![VATSIM Germany]

LOCAL OPERATIONAL PROCEDURES

within

Bremen ACC

Effective: October 30, 2024 (AIRAC 2511)

1 General.

1.1 Purpose.

The purpose of these Local Operational Procedures and Orders is to define the coordination to be applied within Bremen ACC when providing ATS to air traffic (IFR/VFR) on the VATSIM network.

All information and procedures described in this Document shall not be used for real world purposes.

1.2 Validity.

The Local Operational Procedures and Orders laid out in this document become effective on October 30, 2025 (AIRAC 2511) and supersede previous LOP Bremen ACC from March 20, 2025 (AIRAC 2503).

1.3 Revision control.

Revision	Date	Author
1.0	23.03.2023	Hannes Altmann, Chris Gutierrez
1.1	18.05.2023	Hannes Altmann
1.2	13.07.2023	Hannes Altmann, Chris Gutierrez
1.3	25.01.2024	Hannes Altmann
1.4	13.06.2024	Hannes Altmann
1.5	11.07.2024	Hannes Altmann
1.6	03.10.2024	Hannes Altmann
1.7	23.01.2025	Hannes Altmann
2.0	20.03.2025	Hannes Altmann
2.1	30.10.2025	Hannes Altmann

2 Areas of Responsibility and Sectorization.

2.1 Areas of Responsibility.

The lateral and vertical limits of the respective areas of responsibility are as follows:

2.1.1 Bremen ACC.

Lateral limits: Bremen FIR and Rhein UIR as described in AIP Germany

Vertical limits: GND – FL245 (Bremen FIR)
FL245 – FL285 (Rhein UIR)

2.2 Sectorization.

The area of responsibility of Bremen ACC includes the delegated airspace as laid out in the Letters of Agreement with external units.

2.3 Delegation of the Responsibility for the Provision of ATS.

2.3.1 Uelzen Area.

When necessary, sector HAM may request the delegation of ATS within the Uelzen Area from 5500 ft AMSL to FL105 from sector HAN. Sector HAM shall inform sector HEI and Fassberg APP about the beginning and termination of the delegation (see Appendix A).

2.3.2 ARSAP Overflow Area.

During high-traffic situations, sector FLG may request delegation of ATS within the ARSAP Overflow Area from FL165 to FL235 to sectors DBDN/DBDS (see Appendix B).

Sector FLG shall also inform sector MAR and BOR about the beginning and termination of the delegation. During the activity of ARSAP Overflow Area, sector DBDS shall transfer traffic via ARSAP and SUBIX according to the current version of the LoA between EDWW ACC and EPWW ACC.

Due to Euroscope limitations, sectors DBDN, DBDS, BOR, FLG and MAR shall set any runway active at EDAE when the ARSAP Overflow Area is active. This is necessary to delegate this sector correctly and to generate correct sector predictions. To deactivate the area, deselect any runway at EDAE.

3 Procedures for Coordination.

3.1 Definitions.

Wherever VATSIM callsigns are used to describe the terms of a certain procedure, this procedure is also applicable for all higher stations that take over the responsibilities of said station. E.g., procedures for an APP-stations are also applicable for the respective CTR station fulfilling the duties of said APP station.

3.1.1 Release for Turn.

Unless agreed or determined otherwise, a RELEASE FOR TURN contains the approval for the accepting sector to turn the specific aircraft by a maximum of 45 degrees.

For the following traffic a RELEASE FOR TURN applies without the above-mentioned value of 45 degrees:
- Traffic transferred from sectors DBDN/DBDS to sectors BOR, FLG and MAR
- Traffic transferred between sectors of sector family North

3.1.2 General Releases.

If not stated otherwise in 3.5, coordinated verbally or given a more restrictive release via TopSky System function, all aircraft after transfer of communication are released for turn, descent or climb (independently from previous vertical direction) and speed control, from the transferring sector to the receiving ATS unit.

3.2 Abbreviations.

ACC	Area Control Center	kts	Knots
AD	Aerodrome	LOP	Local Operational Procedures
ADEP	Aerodrome of Departure	LoR	Line of Responsibility
ADES	Aerodrome of Destination	NM	Nautical Mile
AoR	Area of Responsibility	NVFR	Night Visual Flight Rules
APP	Approach Facility	RFL	Requested Flight Level
ATS	Air Traffic Services	Rlsd	Released
COP	Coordination Point	SSR	Secondary Surveillance Radar
CTR	Center/Enroute Facility		
FIR	Flight Information Region	TMA	Terminal Maneuvering Area
FIS	Flight Information Service	UAC	Upper Area Control Center
FL	Flight Level	VFR	Visual Flight Rules
GND	Ground	WEF	With Effect From
GNG	Global Nav Generator (gng.aero-nav.com)		

3.3 General Conditions.

Coordination of flights shall take place via the agreed coordination points (COP).

