

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 Karlsruhe UAC.

Lateral limits: Rhein UIR as described in AIP Germany

Vertical limits: FL245 – FL660 (above Langen ACC)

FL285 – FL660 (above Bremen ACC)

FL315 – FL660 (above München ACC)

2.1.2 Maastricht UAC.

Lateral limits: Hannover UIR as described in AIP Germany

Vertical limits: FL245 – FL660

2.2 Sectorization.

For detailed sectorization refer to vats.im/edyy and vats.im/eduu.

2.3 Delegation of the Responsibility for the Provision of ATS.

Not applicable.

3 Procedures for Coordination.

3.1 Definitions.

A release is an authorization for the accepting ATS unit to climb, descend and/or turn (by no more than 45°) a specific aircraft before the transfer of control point. The transferring ATS unit remains responsible for separation within its Area of Responsibility unless otherwise agreed.

3.2 Abbreviations.

ACC	Area Control Center	kts	Knots
AD	Aerodrome	LoA	Letter of Agreement
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
CTR	Center/Enroute Facility	Radar	
FIR	Flight Information Region	TMA	Terminal Manoeuvring 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.

After Transfer of communications, traffic is NOT released for climb, descent or turns until Transfer of control or otherwise specified in this Letter of Agreement.

↓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, except when required otherwise. (e.g. due to airway restrictions)

FLxxxA means “climbing and above specified FL”, FLxxxB means “descending and below specified FL”.

3.4 IFR flights from EDUU to EDYY.

Note: Traffic from EDUU to EDYY shall be generally transferred at even levels.

3.4.1 Arrivals.

Arrival AD	COP	Level Allocation	Special Conditions	From Sector	To Sector
EDDL, EDDK, EDDV, EDVE, ETNW, EHTW	---	---	Not accepted by Maastricht UAC	FFM/FUL	---
EDDW, EDWE, EDWI, ETND, EDWF	ELNAT	MAX FL320		FUL	SOL
EDDB	BERXO	MAX FL340			
	OTMON			FFM	MNS
EHEH, EHBD, EHBK, EHTE, EHLE	MAPOX	MAX FL320			
EHRD, EHGG		MAX FL360			
EDLP, EDVK, EDFQ, EDLI	BUMIL	MAX FL300		OSE	CEL
	GARLU				
	HLZ			HVL	
EDDF	POVEL	MAX FL340			
EDLW, EDLA	HLZ	MAX FL360		SAL	SOL
	POVEL				
	KUMER				
	ZUCKA			OSE	CEL
	GARLU				
	BUMIL				

3.4.2 Departures.

Departure AD	COP	Level Allocation	Special Conditions	From Sector	To Sector
EDDF, EDFE, ETOU	OTMON	MAX FL280	Released for climb to FL320	FFM	SOL
EDDB	BUMIL	EVEN FLs	Released for climb to FL360 and left turns	OSE	CEL
	NEBUN				
	HLZ			HVL	
	POVEL		SOL		
	ABGUS				

3.5 IFR flights from EDYY to EDUU.

Note: Traffic from EDYY to EDUU shall be generally transferred at odd levels.

3.5.1 Arrivals.

Arrival AD	COP	Level Allocation	Special Conditions	From Sector	To Sector
EDDF, EDFH, EDFQ, EDFR, EDFC, ETAD	---	---	Not accepted by Karlsruhe UAC	---	---
EDDR, EDRZ, EDFM, EDFV, EDRY, EDFB					
EDDB, ETNL, EDDP, EDDE, EDAC, EDDN, ETIC, EDQC, EDQK, EDQM, EDQT			Only accepted by Karlsruhe UAC via COP within OSE sector		
EDDC, EDAB					
LFJL, ELLX, EDQG	XAROL	MAX FL290		SOL	FFM
EDSB, LFST, LFGA		MAX FL330			
LFST, LFGA	OTMON	MAX FL330			FUL
EDDS, EDTY, EDTM, EDTL, EDSB, EDJA, EDMA, EDMO, ETSI, ETSL, ETSN	BERXO	MAX FL350			
EDQG		MAX FL290			
EDDN, EDMA, EDMO, EDJA, EDTY	TIVUN	MAX FL350		RHR	FFM
	DOJOH				
EDFM, EDFV, EDRY	TIVUN	MAX FL290	To be FL290 prior to the ARPEG Area		
EDDR, EDRZ		MAX FL310			
EDDS, EDSB, LFST, LFGA			DOJOH		
EDAH	GARLU	MAX FL350		CEL	OSE
	NEBUN			HOL	
	BUMIL				
EDAH	BERIM	---	Not accepted by Karlsruhe UAC	HOL	OSE

