

## LETTER OF AGREEMENT

Langen FIR (EDGG)	between	Amsterdam FIR (EHAA)
IVAO Germany	and	IVAO Netherlands

Effective: 12 August 2021

The purpose of this Letter of Agreement is to define the coordination and handover procedures to be applied between Langen FIR and Amsterdam FIR when providing Air Traffic Service (ATS) to General Air Traffic (GAT) and/or Operational Air Traffic (OAT), both operating either under Instrument Flight Rules (IFR) or Visual Flight Rules (VFR).

### 1. General Procedures

Traffic in sequence shall be handed over with minimum spacing of 10 NM constant or increasing (succeeding aircraft is not faster).

Coordination of speed control should be done via entries in radar label and does neither need approval nor acknowledgement by the receiving sector.

Transferred aircraft are generally released for turns up to 45° by transferring sector. Unless a release is obtained, the receiving ATS unit shall not give aircraft a clearance or instruction to climb, descend or change speed until it has passed the common border.

Climbing and descending entries are subject to approval. For this reason traffic may be handed over at an intermediate level.

FL250 is not available as a cruising level. Cruising levels shall be assigned in accordance with AIP of the country in question. Exceptions are laid down in this letter.

Transfer of communication (frequency change to the next ATS unit) shall take place in due time and clear of possible conflicts. Unless indicated otherwise, the Transfer of Control Point is the FIR boundary.

In case EDYY is not online, EHAA, EDWW and EDGG will take over these responsibilities as indicated in paragraph 3. Note that the MHRM sector is divided into the Ruhr and Muenster sector where EDGG and EDWW are responsible for respectively.

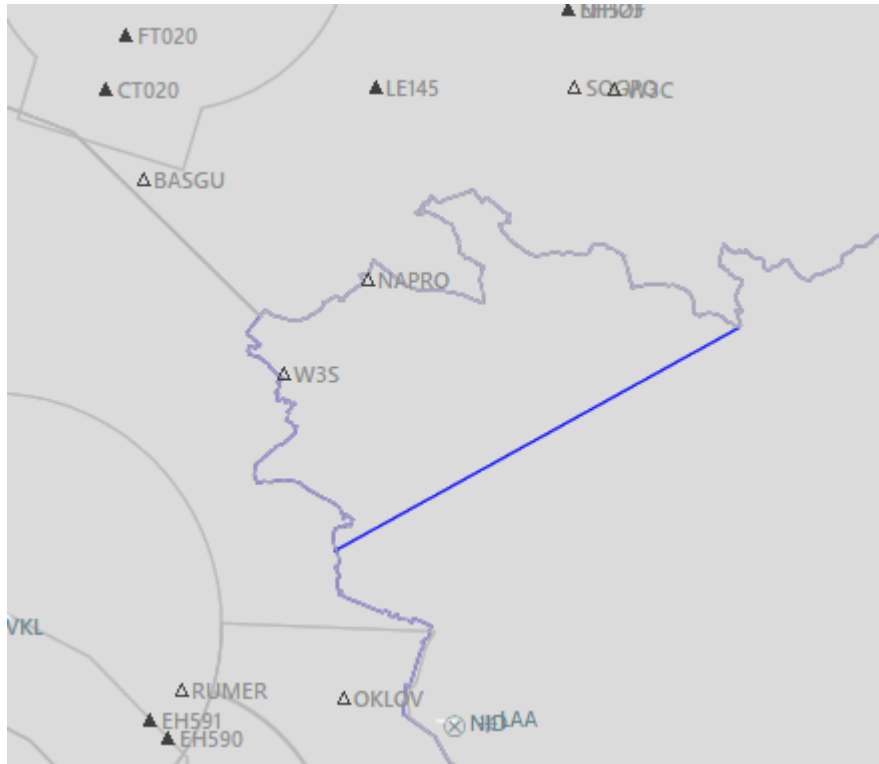
## 2. Areas for Cross Border Provision of ATS

### 2.1 Airspace delegated from EDGG-FIR to EHAA-FIR

#### 2.1.1 Kleve Area

*N 51 42 00 E 006 01 42 – N 51 49 41 E 006 24 27 - along the German-Dutch border – N 51 42 00 E 006 01 42.*