Coordinated flights shall be handed off via a valid COP. Any deviation shall be coordinated verbally, by text or by Euroscope inter-sector coordination.

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.

If a traffic situation is not covered herein or closely matching a covered one, individual coordination between the concerned sectors shall be made.

↓FLxxx / ↑FLxxx means „descending / climbing to a specified FL", without any further restriction. Any required crossing/speed restriction shall be added separately. At level means that the aircraft shall be in level flight on a published flight level and in accordance with east/ west odd/even policy.

3.3.1 <u>Vertical Transfers.</u>

If the sector transferring an aircraft specifies that a climbing or descending aircraft to be transferred to the sector above/below will also affect the laterally adjacent sector, the transferring sector shall be responsible for coordination with the adjacent sector.

If the accepting sector is unable to ensure that the aircraft will expeditiously vacate the transfer level, it shall inform the transferring sector thereof without delay. Unless this Operational Order stipulates otherwise, the two sectors shall coordinate whatever is required for the safe continuation of the flight.

3.4 Changes of Runway Direction.

3.4.1 <u>EDDB.</u>

DBAS shall notify DBDN/S, DBAN, DBANT, DBAST, FLG and MAR of any change of RWY direction at EDDB. FLG shall pass this information to BOR. MAR shall pass this information to MRZ.

3.4.2 <u>EDDH.</u>

HAM shall notify ALR, HEI and EID of any change of RWY direction at EDDH.

3.4.3 <u>EDDV.</u>

HAN shall notify HEI, HRZ and EMS of any change of RWY direction at EDDV. HEI shall pass this information to BOR.

3.4.4 <u>EDVE.</u>

HAN shall notify HRZ and HEI of any change of RWY direction at EDVE. HEI shall pass this information to MAR.

3.5 Flights sorted by transferring sector.

3.5.1 EBG BER (Sectors DBAN, DBAS, DBANT, DBAST, DBDN, DBDS).

3.5.1.1 Sectors DBAN, DBAS, DBANT and DBAST.

Arrival AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDAY	**Individual coordination**		EDDB 06 Ops	DBAN	DBDN
	TUVAK	FL100	EDDB 24 Ops	DBAS	DBAN
EDAZ	**Individual coordination**				DBDS
			EDDB 06 Ops		DBAST

Departure AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDAY	**TUVAK**	↑FL90	EDDB 24 Ops	DBAN	DBAS
	GERGA		EDDB 06 Ops		DBDS
	RENKI	↑FL130	-		MAR
EDBM	**ESIKA**	FL100	EDDB 06 Ops	DBAS	DBDS
ETSH	**KOSIX**	FL100	-		BOR
	HOZ	FL130	-		
EDAY	**LUROS**	↑FL130	EDDB 24 Ops		FLG
EDAZ	**BOLBO**	↑FL130	-		
	BOLBO SIDs	↑A40	EDDB 06 Ops	DBST	DBAS

3.5.1.2 Sectors DBDN and DBDS.

Arrival AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDAY	**GERGA**	FL100	EDDB 06 Ops	DBDN	DBAN
	IDOBA	FL100	EDDB 06 Ops	DBDS	DBDN

Departure AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDAY	**RENKI SIDs**	↑FL70	EDDB 06 Ops	DBDN	DBAN
	TUVAK	FL90	EDDB 06 Ops		DBDS
EDDB	**SUKIP SIDs** **KISUC SIDs**	↑FL160	Except via M748 SOGMA		BOR
	SUKIP SIDs		Via M748 SOGMA only		MAR
	GERGA SIDs		-		
	BIKPO SIDs		-		
	ARSAP SIDs **LUROS SIDs**	FL100	EDDB 06 Ops		DBDS
		FL120	EDDB 24 Ops		

