



LETTER OF AGREEMENT

between

VATSIM Germany
RG Bremen (EDWW)

and

VATSIM Germany
RG Berlin (EDBB)

Version: Feb 2022

Effective: 25. Feb 2021

GENERAL

- The involved parties shall inform each other of any changes which may affect the procedures specified in this LoA.
- They shall make sure that their controllers have understood the procedures in this LoA and apply them correctly.
- Handoffs (transfer of communication) shall be made at least 10 NM prior the respective boundary (FIR border, APP airspace, delegated airspace). After handoff, traffic is NOT released for climb, descent and turns.
- Spacing between two aircrafts on same level and same routing shall be at least 10 NM.
- Flightlevel allocation:
 - From Bremen ACC (EDWW) to Berlin ACC (EDBB) on ODD flightlevels
 - From Berlin ACC (EDBB) to Bremen ACC (EDWW) on EVEN flightlevels
 - FL 250 is not available for cruising level (RF) within the Bremen FIR
- Traffic shall be handed off at the levels defined in the regulations below. If a specified level restriction cannot be met due to a lower RFL, traffic shall be handed off at RFL, if this does not cause a conflict with any other traffic. Otherwise, traffic shall be coordinated.
- In low traffic situations internal agreement to clear traffic DCT to FIR boundary is recommended to avoid excessive coordination with the appropriate Sectors.
- All in this LoA not listed flights can be transferred in cruise or under consideration of sector boundary.
- Deviations must be coordinated between the concerned sectors.

VATSIM Position Names

ATS unit	Sector	Callsign	Frequency	VATSIM code
Maastricht UAC	Celle	Maastricht Radar	133.950	EDYY_C_CTR
	Holstein		120.950	EDYY_H_CTR
	Jever		134.700	EDYY_J_CTR
	Solling		131.375	EDYY_S_CTR
Karlsruhe UAC	Havel	Rhein Radar	133.750	EDUU_H_CTR
	Spree		128.075	EDUU_P_CTR
	Ostsee		133.025	EDUU_O_CTR
	Saale		122.625	EDUU_A_CTR
EuroCenter	Maastricht East	Maastricht Eurocontol	135.450	EURM_E_CTR
	Maastricht West		135.750	EURM_W_CTR
Bremen ACC (EDWW)	Aller	Bremen Radar	123.925	EDWW_A_CTR
	Deister		128.750	EDWW_D_CTR
	Eider East		124.075	EDWW_E_CTR
	Heide		125.850	EDWW_H_CTR
	Harz		126.650	EDWW_R_CTR
	Combined		133.725	EDWW_CTR
	Hamburg Arrival East		119.525	EDDH_E_APP
	Hannover Arrival		131.325	EDDV_APP
Bremen ACC (EDBB)	Börde		123.225	EDWW_B_CTR
	Müritz		124.175	EDWW_M_CTR
	Mark		136.050	EDWW_K_CTR
München ACC (EDBB)	Gera	München Radar	133.225	EDMM_G_CTR
	Meißen		124.950	EDMM_M_CTR
	Halle		118.225	EDMM_H_CTR
	Combined		124.050	EDMM_CTR
	Thüringen Low Nord		126.075	EDDP_N_APP
	Thüringen Low Süd		126.175	EDDP_S_APP

FLIGHTS FROM EDWW TO EDBB

DEP	DES	COPX	FL	SEC	RMK
-	EDDB	BATEL, BKD	250	MAR	-
-	ETNL	RAMAR	250	MRZ	-
-	ETNL	GARLU	270	MAR	-
-	EDDP, EDAC	EMBOX	230	BOR	-
-	EDBM, EDBC	POVEL, ABGUS	110	BOR	-
-	EDDE	ABGUS	190	TRLN	-
-	EDDE	BERDI	150	TRLN	-
-	EDAZ	BERDI	190	TRLN	-
-	EDDP RWY 08	BERDI	170	TRLN	-
-	EDDP RWY 26	BERDI	190	TRLN	-
-	EDDP RWY 08	ADMOS	150	TRLN	-
-	EDDP RWY 26	ADMOS	170	TRLN	-
EDDH, EDHI, EDHL	-	ROSOK	230	MRZ	-
EDDH, EDHI, EDHL	-	BERIM	230	MRZ	-
EDDH, EDHI, EDHL	-	NUSGU	230	MAR	-
EDDH, EDHI, EDHL	-	BUMIL	230	MAR	-
EDDH, EDHI, EDHL, EDDW	-	LARET	ANY ODD	SAL	Not climbing
EDDV, ETNW	-	ELTED, MAG	230	BOR	
EDVK	-	ABGUS	230	BOR	-
EDVE	-	ELTED, MAG	150	BOR	Released for Climb
EDDV	-	BATEL	230	MAR	-
EDVE	-	BATEL	150	MAR	Released for Climb
EDDV, ETNW	-	GALMA	230	HAL	-
EDVE	-	GALMA	170	TRLN	-
EDVK	-	BERDI	170	TRLN	-