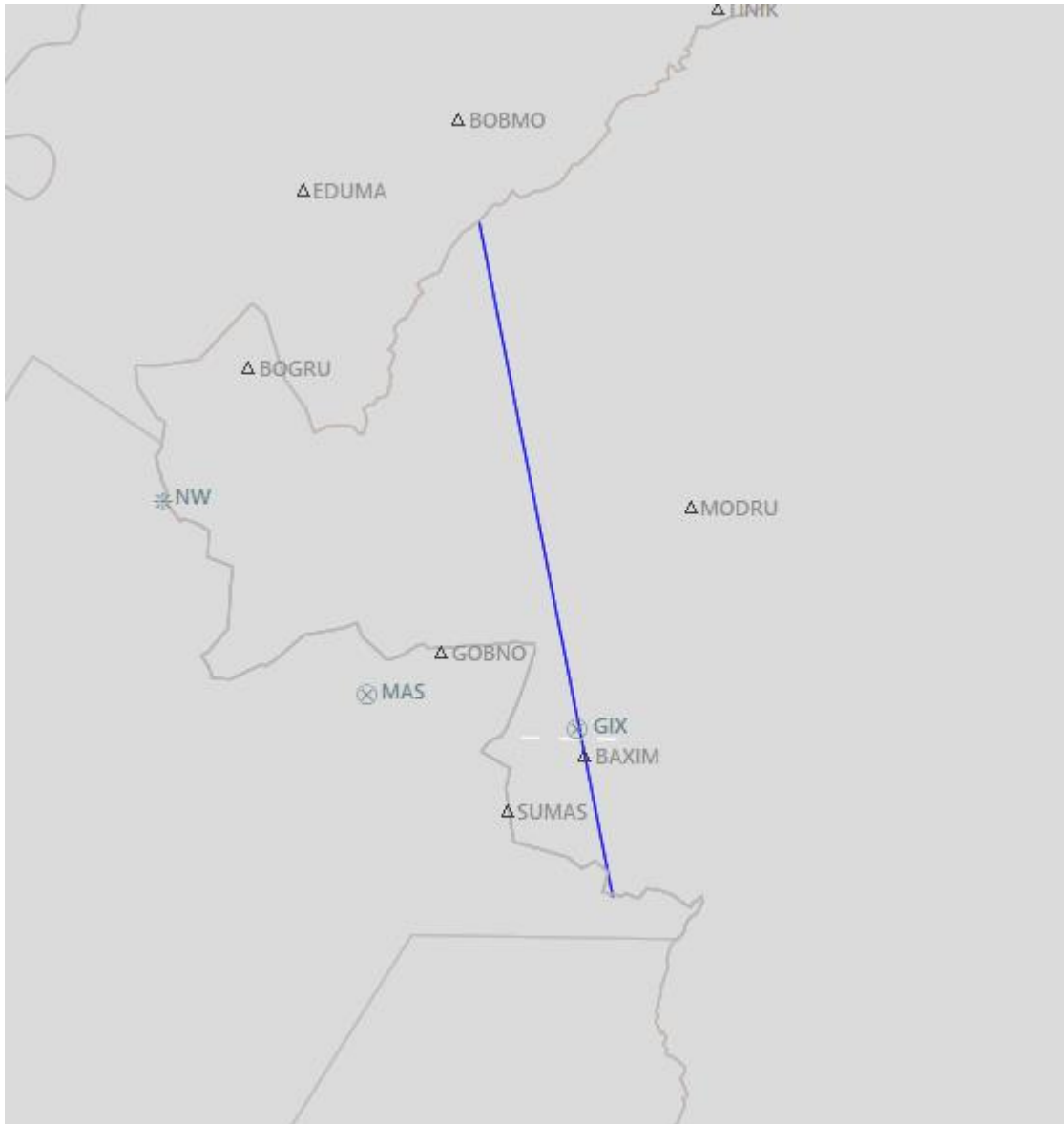
The Kleve area is delegated from EDGG to EHAA from 2500ft AGL to FL205



2.1.2 Maskirchen A Area

N 51 05 15 E 006 00 18 – along the German-Dutch border – N 50 55 18 E 006 03 31 – N 51 05 15 E 006 00 18.

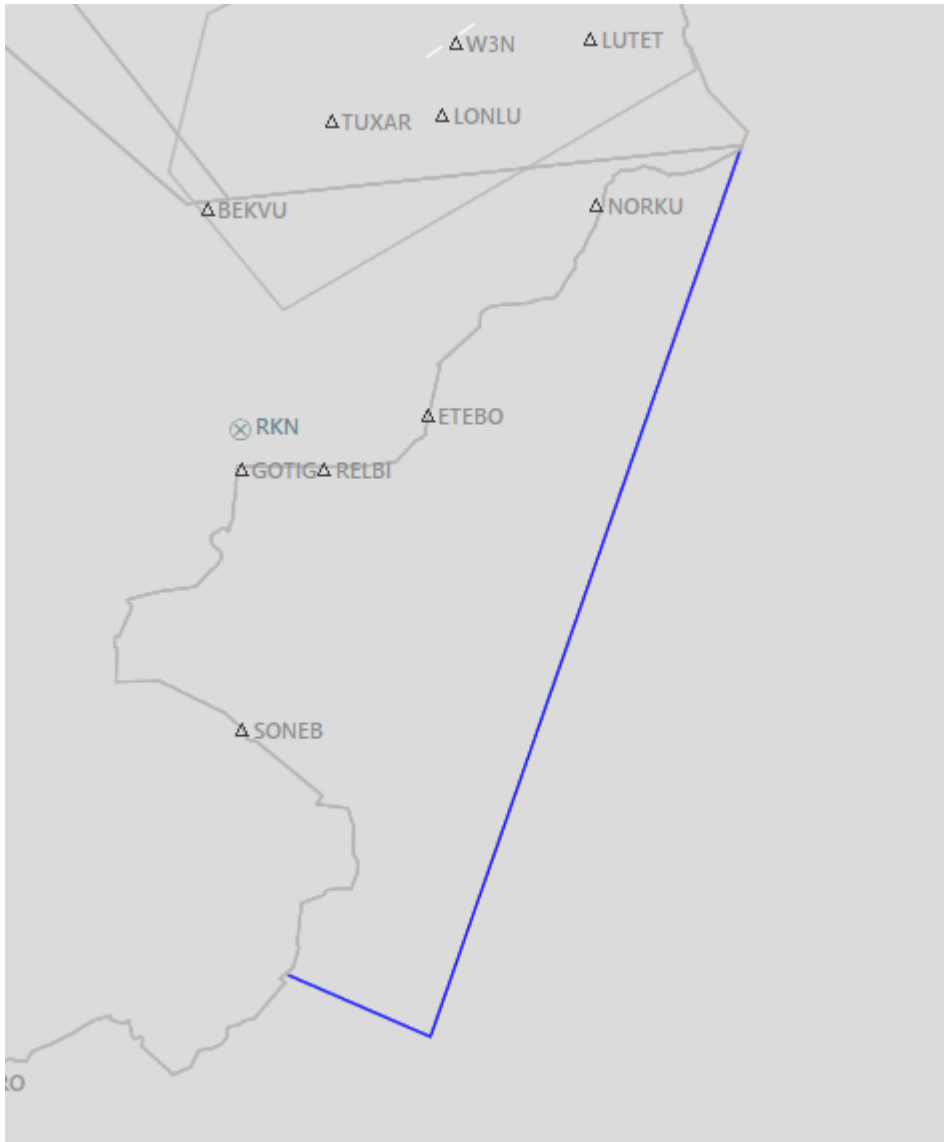
The Maskirchen A area is delegated from EDGG to EHBK\_APP from 1000ft AGL to FL095



### 2.1.3 SONEB Area

*N 52 14 14 E 007 03 47 – N 51 54 39 E 006 52 36 – N 51 56 01 E 006 47 27 – along the German-Dutch border – N 52 14 14 E 007 03 47.*

