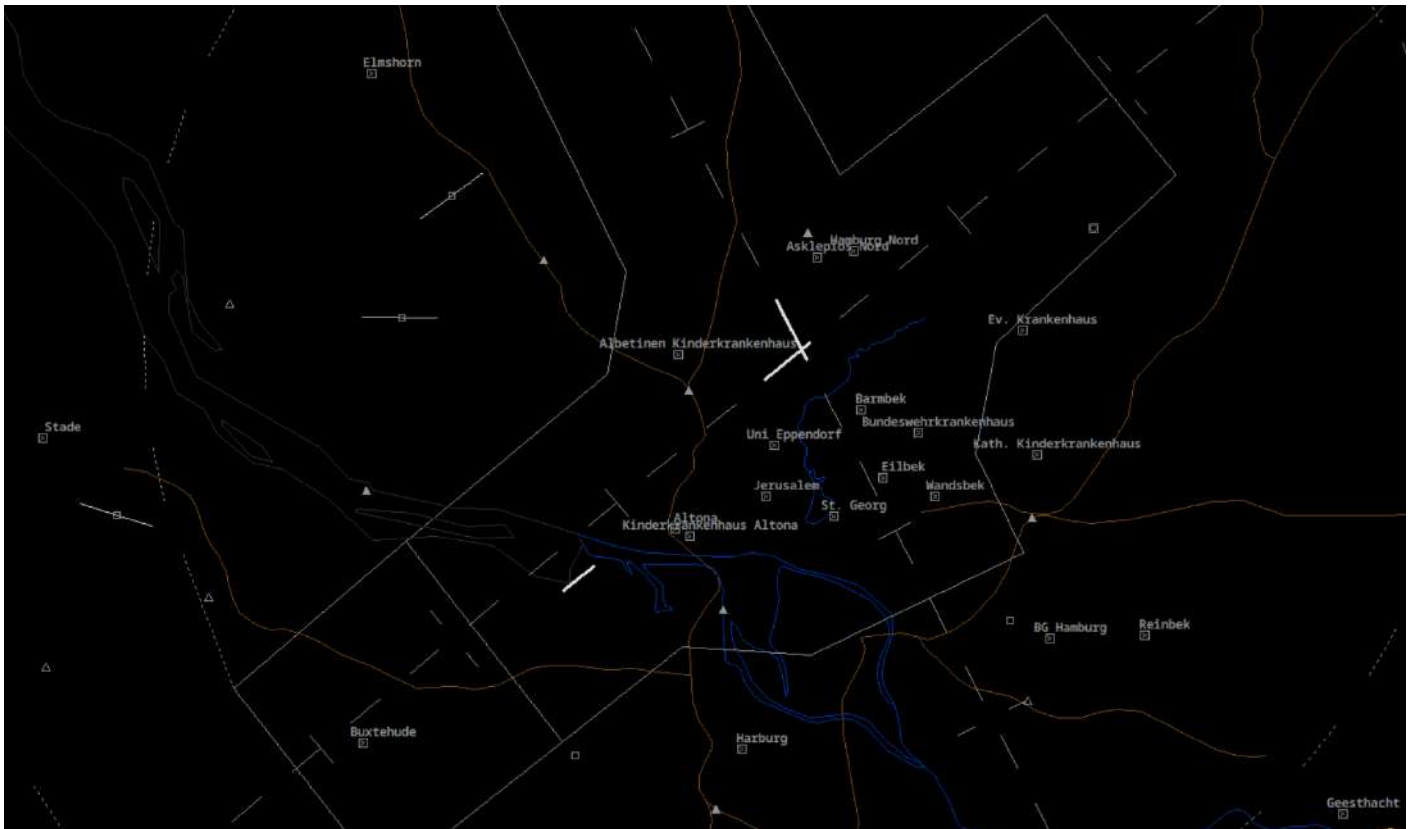
Departures directly from the parking position are not permitted. All helicopter traffic needs to air-taxi from and to the helipad, except helicopters based at the police station.

**Helipad West:** Main arrival/departure point for helicopters in Hamburg.

**Helipad East:** Helipad East between B1 and B3 is not used that often or is closed via NOTAMS. Prefer using Helipad West.

**Police helicopters:** The police helicopters are based at Hamburg Airport east of apron 5 (H Pol1 / H Pol 2), Callsign "Libelle". These helipads are not reachable via air-taxi and can only be used for direct arrival/departures. Pilots will communicate directly with the tower.

**Rescue helicopters:** There are no rescue helicopters located at the airport but within the area of the tower control zone. In EuroScope the surrounding hospitals with helicopter platforms are marked as square with an x inside. The names can be activated with ALT-H.