EDDB	**KISUC SIDs**	↑FL160	-	DBDS	BOR
	SUKIP SIDs	FL120	-	DBDS	DBDN
	GERGA SIDs	FL90	EDDB 06 Ops		
		FL110	EDDB 24 Ops		
	LUROS SIDs	↑FL160	-		FLG
	ARSAP SIDs		-		
EDBM	**SONUD**		-		
EDAY	**OBANI**		EDDB 06 Ops		
EDAZ	**BOLBO SIDs**	↑A40	EDDB 24 Ops		DBAS

3.5.2 EBG Nord-A (Sectors ALR, HAM, DHAT, HEI).

3.5.2.1 Sector ALR.

Arrival AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDDH, EDHI, EDHL	**RIBSO**	↓FL110	-		HAM
EDVE	**Individual coordination**		-		HEI
EDHK, EDXF, EDXR, EDXW	**OMWEG**	↓FL110	-		EID
ETNH, ETNS	**ELSOB**				EID
ETMN	**Individual coordination**			ALR	EID
EHGG, EHLE	**OMEPA**	↓FL180	-		EID
EDWE, EDWF	**OMEPA**		-		FRI
EDDW	**EKROV**	↓FL110	-		FRI
EDDW	**GIBMA**		-		FRI
EDDV, ETHB, ETHC, ETNW	**IDEKO**	↓FL150	-		EMS

Departure AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDDW	**GESTO SIDs**	FL150	-		HEI
EDDW	**HAM**	FL240	-	ALR	HEI
EDDH, EDHI	**HABFU**	↑FL200	Out of FL150		EMS
EDDH, EDHI	**IDEKO**				EMS

3.5.2.2 Sectors HAM and DHAT.

Departure AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDDH, EDHI	**HABFU SIDs**	↑FL100	-		ALR
	IDEKO SIDs		-		ALR
	WSN SIDs		-		ALR
	AMLUH SIDs		-		HEI
	LUGEG SIDs		-		HEI
	RAMAR SIDs		-	HAM	HEI
EDHL	**RAMAR SIDs**		-		HEI
	LUGEG SIDs		-		HEI
	HAM SIDs		-		HEI
EDHI	**HAM SIDs**		-		HEI
EDDH, EDHI	**ELSOB SIDs**		-		EID
EDDH	**SOKWO SIDs**		-		EID

Arrival AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDHL	**OLUBI**	FL100	-	HAM	MRZ
	BERIM		-		

3.5.2.3 Sector HEI.

Arrival AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDWE, EDWI, ETMN	**HAM**	FL240	-	HEI	ALR
	AMLUH		-		
ETMN	**BOGMU**				
EDDW	**GESTO**	↓FL160	-		
EDDH, EDHI, EDHL	**RARUP**	↓FL110	-		HAM
	BOGMU		-		
	NOLGO		-		
EDXF, EDXR	**SOKWO**		-		EID
EDHK	**OTAHO**		-		
ETNH, ETNS	**HAM**		DCT HNT/SWG		
	LUGEG				
	NUSTA				
EDDV, ETNW	**CEL**		-		HAN
EDVE	**DIRBO**		-		
	ULSEN		-		

Departure AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDHL	**Individual coordination**		-	HEI	ALR
EDVE	**NIE SIDs**	FL140	-		EMS
EDDH, EDHI, EDHL, EDHK	**NUSGU**	↑FL230	Out of FL170		MAR
	PABMI				
EDDV, ETNW	**DIRBO**		-		
EDDW	**NEBUN**		If RFL below FL285 only		
EDVE	**BATEL**	↑FL150	-		
EDDV		FL230	-		
ETNH, ETNS	**LUWIL**		If RFL below FL285		
EDDH, EDHI, EDHK	**OLUBI**	↑FL230	-		MRZ
	BERIM		-		
ETNH, ETNS	**LAG**	FL230	If RFL below FL285		

3.5.3 EBG Nord-B (Sectors EID, FRI).

3.5.3.1 Sectors EID and FRI.

Arrival AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDDW	**REVLA**	↓FL150	Out of FL200	EID	ALR
EDDH, EDHI, EDHL	**Individual coordination**		-		HAM
ETNT			-		
EDWI	**SUQIF**		-		FRI
EHGG	**ABFAD**	↓FL110	-		
	LAZOQ		-		
	AMCUB		-		
	GASTU		-		
	ITMIZ		-		