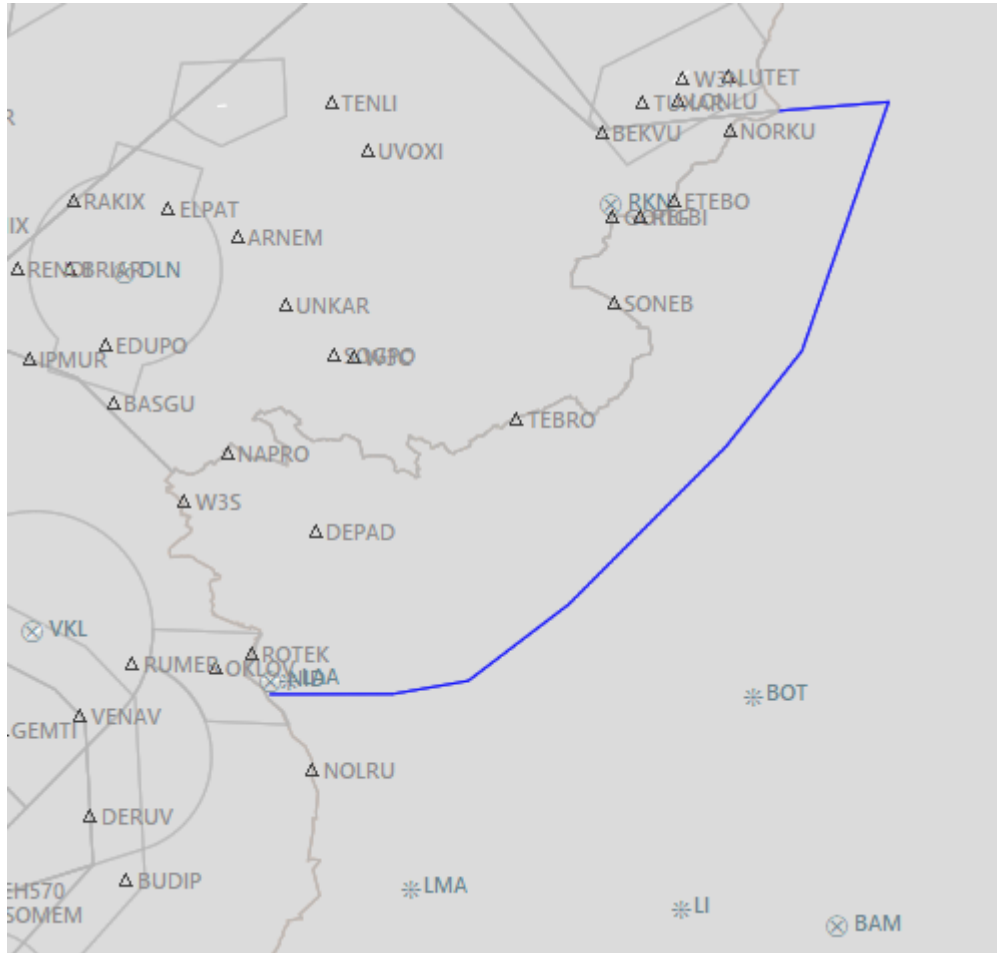
The SONEB area is delegated from EDGG to EHAA from FL105 to FL205



#### 2.1.4 TEBRO Area

N 52 14 14 E 007 03 47 – N 52 14 50 E 007 15 59 – N 51 58 09 E 007 06 29 – N 51 51 44 E 006 58 08 – N 51 41 11 E 006 40 55 – N 51 36 04 E 006 29 55 – N 51 35 11 E 006 21 37 – N 51 35 10 E 006 08 01 – along the German-Dutch border – N 52 14 14 E 007 03 47.

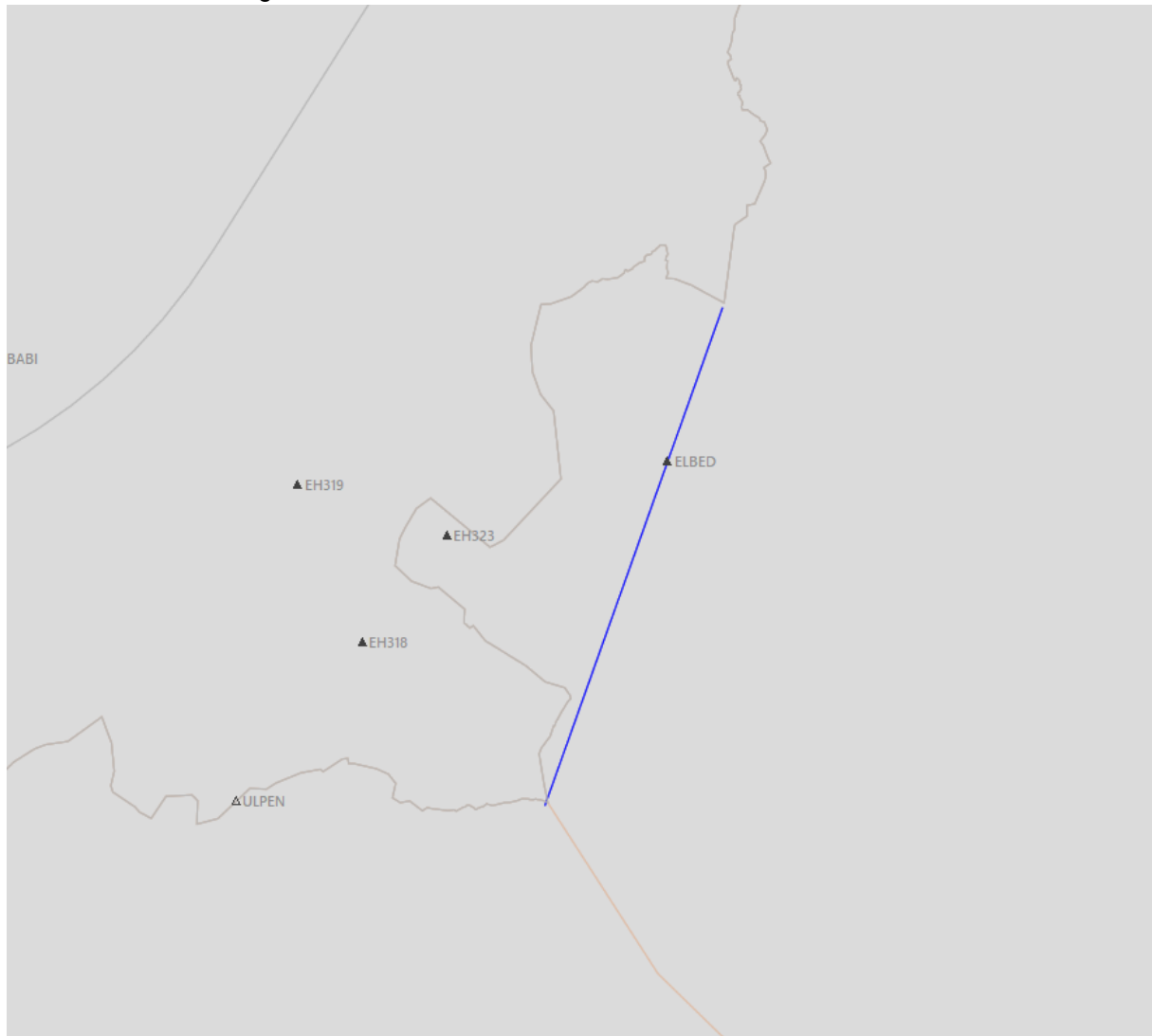
The TEBRO area is delegated from EDGG to EHAA from FL205 to FL245