# Low Visibility Operations (LVO)

At Hamburg, the following runway configurations are allowed during LVO:

- Departures 33\*, Arrivals 23 (preferred configuration)
- Departures 23, Arrivals 23 (alternative configuration)

Single Runway Operations during LVO requires a larger spacing between arriving traffic. Therefore 33 Departures, 23 Arrivals is the preferred runway configurations whenever RVR and wind permit.

\* Note: Runway 33 can only used for departing traffic if the RVR is not less than 150 m.

When the weather condition requires low visibility operations the use shall be announced in the ATIS. At runway 23 the CAT II / CAT III needs to be used.

Use **&lvp** in the ATIS maker URL or "LOW VIS OPS" flag in the NOTAM menu of vATIS.

# Arrival

<b>Hamburg East</b>	HAME	EDDH_E_APP	119.510	Primary Station
<b>Hamburg West</b>	HAMW	EDDH_W_APP	134.255	--
<b>Arrival</b>	DHAT	EDDH_F_APP	118.205	--

**If only Hamburg East is online, it will cross-couple both frequencies of HAME + HAMW.**

**Area of Responsibility:** The Hamburg Approach airspace reaches up to FL105 and covers Hamburg Fuhlsbüttel (EDDH), Hamburg Finkenwerder (EDHI) and Lübeck Blankensee (EDHL). To the west of the Elbe River, the AoR is divided. The lower part up to FL65 belongs to the Friesland Sector (EDDW\_APP), between FL65 and FL105, HAMW is responsible.

The airports Lübeck Blankensee (EDHL) and Hamburg Finkenwerder (EDHI) are covered by HAME in the absence of a tower.

Operations at Hamburg Finkenwerder (EDHI) can be in parts/temporarily delegated to EDDH\_TWR, e.g. for a touch and go of a VFR pilot in the EDDH\_TWR CTR.