FLIGHT FROM EDBB TO EDWW

DEP	DES	COPX	FL	SEC	RMK
-	EDDH, EDHI, EDHL	BUMIL	240	HEI	-
-	EDDH, EDHI, EDDW	BERIM	240	HEI	-
-	EDHL	BERIM	100	HAME	-
-	EDDW	NEBUN	240	HEI	-
-	EDDV, EDVE	BKD	200	HEI	-
-	EDDV RWY 09	HLZ	220	HRZ	-
-	EDDV RWY 27	HLZ	180	HRZ	-
-	EDDV, ETNW	BIRKA	220	HRZ	-
-	EDVE	BIRKA	180	HRZ	-
-	EDVK	KUMER	180	HRZ	-
ETNL	-	BERIM	260	HOL	-
ETNL	-	BUMIL,GARLU	260	CEL	-
EDDP	-	POVEL	260	SOL	-
EDBC	-	ABGUS	70	HRZ	Released for Climb
EDBC, EDBM	-	POVEL	120	HRZ	-
EDBM	-	ABGUS	100	HRZ	-
EDDE	-	BIRKA	200	HRZ	-
EDDE	-	KUMER	180	HRZ	-
EDDP	-	KUMER	280	SOL	-
EDDB	-	HLZ	NOTE A	1.CEL 2.HRZ	Released for FL340, left turns
EDDB	-	POVEL	NOTE A	1.SOL 2.HRZ	Released for FL340
EDDB	-	NEBUN	FL300	1.CEL	Released for FL340, left turns

NOTE A: See Appendix A (page 7)

1. When RFL is above FL245
2. When RFL is below FL245

TACTICAL DIRECTS FROM EDBB TO EDWW

The following tactical directs may be used without prior coordination provided those waypoints are on FPL route and traffic remains clear of adjacent sectors/centers and active military airspace*:

From	To	Direct
EDUU Sector Ostsee (OSE) Sector Havel (HVL)	EDYY Sector Holstein (HOL)	<ul style="list-style-type: none"> - EEL (clear of MUN Sector) - TUGDU
EDUU Sector Ostsee (OSE) Sector Havel (HVL)	EDYY Sector Celle (CEL)	<ul style="list-style-type: none"> - NORKU - RKN - DENOL - PODER - OSN - ABAMI - EEL (clear of MUN Sector) - NVO (clear of FFM Sector)
EDUU Sector Havel (HVL) Sector Saale (SAL)	EDYY Sector Solling (SOL)	<ul style="list-style-type: none"> - NORKU - RKN - ABAMI - TUGDU - NVO (clear of FFM Sector)
EDWW Sector Börde (BOR)	EDYY Sector Solling (SOL)	<ul style="list-style-type: none"> - PODER - DENOL
EDWW Sector Börde (BOR) Sector Mark (MAR)	EDWW Sector Harz (HRZ)	<ul style="list-style-type: none"> - WRB - DENOL - PODER

* The receiving Sector is responsible to inform adjacent sectors about active military airspace.

TACTICAL DIRECTS FROM EDWW TO EDBB

The following tactical directs may be used without prior coordination provided those waypoints are on FPL route and traffic remains clear of adjacent sectors/centers and active military airspace*:

From	To	Direct
EDYY Sector Holstein (HOL) Sector Celle (CEL)	EDUU Sector Ostsee (OSE)	<ul style="list-style-type: none"> - BAKLI - OKAGA - DETNI - BINKA - BODLA - BINKA - HDO
EDYY Sector Celle (CEL) Sector Solling (SOL)	EDUU Sector Havel (HVL)	<ul style="list-style-type: none"> - SUBIX - LASIS (clear of SAL Sector) - HDO
EDYY Sector Solling (SOL)	EDUU Sector Saale (SAL)	<ul style="list-style-type: none"> - LASIS - HDO - OMELO - LALUK - SODRO

* The receiving Sector is responsible to inform adjacent sectors about active military airspace.

Appendix A**Special Provisions for EDBB Outbounds:**

1. Aircraft departing out of Berlin via HLZ and POVEL will be cleared FL280 by EDWW
3. When reaching FL280 east of the "BOR Release Line" aircraft will be handed over to EDUU
4. When reaching FL280 at or west of the "BOR Release Line" aircraft will be handed over to EDYY
5. EDUU will clear aircraft to FL300 (Higher has to be coordinated)
6. Flights within EDYY UAC via POVEL are released for climbing to FL340
7. Flights within EDYY UAC via HLZ and NEBUN are released for climbing to FL340 and left turns

"BOR Release Line"