### 2.1.5 Vaals A Area

N 50 50 47 E 006 04 27 – entlang der deutschniederländischen Grenze / along the German-Dutch border – N 50 45 16 E 006 01 14 – N 50 50 47 E 006 04 27.

The Vaals area is delegated from EDGG to EHBK\_APP from 1000ft AGL to FL095

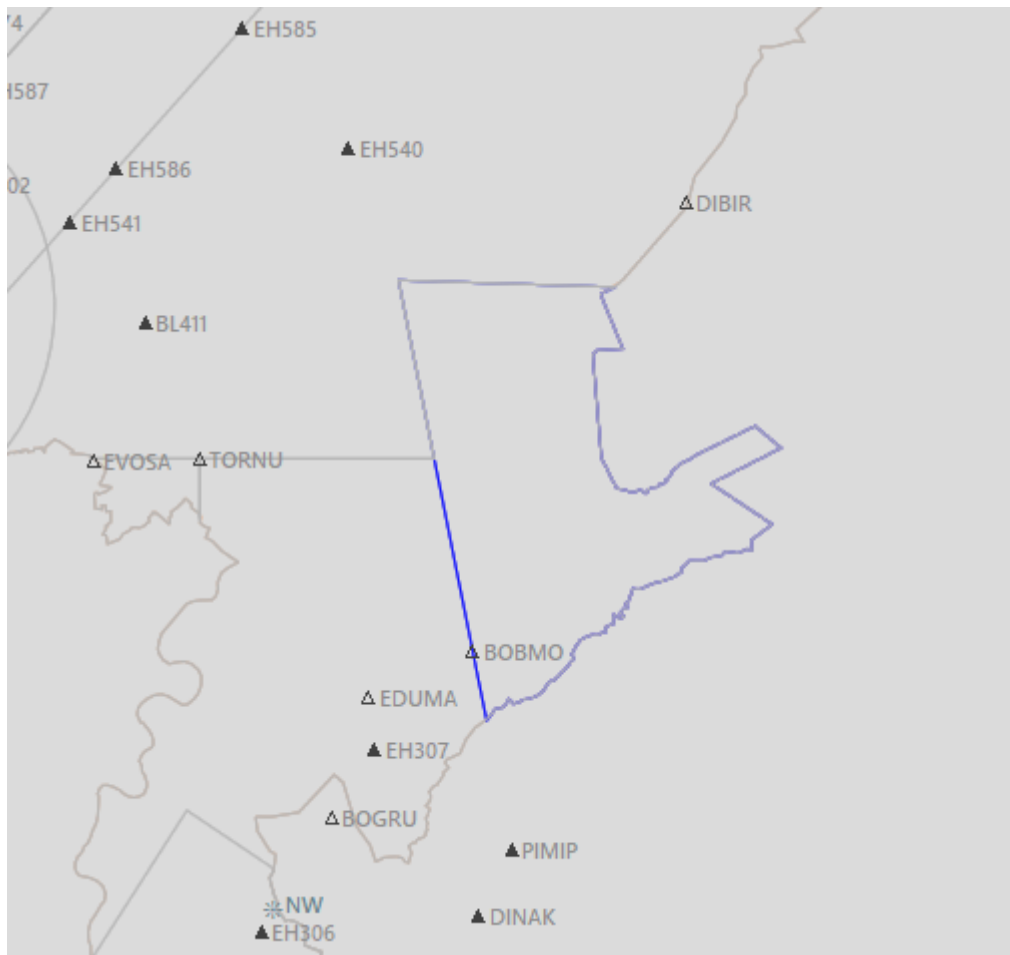


## 2.2 Airspace delegated from EHAA-FIR to EDGG-FIR

### 2.2.1 ROMIN Area

511455N 0055708E - 511446N 0060454E - along the Dutch-German border - 510515N 0060018E - 511455N 0055708E.

The ROMIN area is delegated from EHBK\_APP/EHMC\_CTR to Langen ACC from 3500ft AGL to FL195



### 2.2.2 VENLO AREA

514022N 0060212E - 512000N 0060209E - 511455N 0055708E - 511446N 0060454E - along the Dutch-German border - 514022N 0060212E.

The VENLO Area is delegated from EHMC to Langen ACC from 3000ft AGL to FL195.



