

## LETTER OF AGREEMENT

between

**Dutch VACC  
Amsterdam FIR (EHAA)**

and

**VATSIM Germany  
Langen FIR (EDGG)**

Version: March 2021

### 1. VATSIM position names

ATS Unit	Sector	Callsign	VATSIM code
Maastricht UAC	Delta	Maastricht Radar	EDYY_D_CTR
Maastricht UAC	Muenster	Maastricht Radar	EDYY_M_CTR
Maastricht UAC	Ruhr	Maastricht Radar	EDYY_R_CTR
Maastricht UAC	Celle / combined	Maastricht Radar	EDYY_C_CTR
EuroCenter	Maastricht	Maastricht Eurocontrol	EURM_CTR
Amsterdam ACC	West	Amsterdam Radar	EHAA_W_CTR
Amsterdam ACC	East	Amsterdam Radar	EHAA_E_CTR
Amsterdam ACC	South	Amsterdam Radar	EHAA_S_CTR
Dutch Mil AOCS	Military TMA D & E	Dutch Mil	EHMC_CTR
Langen ACC	Paderborn High	Langen Radar	EDGG_P_CTR
Langen ACC	Hamm	Langen Radar	EDGG_H_CTR
Langen ACC	Combined	Langen Radar	EDGG_CTR
Langen ACC	Bottrop	Langen Radar	EDDL_B_APP
Langen ACC	Düsseldorf Dep	Langen Radar	EDDL_D_APP
Langen ACC	Düsseldorf Arrival	Langen Radar	EDDL_APP
Langen ACC	Düsseldorf Director	Langen Radar	EDDL_F_APP
Bremen ACC	Aller High	Bremen Radar	EDWW_A_CTR
Bremen ACC	Deister	Bremen Radar	EDWW_D_CTR
Bremen ACC	Combined	Bremen Radar	EDWW_CTR
Beek APP		Beek Approach	EHBK_APP
Langen ACC	Münster Arrival	Langen Radar	EDDG_APP
Langen ACC	Paderborn Arrival	Langen Radar	EDLP_APP

## 2. VATSIM sector definitions

VATSIM sector	Vertical limits	Sector code	Responsible ATS unit (in order of precedence):
Maastricht UAC Delta	FL 245 – FL 660	EDYYD	<ol style="list-style-type: none"> <li>1. EDYY_D_CTR</li> <li>2. EHAA_E_CTR</li> <li>3. EHAA_W_CTR</li> <li>4. EURM_CTR</li> </ol>
Maastricht UAC Muenster	FL 245 – FL 660	EDYYM	<ol style="list-style-type: none"> <li>1. EDYY_M_CTR</li> <li>2. EDYY_R_CTR</li> <li>3. EDGG_H_CTR</li> <li>4. EDGG_P_CTR</li> <li>5. EDGG_CTR</li> <li>6. EDYY_C_CTR</li> <li>7. EDWW_D_CTR</li> <li>8. EDWW_A_CTR</li> <li>9. EDWW_CTR</li> <li>10. EURM_CTR</li> </ol>
Maastricht UAC Ruhr	FL 245 – FL 660	EDYYR	<ol style="list-style-type: none"> <li>1. EDYY_R_CTR</li> <li>2. EDYY_M_CTR</li> <li>3. EDGG_P_CTR</li> <li>4. EDGG_H_CTR</li> <li>5. EDGG_CTR</li> <li>6. EURM_CTR</li> </ol>
Maastricht Area, L179 Area, Maastricht TMA 2	FL 095 – FL 245	MAS	<ol style="list-style-type: none"> <li>1. EBBU_E_CTR</li> <li>2. EBBU_W_CTR</li> </ol>
Amsterdam CTA East	GND – FL 245	EHAAE	<ol style="list-style-type: none"> <li>1. EHAA_E_CTR</li> <li>2. EHAA_W_CTR</li> </ol>
Dutch Mil TMA D	GND – FL 245	EHMC	<ol style="list-style-type: none"> <li>1. EHMC_CTR</li> <li>2. EHEH_A_APP</li> <li>3. EHAA_S_CTR</li> <li>4. EHAA_E_CTR</li> <li>5. EHAA_W_CTR</li> </ol>
Langen HMM	GND – FL 245	HMM	<ol style="list-style-type: none"> <li>1. EDDG_APP</li> <li>2. EDGG_H_CTR</li> <li>3. EDLP_APP</li> <li>4. EDGG_P_CTR</li> <li>6. EDGG_CTR</li> <li>7. EDYY_M_CTR</li> <li>8. EDYY_R_CTR</li> </ol>
Langen BOT	GND – FL 245	BOT	<ol style="list-style-type: none"> <li>1. EDDL_B_APP</li> <li>2. EDDL_D_APP</li> <li>3. EDDL_APP</li> <li>4. EDDL_F_APP</li> <li>5. EDGG_H_CTR</li> <li>6. EDGG_P_CTR</li> <li>7. EDGG_CTR</li> <li>8. EDYY_R_CTR</li> <li>9. EDYY_M_CTR</li> </ol>
Maastricht TMA 1	GND – FL 095	EHBK	<ol style="list-style-type: none"> <li>1. EHBK_APP</li> <li>2. EHAA_S_CTR</li> <li>3. EHAA_E_CTR</li> <li>4. EHAA_W_CTR</li> </ol>

### 3. ATS routes, co-ordination points, fight level allocation

Flights from Amsterdam FIR to Langen FIR.