Departure AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EHGG	**REVLA**	↑FL230	-	EID	ALR
EDWE, EDWF		↑FL140	-		
EDXW	**Individual Coordination**		-		
EDHK, EDXF, ETNH, ETNS			-		HEI
			-		
EDWI	**MALYK**	↑FL150	-		EMS
EDWI	**OPWOT**		-	FRI	ALR
EDDW	**GESTO SIDs**		-		
	WSN SIDs		-		
	OKWEL SIDs		-		
EHGG	**ZUFFA**	↑FL100	-		EID
	ABFAD		-		
	GASTU		-		
	SUQIF		-		
EDWI	**OKWEL**		-		
ETNT	**Individual coordination**				
EDDW	**WIMCI SIDs**		-		EMS
	NIE SIDs	↑FL100	-		
	SOFED SIDs		ABDIM DCT ITMIZ		
EHGG, EDWE, EDWF	**MALYK**		-		

3.5.4   EBG Ost (Sectors BOR, FLG, MAR, MRZ).

3.5.4.1   Sector BOR.

Arrival AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
ETSH	BARAP	FL110	-	BOR	DBAS
	KOSIX		-		
EDAZ	KOSIX	FL90	EDDB 06 Ops		
			EDDB 24 Ops		DBDS
EDAE, EDAV, EDAY, EDBW, EDON	KISUC	FL170	-		DBDS
ETSH	LUPAK		-		
	PENEK		-		
ETNW	HLZ	FL180	-		HEI
EDDV	HLZ		EDDV 27 Ops		
		FL220	EDDV 09 Ops		
EDDC, EDAC, EDAB	NISGA	FL230	-		FLG
EDDB	MAG	FL230	MAG DCT KLF		
ETNL, EDAH, EDBH, EDBN	EVOKI	FL270	-		MAR
EDVE	HLZ	FL80	-		HAN
EDDW, ETNW, EDDG, EDLI	POVEL	FL240	-		HRZ
EDVK, EDLP, EDLI, EDFQ, EDDF, EDGS	ABGUS		-		

Departure AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDBM	BUROK	FL90	EDDB 06 Ops	BOR	DBAS
			EDDB 24 Ops		DBDS
EDBC	SONUD	FL230	-		FLG
EDBM, EDBC	BUREL	FL160	-		MAR
EDDP, EDAC, EDAZ		FL240	-		
EDBM, EDBC	POVEL	FL120	-		HRZ
EDBM	ABGUS	FL100	-		
EDBC		↑FL70	-		

3.5.4.2 Sector FLG.

Arrival AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDBM, EDBC	**SONUD**	FL280	-	FLG	BOR
EDDB	**KLF**	↓FL140	-	FLG	DBAS
EDDB	**NUKRO**	↓FL140	-	FLG	DBAS
EDDB, EDAY	**ATGUP**	↓FL140	-	FLG	DBAS
EDAY	**LUROS**	↓FL140	-	FLG	DBAS
EDAZ	**POGAB**	↓FL140	-	FLG	DBAS
EPSC	**ANEBO**	FL200	-	FLG	MAR
EPSC	**GERGA**	FL200	-	FLG	MAR

Departure AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
ETSH	**LUPAK**	FL200	-	FLG	BOR
ETSH	**PENEK**	FL200	-	FLG	BOR
ETSH	**BARAP**	FL200	-	FLG	BOR
EDAZ	**KOSIX**	FL180	-	FLG	BOR
EDAZ	**GERGA**	FL220	-	FLG	MAR

3.5.4.3 Sector MAR.

Arrival AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDBM, EDBC	**SOGMA**	FL170	-	MAR	BOR
EDDP, EDAC, EDAZ	**SOGMA**	FL230	-	MAR	BOR
EDDB	**OGBER**	↓FL140	-	MAR	DBAN
EDDB	**KETAP**	↓FL140	-	MAR	DBAN
EDAE, EDAV, EDAY, EDBW, EDON	**RADEL**	↓FL140	-	MAR	DBAN
EDAY	**RENKI**	↓FL140	-	MAR	DBAN
EDDV, ETNW	**BKD**	FL200	-	MAR	HEI
EDVE	**BKD**	FL200	RWY 08	MAR	HEI
EDDH, EDHI, EDHL, EDHK	**BUMIL**	FL240	-	MAR	HEI
EDDW, EDWE, EDWI	**NEBUN**	FL240	-	MAR	HEI
EDAZ	**RENKI**	FL230	-	MAR	FLG
ETNL, EDAH, EDBH, EDBN	**ADEPO**	↓FL180	-	MAR	MRZ
ETNL, EDAH, EDBH, EDBN	**RODEP**	↓FL180	-	MAR	MRZ
ETNL, EDBH, EDBN	**TIRMI**	↓FL180	-	MAR	MRZ