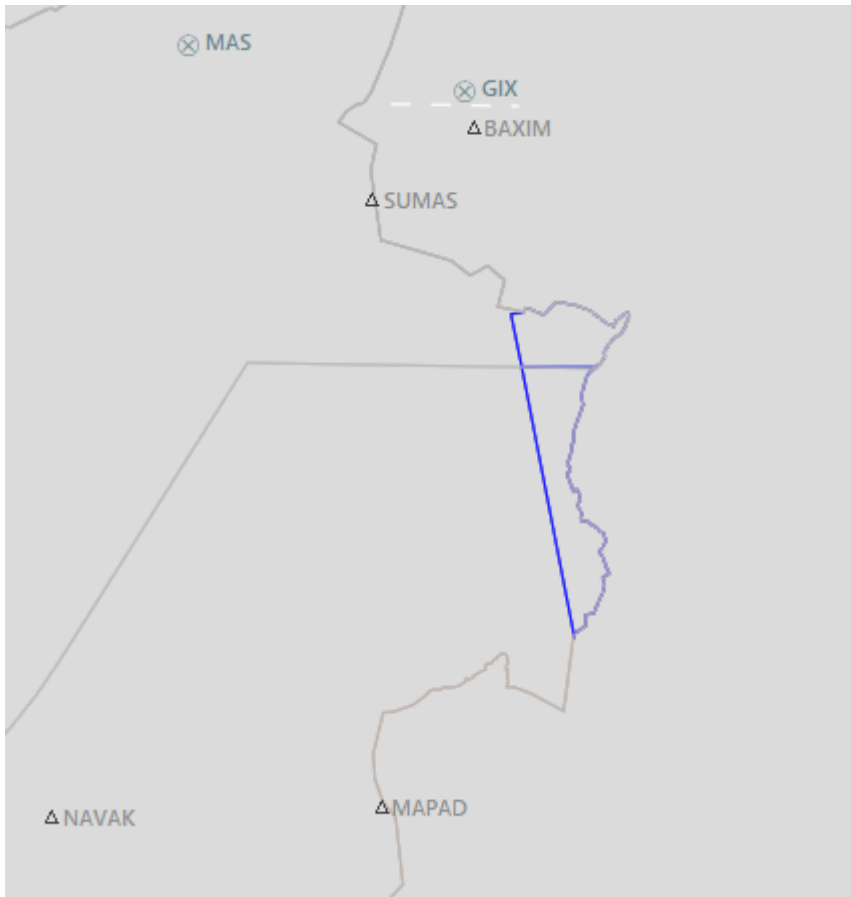


### 2.2.3 Worms North and South Area's

WORMS North area: 505518N 0060331E - along the Dutch-German border - 505442N 0060504E - 505442N 0060343E - 505518N 0060331E.

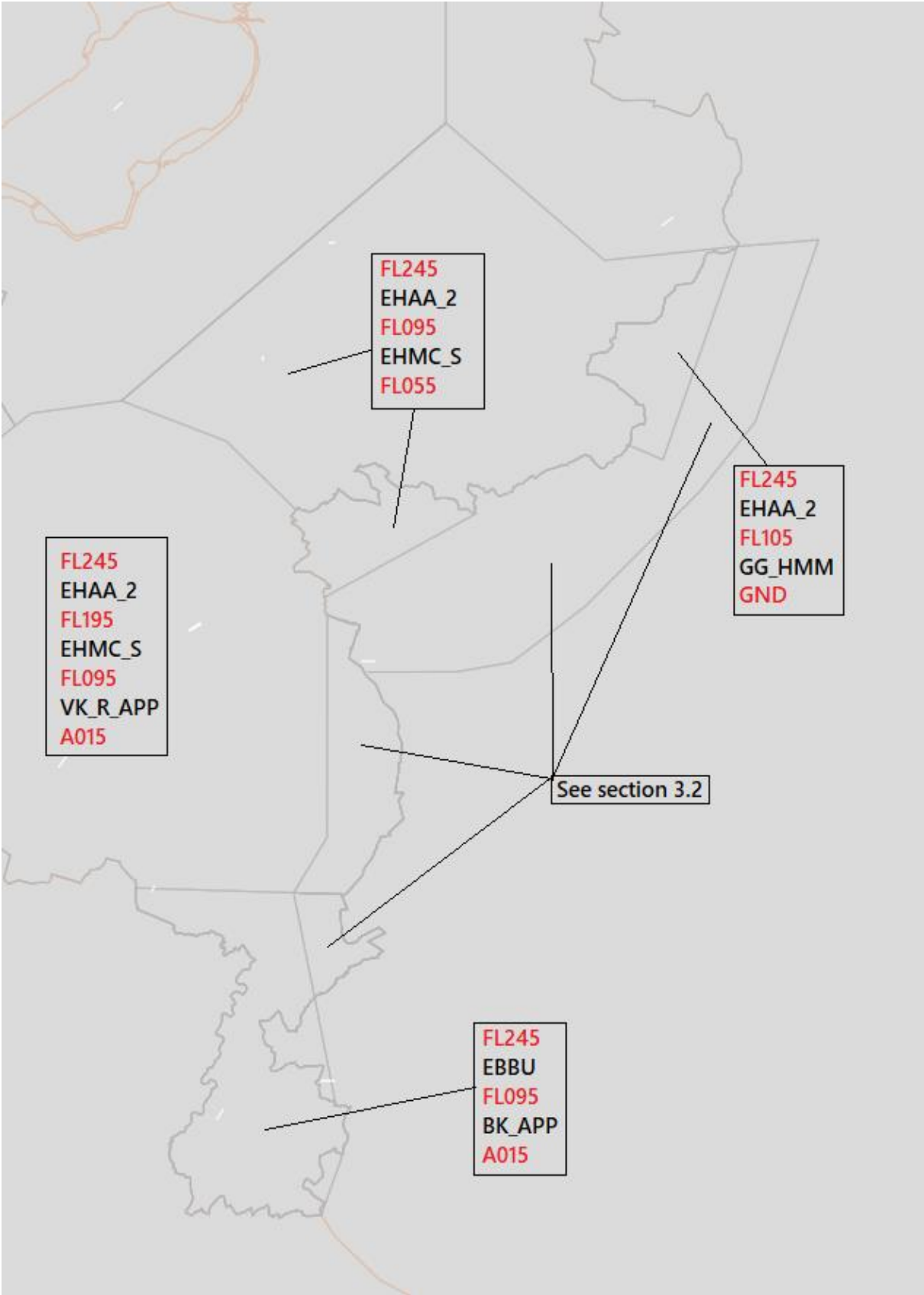
WORMS South area 505442N 0060343E - 505442N 0060504E - along the Dutch-German border - 505140N 0060441E - 505442N 0060343E.