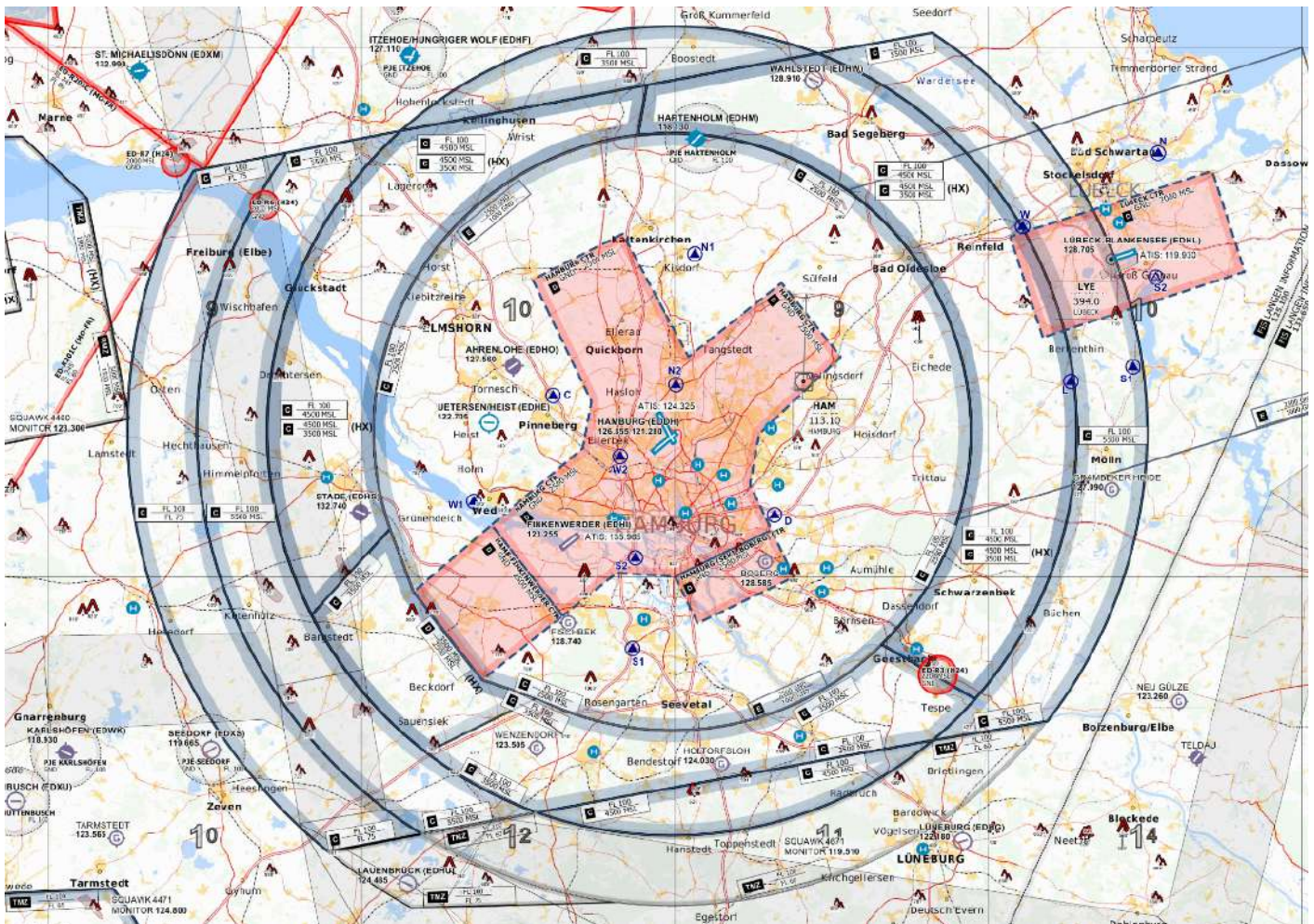




**Airspace:** The inner ring of airspace C starts at 2500 feet MSL and ends at FL100. Additional rings are similarly dimensioned and start at 3500/4500/5500ft MSL or FL75 respectively. In order to keep arriving IFR traffic inside protected airspace, a TMZ located north of NOLGO between FL60/FL75 and FL100 has been set up.

Airspace C (HX) sectors east and west of Hamburg are generally considered active and may be deactivated on pilot's request.

Airspace D (HX) west of Finkenwerder is generally active if RWY 05 is in use at Hamburg-Finkenwerder.



Charlie + TMZ Airspace of Hamburg and Lübeck - © [openflightmaps.org](https://openflightmaps.org)

**Minimum Vector Altitude:** The minimum vector altitude can be displayed in the DFS Pack with `Alt + M`.

## Arrivals

According to SOP, all arriving aircraft are cleared for a STAR by Center. Individual coordination and operating changes can be made anytime depending on the expected traffic.

## Approach types:

Runway	SRA	RNP	ILS CAT I / LOC	ILS CAT II	ILS CAT III
23					
05					
15					
33					

*All, precision and non-precision approaches start a 3000ft.*

**Normal Procedures:** During normal and low-traffic operations, radar vectors are used for arriving traffic before reaching the IAF.

Early directs to DH/HI/HL waypoints in coordination with adjacent sectors are to be used.

**High-traffic operation:** With increasing traffic density, it is typically common to refrain from using direct routes and instead utilize published procedures (STARs). It is important to ensure that arriving traffic descends promptly to separate it from departures.

**Very high traffic operation:** If an extremely high traffic density leads to the inability to maintain the target spacing, the center sectors are to be informed immediately. See Holding section

**Hamburg Finkenwerder Arrivals:** For Finkenwerder, there are no STARs available; instead, RNAV procedures can be cleared from RIBSO/BOGMU/RARUP/NOLGO. These procedures terminate at IF HI256 or HI035, respectively. Arrivals and departures to/from Finkenwerder pose an increased potential for conflict with EDDH procedures. A departure stop for EDDH may be imposed in certain runway configurations for safety reasons. Coordination with Hamburg Tower should be done in all cases, as a go-around could become problematic.

If possible, all flights to/from Hamburg and Finkenwerder should be kept within controlled airspace (TMZ/D/C). In Lübeck, the procedure is not applicable due to the airspace structure.

## Hambruch Arrival

Hamburg Arrival is responsible for all arriving aircraft at EDDH and EDHI. There is no area of responsibility for Hamburg Arrival. The transfer from Bremen Radar to Hamburg Arrival shall be done when the aircraft is cleared for the downwind as coordinated.

## Target separation

*In principle, these values are to be understood as minima and should be extended upon request from a tower for VFR traffic. The separations are chosen in a way that the gaps for departures are sufficiently large. Smaller spacing values can be coordinated at any time.*

**The wake turbulence separation must be assured!**

Departure Runway	Arrival Runway	Target Separation (nm)
33	23	3
33	05	5
23	15	5
05	15	5
05	05	6
15	15	6
23	23	6
33	33	6
33 (LVO)	23 (LVO)	7
23 (LVO)	23 (LVO)	10

## Holdings

See [Holdings Hamburg Inbounds](#)

*In future there will be more information on this page either.*