ETNL, EDBH, EDBN	**BKD**	↓FL110	-	MAR	MRZ
EDVE		FL80	RWY 26		HAN

Departure AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDDV, EDVE, ETNW	**BKD**	FL250	-		
EDDV, ETNW	**BUMIL**	FL230	BUMIL DCT ROSOK		
EDAY	**RAKIT**	↑FL160	-	MAR	MRZ
EDDB		FL260	-		
	ABIKA		-		
	ITEZG		-		

3.5.4.4 Sector MRZ.

Arrival AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDHL	**ROSOK**	FL100	Minimum 5000 ft AMSL		HAM
	BERIM				
EDDH, EDHI		FL200			HEI
	ROSOK				
EDDW, EDHK, EDWI, EDWE	**BERIM**	FL240		MRZ	
EDDB	**RODEP**	↓FL210			
	LEGSA				
	ADEPO				MAR
EDAY	**RODEP**	FL170			
	ADEPO				
EDDV, EDVE, ETNW	**BKD**	FL260			

Departure AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
ETNL	**BERIM**	FL240			HEI
	LUWIL	FL260	-		
	LINVO		-		
	TIRMI	FL230	-	MRZ	MAR
EDBH, ETNL	**RODEP**		-		
	ADEPO		-		
	INDOK	↑FL240	-		
	PABMI	FL160	-		

EDBN	**TIRMI**	↑FL170	-		
	BKD	↑FL240	-		
EDAH, EDBN	**INDOK**		-	MRZ	MAR
EDAH	**RODEP**	↑FL170	-		
	LINVO		-		
	ADEPO		-		

3.5.5.1 Sector EMS.

Arrival AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDDH, EDHI	YEFAW	↓FL210	Out of FL240	EMS	ALR
EDWE, EDWF	YEFAW	FL210	-		ALR
ETMN	BASUM	FL210	BASUM DCT WSN		
EDDW	BASUM	↓FL110	-		FRI
EDDW	NIE		-		FRI
EDDW	PIXUR		IPMOG DCT PIXUR		FRI
EDWI	YEFAW		-		FRI
EDWI	MALYK		-		FRI
EDWE, EDWF, EHGG	MALYK		-		FRI
EDDV, ETNW	NIE		-		HAN
ETNW	ROBEG		-		HAN
EDVE	ROBEG	FL150	-		HRZ

Departure AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDDV, ETNW, ETHC, ETHB	NIE	↑FL140	-	EMS	ALR
EDDW	SOFED SIDs	FL200	ABDIM DCT ITMIZ		EID
EDDW	SAS	FL210	-		HRZ
EDDW	VAXEV	FL210	-		HRZ
ETND	ROBEG	FL240	-		HRZ
ETND	SAS	FL240	-		HRZ

3.5.5.2 Sectors HAN and DVAT.

Departure AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDDV	NIE SIDs	↑FL100	-	HAN	EMS
EDDV, ETNW	VAXEV		-		EMS
EDDV, ETNW	CEL		-		HEI
EDDV, ETNW	MULDO		-		HEI
EDVE	NIE SIDs		-		HEI
EDVE	HLZ SIDs		-		HEI
EDVE	DIRBO SIDs		-		HEI
EDVE	BATEL SIDs		-		HEI

Arrival AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
ETNW	ROBEG	↑FL100	-	HAN	HRZ
ETNW	SAS		-		
EDDV	POVEL SIDs		-		
EDDV	WRB SIDs		-		
EDDV	WERRA SIDs		-		
EDVE	DLE SIDs		-		
EDVE	NORTA SIDs		-		
EDVE	POVEL SIDs		-		

3.5.5.3 Sector HRZ.

Arrival AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDAC	POVEL	FL230	-	HRZ	BOR
EDBM, EDBC		FL110	-		BOR
	ABGUS		-		
EDDB		FL230	MAG DCT KLF		
EDDW, EDWI, ETND	ROBEG	FL180	-		EMS
	ITZAN		-		
	SAS		-		
EDLW		FL240			
EDDG, EDLI		FL210	-		
EDDV, ETNW, ETHB, ETHC, ETHS	ROBEG	↓FL110	-		HAN
			-		
EDVE	DLE		-		

Departure AD	COP/Routing	Level Allocation	Special Conditions	Transferring sector	Receiving sector
EDDV, ETNW	POVEL	FL230	-	HRZ	BOR
EDVE		↑FL150	-		
EDVK	ABGUS	FL230	-		

4 Special Procedures.

4.1 Procedures within EBG BER.

Further procedures to be applied within EBG BER which are not described within this document shall be defined in SOP Berlin Arrival/Departure in the Vatsim Germany knowledgebase.