Both WORMS North and Worms South area are delegated from EHBK to Langen ACC from GND up to FL195

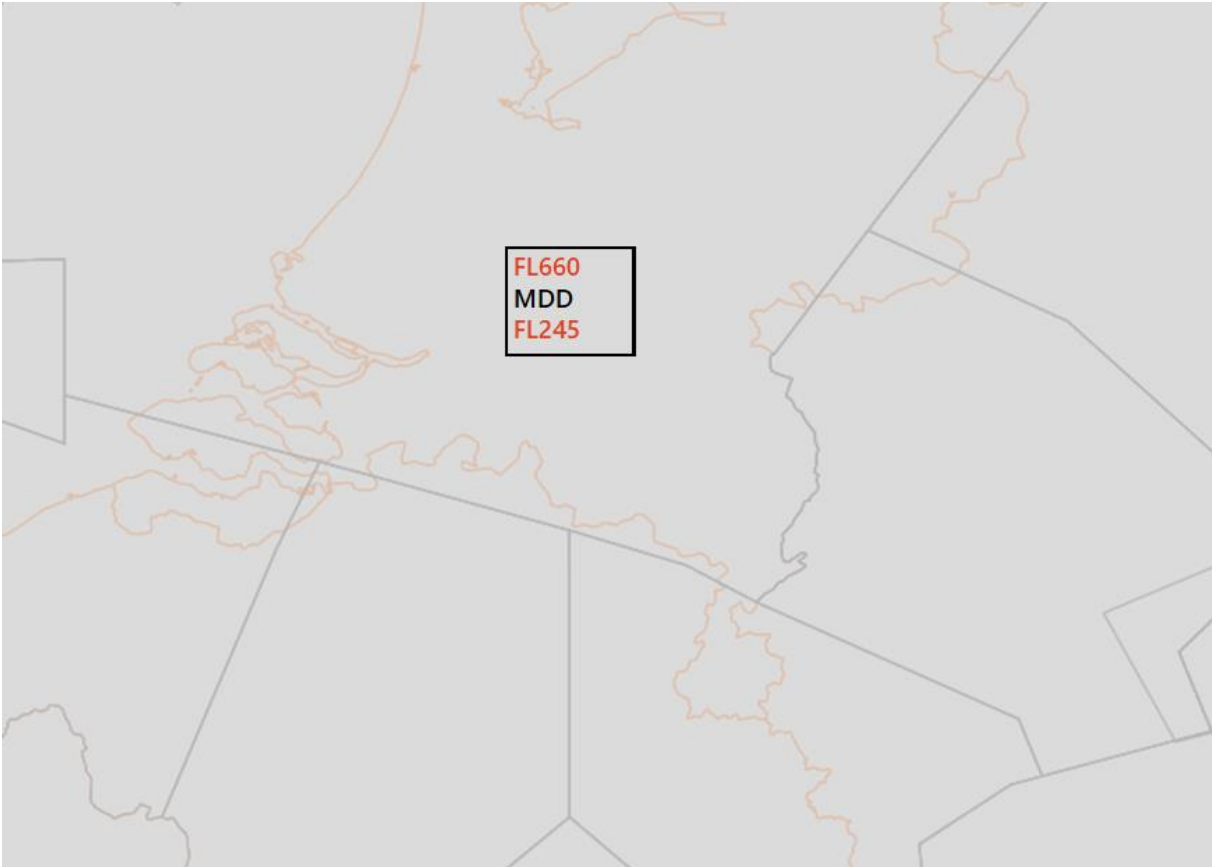


### 3. Sectorisation

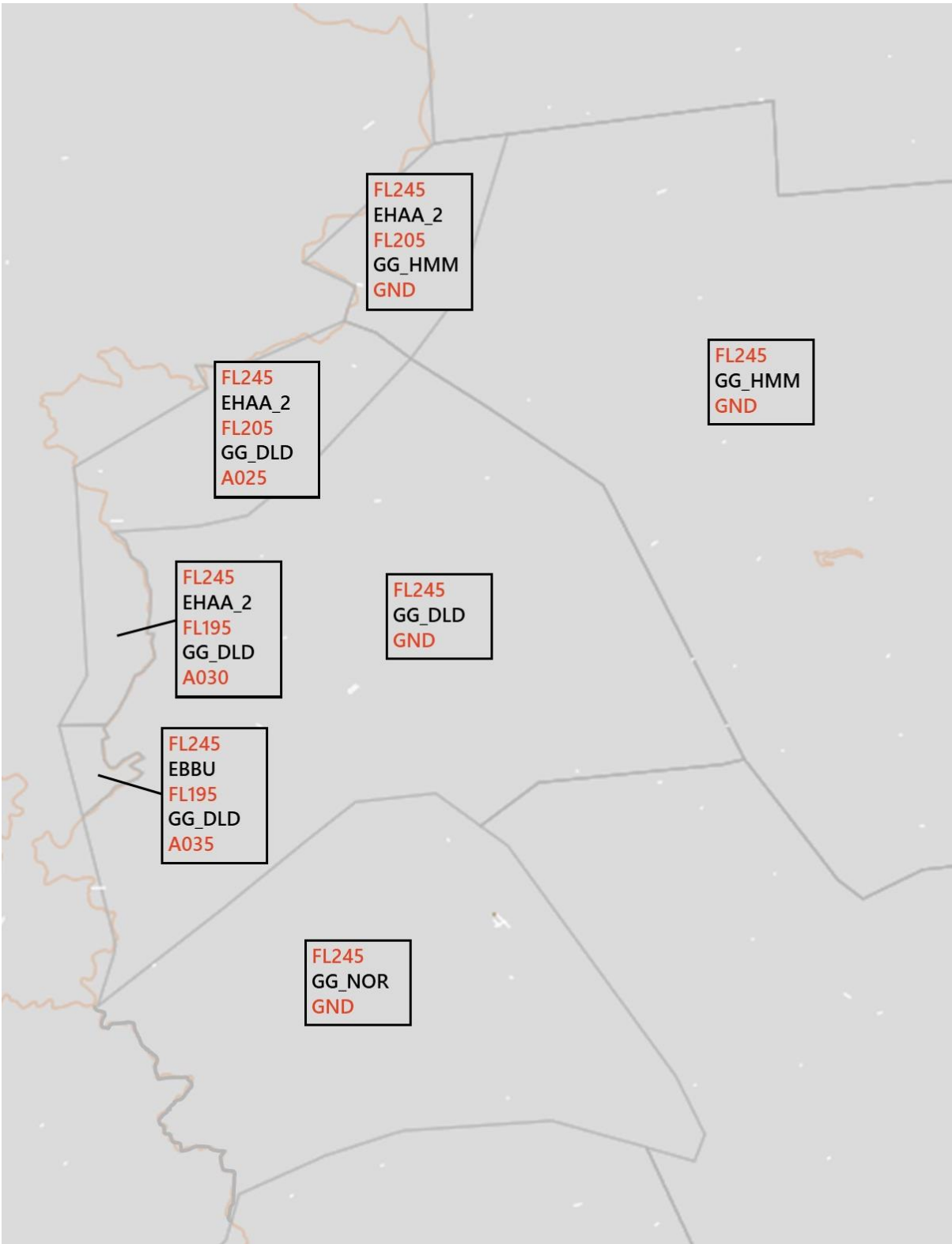
#### 3.1 Sectorisation Amsterdam ACC (< FL245)