3.5.2 Departures.

Departure AD	COP	Level Allocation	Special Conditions	From Sector	To Sector
EDDV	XAROL	MAX FL270		SOL	FFM
	ELNAT		Climbing out of FL260		FUL
EDVE		MAX FL290			FFM
	XAROL	MAX FL310			
EDDW	NEBUN	MAX FL290		CEL	OSE
	POVEL	MAX FL330		SOL	HVL
	ZUCKA	MAX FL330			SAL
	ABGUS				
	KUMER				
	NOMKA				
EDDH	ZUCKA	MAX FL350	Higher odd level after system coordination		
EHEH, EHBK, EHBD, EDLV, EDLS	GMH	MAX FL310	Climbing out of FL260	RHR	FFM

4 Special Procedures.

4.1 Directs from EDUU to EDYY.

Note: Karlsruhe UAC sectors may turn/clear flights direct to the following waypoints without coordination, if the sector sequence remains unchanged:

Waypoints	From Sector	To Sector	Special Conditions
EEL, RENEQ, LONAM	OSE	HOL	Via or north of BUMIL
WSN, ELSOB, ABAMI, NVO, ROBEG, DENOL, PODER, WRB	OSE/HVL	HOL/CEL/SOL	
NOGRO, GALSO, ABNED, NORKU, RKN, SPY	HVL	CEL/SOL	
ROBEG, DENOL, NORKU, RKN, ABAMI, NVO, WRB, PODER, ELSOB, RARUP, HLZ, NOGRO, ABNED, GALSO, MIMVA, KOLAG, RAVLO	SAL	SOL	North or via KATCE
DOMEG	SAL	SOL	Clear of FUL and FFM, only for arrivals EHEH
HMM, MIMVA, KOLAG, RAVLO, NORKU, RAVLO, RKN, SPY	FFM	MNS	
TORNU	FFM	RHR	
EKERN, MADOR, NORTA	FUL	SOL	Via or west of BEXO

4.2 Directs from EDYY to EDUU.

Note: Maastricht UAC sectors may turn/clear flights direct to the following waypoints without coordination, if the sector sequence remains unchanged:

Waypoints	From Sector	To Sector	Special Conditions
SALLO, BAKLI, OKAGA, UNGAV, BIKRU, DETNI, BILRA, BANUB, BINKA, BODLA, ALUKA, GILAS, SUBIX, GOVEN, POZUM, LASIS, HDO	HOL/CEL/SOL	OSE/HVL	
POZUM, TADUV, LASIS, HDO, OMELO, LALUK, MAREM, SODRO, TABAT, AKOSI	SOL	SAL	
DODEN, TESGA, TABUM, NEGIX, ESAMA, SWALM, BOMBI	RHR	FFM	
BOMBI, SWALM	SOL	FFM	Not valid for Dep EDDV
OSBIT	SOL	FUL	Via or East of BEXO
TUSUK, UMUPU	RHR	NTM	When crossing the LNO sector on track to TUSUK or UMUPU, individual coordination with NTM sector is required.

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.

The following values for silent transfer of control apply:

- If preceding aircraft is faster: 10 NM
- If succeeding aircraft is faster by 20kts / M0.05 or less: 20 NM
- If succeeding aircraft is faster by 40kts / M0.1 or less: 30 NM

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.

5.5 SSR Code Assignment.

Both ATS units shall transfer flights on verified discrete SSR codes. Any change of SSR code by the accepting ATS unit may only take place after the transfer of control point.