4.2 Procedures within sector HAM.

Further procedures to be applied within sector HAM which are not described within this document shall be defined in SOP Hamburg Arrival in the Vatsim Germany knowledgebase.

4.3 Procedures within sector HAN.

Further procedures to be applied within sector HAN which are not described within this document shall be defined in SOP Hannover Arrival in the Vatsim Germany knowledgebase.

4.4 Procedures within sector FRI.

Further procedures to be applied within sector HAM which are not described within this document shall be defined in SOP Friesland in the Vatsim Germany knowledgebase.

4.5 EDDB Procedures.

4.5.1 Departures.

Departures EDDB from sector DBDN may be cleared direct to:
- HLZ (RWY 24), BUREL (RWY 06) or POVEL
- DENOL, ABEPE and PODER (if RFL above FL245)

Departures EDDB from sector DBDS may be cleared direct to:
- ARSAP, MAG, ODLUN and MAXAN

Sectors DBDN and DBDS shall consider the status of ED-R 73 and ED-R 74.

4.5.2 Arrivals.

Any direct routing coordinated by sectors DBAN or DBAS to sectors MAR and FLG shall always include the approval to cross sectors DBDN and DBDS. DBAN/DBAS shall be responsible for coordinating the inbound sequence.

However, when delay vectors or holdings are to be expected due to multiple aircraft arriving at the same time, ACC sectors FLG and MAR shall instruct aircraft to reduce to 250 kts IAS (to keep current spacing constant or increasing), but not less than 220 kts IAS (if performance allows)

4.5.3 Holdings.

ACC shall announce to APP the first and last aircraft to hold. The lowest aircraft inbound to the holding (FL140) will be sent to APP without further coordination. If workload requires, APP can leave aircraft inside the holding at FL140. In this case ACC will hold succeeding aircraft on the frequency.
Holdings at KLF at ATGUP are dependent. Traffic shall be managed in either KLF or ATGUP holding.

4.6 Departures EDDB via BOR/FLG/MAR.

In case of direct routings, departures EDDB may generally cross sectors DBAN and DBAS without prior coordination. In this case sector BOR, FLG and MAR shall provide separation to known traffic inside sectors DBAN and DBAS.

Departures EDDB are generally released for airspace crossing through sectors BOR and FLG. In this case sector the sector receiving traffic from DBDN/S is responsible for separation to known traffic inside sectors BOR or FLG.

4.7 Arrivals EDDB from MAR via MRZ.

Arrivals EDDB may be cleared direct OGBER or KETAP. Arrivals to EDDB from sector MAR are always released by sector MRZ to sector DBAN.

4.8 Arrivals EDDH/HI.

4.8.1 From EID.

Sector EID shall perform coordination with sector HAM to transfer EDDH and EDHI arrivals via OSTOR T904 RIBSO and EKERN T905 BOGMU at FL100, clear of sector ALR/HEI. In case FL100 is unavailable, sector EID shall perform required coordination with sector ALR or HEI (depending on routing) to transfer this traffic descending to FL110 to sector HAM.

4.8.2 From HEI via MAR.

Arrivals EDDH and EDHI from sector MAR are also released to sector HEI by sector MRZ.

4.9 Departures EDDH/HI/HL.

4.9.1 To MAR via HEI.

Departures EDDH, EDHI and EDHL from sector HEI to sector MAR may be cleared direct NUSGU or PABMI.

4.9.2 Sector Skip between EMS and ALR.

Sector EMS may request FL240 silently for EDDH/HI departures via HABFU and IDEKO. This coordination is also to be considered an approval to skip sector EMS. In this case sector ALR shall transfer this traffic climbing to FL240 directly to MUAC sector CEL (via IDEKO) or MUAC sector MNS (via HABFU). Sector ALR may use the general directs WRB, RIMET, LARBU, BOMBI, SWALM, ZUCKA, PODER or BERXO, but only if the sector skip has been coordinated beforehand.