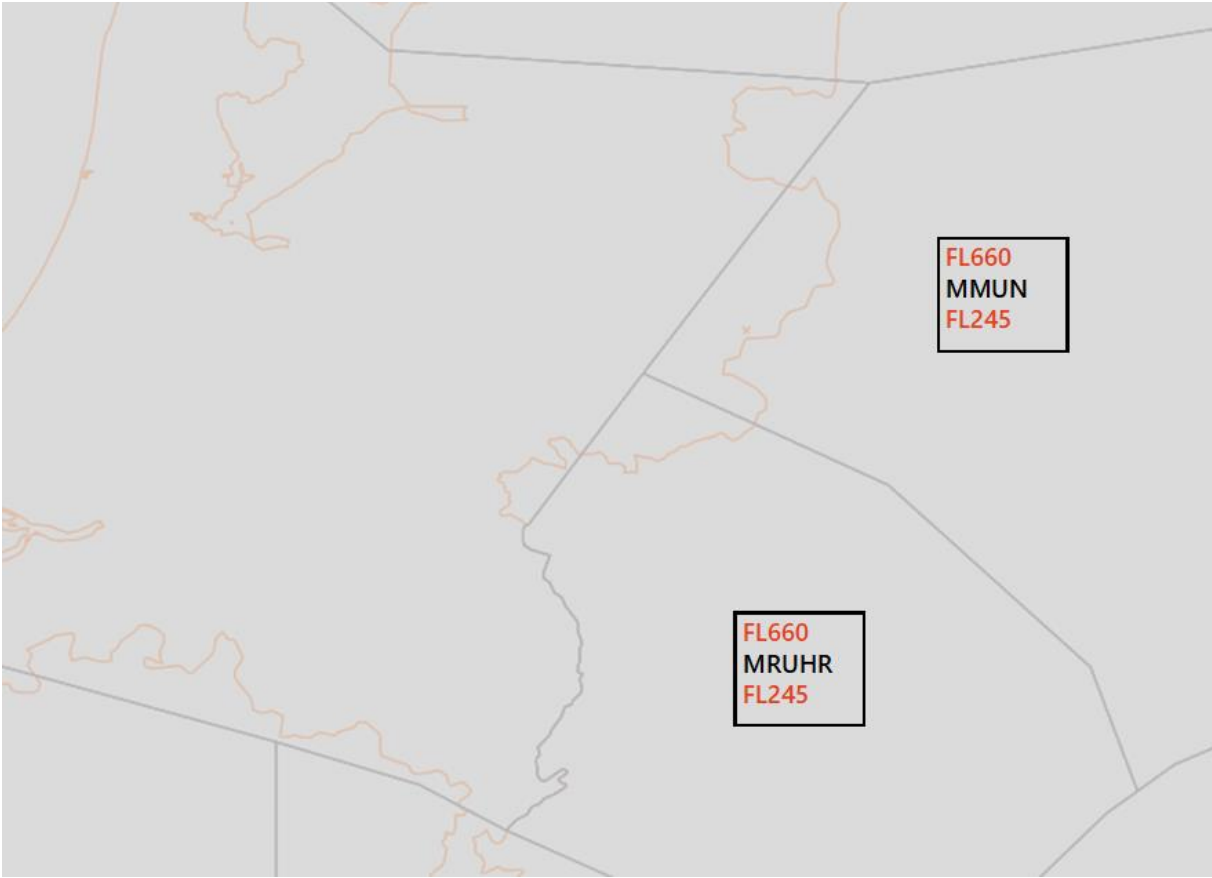
**3.2 Sectorisation Maastricht UAC DECO group (> FL245)**



3.3 Sectorisation Langen ACC (< FL245)



3.4 Sectorisation Maastricht UAC HAN group (> FL245)



## 4. Transfer of Control and Transfer of Communications

### 4.1 Transfer of Control

The transfer of control takes place at the AoR boundary, unless otherwise specified in paragraph 5.

### 4.2 Transfer of communications

The transfer of communications shall take place not later than the coordination point (COP), unless otherwise coordinated.