4.10 Arrivals EDDV/VE/ETNW.

4.10.1 From EMS.

Sector EMS shall generally clear all EDDV arrivals direct to NIE.

4.10.2 From HEI.

Sector HEI shall generally clear all EDDV arrivals direct to CEL.

4.10.3 From HEI via BOR.

Sector BOR may clear arrivals EDDV, EDVE and ETNW direct HLZ, clear of sector HRZ.

4.10.4 From HRZ.

Sector HRZ shall generally clear all EDDV arrivals direct to ROBEG (RWYs 09) or SAS (RWYs 27).

4.11 Departures EDDV/ETNW.

4.11.1 VAXEV SIDs.

Departures via VAXEV SIDs may be generally cleared direct to MAWEQ or EDWOC.

4.11.2 NIE SIDs.

In case a departure via a NIE SID is unable to climb above sector FRI, sector HAN shall perform required coordination with sector FRI.

4.11.3 POVEL SIDs.

Sector HRZ may clear departures from EDDV and ETNW via POVEL direct to ELTED or MAG. Deviations from POVEL SIDs from RWYs 27 shall not be instructed until passing SAS, unless required for safety reasons.

4.12 Arrivals EDDW.

4.12.1 From ALR via EID.

Sector ALR may request FL110 silently for EDDW arrivals via SUQIF M105 REVLA T948 GIBMA. This coordination is also to be considered an approval to skip sector ALR. In this case sector EID shall transfer this traffic descending to FL110 directly to sector FRI.

4.12.2 From ALR via HEI.

Sector ALR may request FL110 silently for EDDW arrivals via GESTO Z870 EKROV. This coordination is also to be considered an approval to skip sector ALR. In this case sector HEI shall transfer this traffic descending to FL110 directly to sector FRI.

4.13 Departures EDDW.

4.13.1 To ALR.

When a higher level is coordinated between ALR and FRI for traffic with ADEP EDDW, sector FRI is responsible for separation to sector HAM. In case no higher level is coordinated, sector FRI shall transfer departing traffic climbing to FL100 to sector ALR as soon as possible. In this case sector ALR is responsible for separation to sector HAM.

4.13.2 To EMS.

In case a departure via a WIMCI or NIE SID is unable to climb above sector HAN, sector FRI shall perform required coordination with sector HAN.

4.13.3 Sector Skip between HRZ and EMS.

Sector HRZ may request FL240 silently for EDDW departures via VAXEV and SAS. This coordination is also to be considered an approval to skip sector HRZ. In this case sector EMS shall transfer this traffic climbing to FL240 directly to MUAC sector CEL.

4.14 Arrivals EDHL.

Sector MRZ may clear EDHL arrivals direct to LUGEG. Arrivals EDHL from sector MAR are also released to sector HEI by sector MRZ.

4.15 Arrivals EDHK.

Sectors ALR, HAM and HEI may clear EDHK arrivals direct to RENSU or OTAHO. The status of all relevant ED-Rs, ED-D and TRAs shall be considered.

4.16 Departures EDVE.

Sectors HAN and HRZ may clear EDVE departures direct to ELTED or MAG.
Sector HAN may clear EDVE departures direct to ABGUS (RWY 08) or GALMA (RWY 26).
Additionally, EDVE departures via ELNAT may be cleared direct to ELNAT.

4.17 Arrivals ETNH/ETNS.

Sectors ALR, HAM and HEI may clear ETNH arrivals direct to HNT and ETNS arrival direct to SWG. Traffic shall stay east of line WSN-OSTOR and clear of TRA 201 when active.

4.18 Arrivals ETNL.

Sector HAM may clear ETNL arrivals direct to LAG.

4.19 Airway N850 between ALR and EMS.

Sector EMS shall generally use even FLs. Enroute flights above FL140 from EMS are subject to prior coordination with sector ALR. Sector ALR shall generally use odd FLs.

4.20 Separation between N850 and L980.

In the area of ROBEG, sector EMS shall be responsible for providing separation for traffic proceeding southbound on airway N850 and eastbound traffic on L980.

4.21 Procedures EDWE/WI.

Whenever Wittmund AoR is active, Wittmund APP is responsible for control for EDWE and EDWI inbounds and outbounds. Wittmund APP will ensure the required coordination.

4.22 Operations TRA 201.

Sector EID is responsible for informing sector ALR about the activation and deactivation of ED-R201C. ALR shall forward this information to sector HAM.

4.23 Operations TRA 202.

Sector EMS is responsible for informing sector ALR about the activation and deactivation of ED-R202.
Additionally, sector EMS shall inform sectors EID and FRI about the status of TRA 202, LANTA 161A/B and SANDRA Anchor.

4.24 Operations TRA 203.

Sector HRZ shall forward any status updates about TRA 203 from Langen ACC to sector HAN.

4.25 Operations MVPA North-East.

Sector MRZ is responsible for informing sector MAR about the activation and deactivation of ED-R401.

5 Transfer of Control and Transfer of Communication.

5.1 Transfer of Control.

Transfer of Control shall take place at the AoR boundary.

If the downstream sector in EuroScope is set to >.break<, the procedure 5.4 is suspended and transfer of communication can only take place after the downstream sector has assumed the flight via the appropriate function of the radar client.

If it becomes necessary to reduce or suspend transfers, a 5-minute prior notification is required.

When transfers are suspended, the hand-off procedure (5.4) is suspended.

5.2 Silent transfer of control.

Radar transfer without coordination between aircraft proceeding in the same direction require following radar separation minimima are constant or increasing:

- 5NM   within EBG BER
- 5NM   from Berlin DEP to Bremen ACC
- 10NM   other

5.3 Transfer of Communications.
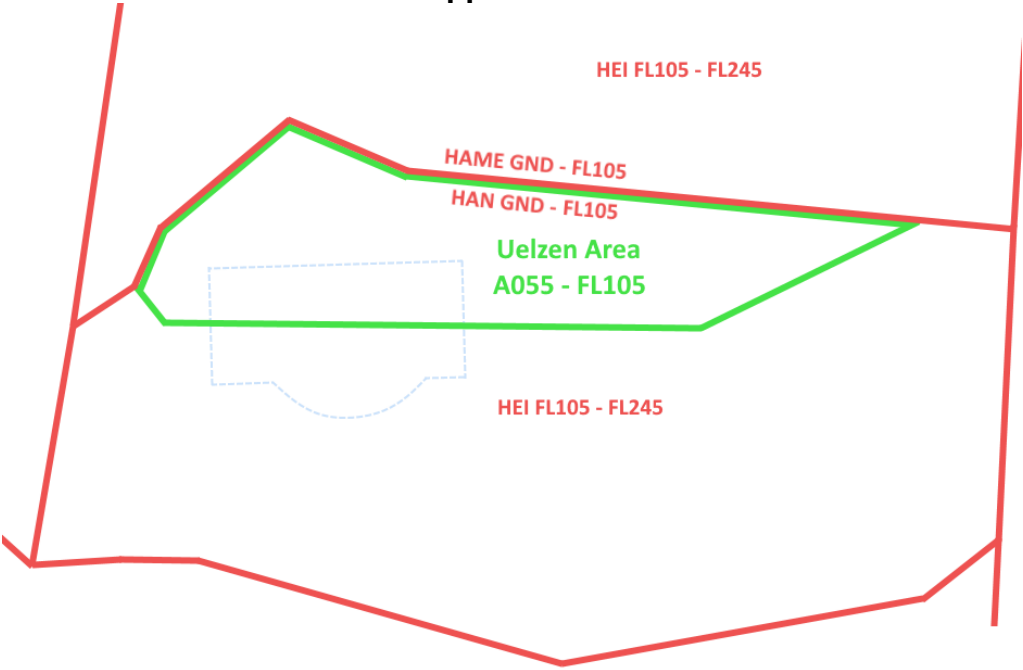
Transfer of Communications shall take place no later than Transfer of Control.

5.4 Hand-Off procedure.

Unless otherwise agreed between stations online, the following hand-off procedure shall apply:
1. The upstream sector sends the aircraft to the frequency of the downstream sector by voice or text.
2. The upstream sector initiates a transfer via the appropriate function of the radar client.
3. Upon initial call the downstream sector assumes the flight via the appropriate function of the radar client.

Appendix A

HEI FL105 - FL245

HAME GND - FL105

HAN GND - FL105

**Uelzen Area
A055 - FL105**

HEI FL105 - FL245

Appendix B

GILAS

ARSAP Overflow Area
FL165-FL235

SUBIX

ARSAP

GOVEN