#### 4.2.1 Transfer of communications to EDGG

Sector	Logon code	Channel	Callsign
MMUN	EDYY_HRM_CTR	133.215	Maastricht Radar
	EDYY_HAN_CTR	133.805	Maastricht Radar
	EDWW_W_CTR	123.925	Bremen Radar
	EDWW_CTR	125.025	Bremen Radar
MRUHR	EDYY_HRM_CTR	133.215	Maastricht Radar
	EDYY_HAN_CTR	133.805	Maastricht Radar
	EDGG_NW_CTR	133.435	Langen Radar
	EDGG_WH_CTR	128.505	Langen Radar
	EDGG_W_CTR	124.900	Langen Radar
	EDGG_CTR	136.955	Langen Radar
GG_DLD	EDGG_DLD_CTR	121.355	Langen Radar
	EDGG_WH_CTR	128.505	Langen Radar
	EDGG_NW_CTR	133.435	Langen Radar
	EDGG_HD_CTR	119.110	Langen Radar
	EDGG_DN_CTR	125.680	Langen Radar
	EDGG_NDH_CTR	125.225	Langen Radar
	EDGG_W_CTR	124.900	Langen Radar
	EDGG_CTR	136.955	Langen Radar
GG_HMM	EDGG_HMM_CTR	129.300	Langen Radar
	EDGG_WH_CTR	128.505	Langen Radar
	EDGG_HD_CTR	119.110	Langen Radar
	EDGG_NDH_CTR	125.225	Langen Radar
	EDGG_N_CTR	135.650	Langen Radar
	EDGG_CTR	136.955	Langen Radar
GG_NOR	EDGG_NOR_CTR	127.365	Langen Radar
	EDGG_WH_CTR	128.505	Langen Radar
	EDGG_NW_CTR	133.435	Langen Radar
	EDGG_DN_CTR	125.680	Langen Radar
	EDGG_NDH_CTR	125.225	Langen Radar
	EDGG_W_CTR	124.900	Langen Radar
	EDGG_CTR	136.955	Langen Radar

#### 4.2.2 Transfer of Communications to EHAA

Sector	Logon code	Channel	Callsign
MDD	EDYY_DD_CTR	132.085	Maastricht Radar
	EDYY_DEC_CTR	135.510	Maastricht Radar
	EHAA_SW_CTR	123.850	Amsterdam Radar
	EHAA_CTR	125.750	Amsterdam Radar
EHAA_2	EHAA_2_CTR	128.580	Amsterdam Radar
	EHAA_NE_CTR	124.880	Amsterdam Radar
	EHAA_CTR	125.750	Amsterdam Radar
EHMC_S	EHMC_S_CTR	125.930	Dutchmil
	EHMC_CTR	128.355	Dutchmil
	EHAA_SW_CTR	123.850	Amsterdam Radar
	EHAA_CTR	125.750	Amsterdam Radar
BK_APP	EBBK_APP	123.980	Beek Approach
	EHAA_SW_CTR	123.850	Amsterdam Radar
VK_R_APP	EHVK_R_APP	123.180	Rapcon South

	EHMC_S_CTR	125.930	Dutchmil
	EHMC_CTR	128.355	Dutchmil
	EHAA_SW_CTR	123.850	Amsterdam Radar
	EHAA_CTR	125.750	Amsterdam Radar

## 5. Procedures

### 5.1 Flights from Amsterdam ACC to Langen ACC

#### 5.1.1 Destination in Langen FIR

To	From	Routing	COP	FLA	Receiving sector	
EDDK	Any	L620	SONEB	FL210	GG_HMM	
EDLP				FL150		
EDLW				FL110		
EDDG				FL250	MMUN	
Other		L620 <sup>1)</sup>				
EDDL		T196, P62	TEBRO	FL170	GG_DLD	
EDLN						
EDLV						
ETNG						
ETNN						
ETOU				FL210		
ETAD						
Any		Z739 <sup>2)</sup>	NAPRO	FL250	MRUHR	
		L620, Z718	SUVOX	FL245	MMUN	

(1) Flights departing Amsterdam FIR (with RFL > FL245) shall be at SONEB at FL210 or above and at OLDOD at FL250 or above.

(2) Flights departing Amsterdam FIR (with RFL > FL245) shall be at DEPAD at FL210 or above and at AMOSU at FL250 or above.

#### 5.1.2 Other destinations

To	From	Routing	COP	FLA	Receiving sector
Any	EHEH	SID	VELNI	FL170	GG_DLD
	EHBK	SID	NETEX	FL060	
			ELBED	FL060	GG_NOR
	Any	L620, Z841	SONEB	FL110 – FL230	GG_HMM
		T196, P62	TEBRO	FL110 – FL230	GG_DLD
Z739		NAPRO			
Any	Any	Z739 <sup>1)</sup>		FL250	MRUHR
		L620, Z718	SUVOX	FL245	MMUN

## 5.2 Flights from Langen ACC to Amsterdam ACC

### 5.2.1 Destination in EHAA FIR

To	From	Routing	COP	FLA	Receiving sector
EHAM(1)	Any	T281	NORKU	FL200 – FL260	EHAA_2
EHLE EHBD, EHGG, EHRD		L602, L604, L980	RKN <sup>2)</sup>	FL100 – FL260	
EHEH	Any	T883, DCT	ROTEK	FL080	VK_R_APP
EHBK	Any	Z282, Z283	NETEX	FL080	BK_APP
	EDLN	SID	MODRU <sup>2)</sup>		
	Any	STAR	BAXIM <sup>3)</sup>	FL070	

(1) Traffic via RKN with destination EHAM with RFL > FL185 shall be rerouted via NORKU.

(2) MODRU is not available for traffic ARR EHBK except DEP EDLN. MODRU is compulsory for traffic ARR EHBK with DEP EDLN.

(3) Transfer should take place at least 10 NM before BAXIM.

### 5.2.2 Other destinations

To	From	Routing	COP	FLA	Receiving sector
Any	EDDG	SID	RKN	FL120	EHAA_2
	EDLP	HMM L602		FL180	
	EDLW				
	EDDK	WYP P64	SONEB	FL140 – FL160	
	EDDL	SID			
	EDLN				
	EDLV				
Any	Any	T281	NORKU	FL260	