COP	Dep	Dest	Next sector	FL allocation <sup>1)</sup>	Remarks
EDYYD & EDYYM/EDYYR boundary			EDYYM/EDYYR	FL 270 or above	No specific COP for flights between Maastricht UAC sectors. Handoff at or before sector boundary.
SONEB	EHAA FIR		EDYYM	FL 250	Flights are released for climb. Amsterdam FIR departures with an RFL above FL 245 shall meet the following level restrictions: <ul style="list-style-type: none"> <li>▪ SONEB at or above FL 210;</li> <li>▪ OLDOD at or above FL 250.</li> </ul>
SONEB			HMM	FL 070 – FL 230	
SONEB		EDDK	HMM	FL 210	Flights are released for descent to FL 180.
SONEB		EDLP	HMM	FL 210	
SONEB		EDLW	HMM	FL 210	
SONEB		EDDG	HMM	FL 110	Flights are released for descent and turns.
TEBRO		EDDL	BOT	FL 170	Flights are released for descent and right turns.
TEBRO		EDLN	BOT	FL 170	
TEBRO		EDLV	BOT	FL 170	
TEBRO		ETNG	BOT	FL 170	
TEBRO		ETNN	BOT	FL 170	
TEBRO		ETAD	BOT	FL 210	Flights are released for right turns.
TEBRO		ETOU	BOT	FL 210	
NAPRO	EHAA FIR		EDYYR	FL 250	Flights are released for climb. Amsterdam FIR departures with an RFL above FL 245 shall meet the following level restrictions: <ul style="list-style-type: none"> <li>▪ DEPAD at or above FL 210;</li> <li>▪ AMOSU at or above FL 250.</li> </ul>
NAPRO			BOT	FL 070 – FL 230	
VELNI	EHEH		BOT	FL 160	Flights are released for climb.
PIMIP	EHBK		BOT	FL 060	Flights are released for climb
DIBIR			BOT	FL 110 – FL 210	
NVO	EHBK	EDDK	BOT	FL 060	Only flights inbound EDDK via ELBED. Flights are released for climb.

1) Odd levels.

Flights from Langen FIR to Amsterdam FIR.

COP	Dep	Dest	Next sector	FL allocation <sup>2)</sup>	Remarks
EDYYM/ EDYYR & EDYYD boundary			EDYYD	FL 260 or above	No specific COP for flights between Maastricht UAC sectors. Handoff at or before sector boundary.
NORKU		EHAM	EHA AE	FL 260	From upper airspace (EDYYM). Flights are released for speed control, turns and descent, subject to known traffic, after passing 2.5 NM west of the lateral limits of the TEBRO area.
NORKU		EHAM	EHA AE	FL 200 – FL 240	From lower airspace (HMM). Flights are released for left turns.
RKN			EDYYD	FL 260 or above	
RKN			EHA AE	FL 100 – FL 240	
RKN			EHMC	FL 080 or below	
RKN		EHA A FIR	EHA AE	FL 260	From upper airspace (EDYYM).
RKN		EHAM	EHA AE	FL 080 - FL 180	Not available for flights inbound EHAM (these flights shall route via NORKU).
RKN		EHLE	EHA AE	FL 180	Flights are released for descent, subject to known traffic, after passing 2.5 NM west of the lateral limits of the TEBRO area.
RKN		EHTW	EHMC	FL 060	Flights with a RFL below FL 060 will be subject to coordination.
RKN	EDDG		EHA AE	FL 120	Higher FL needs to be coordinated with Amsterdam ACC. Flights are released for climb.
RKN	EDLP		EHA AE	FL 200	
RKN	EDLW		EHA AE	FL 200	
SONEB	EDDK		EHA AE	FL 220	
SONEB	EDDL		EHA AE	FL 160	
SONEB	EDLN		EHA AE	FL 160	
SONEB	EDLV		EHA AE	FL 160	
SONEB	ETNG		EHA AE	FL 160	
SONEB	ETNN		EHA AE	FL 160	
ROTEK		EHEH	EHMC	FL 80	
DIBIR			EHA AE	FL 200 – FL 240	
BOBMO		EHBK	EHBK	FL 080	NETEX arrivals inbound EHBK.
MAS		EHBK	EHBK	FL 080	NVO arrivals inbound EHBK.
MAS	EDLN			FL 050	

2) Even levels.

#### **4. General notes**

FL 250 is not available as a cruising level (RFL) within the Amsterdam and Langen FIRs.

Conditional (Z-)routes can be used at all times, except when military activities are expected in EHAA FIR. In that case a 10 minutes prior notification shall be given from EHMC\_CTR or EHAA\_W\_CTR to EDYY\_J\_CTR and traffic shall be rerouted via non-conditional routes.

#### **5. Delegation of the responsibility for the Provision of ATS**

##### Delegation of ATS from Amsterdam ACC to Brussels ACC

Within the Amsterdam FIR the responsibility for the provision of ATS in accordance with the airspace classification has been delegated from Amsterdam ACC to Brussels ACC within the following areas:

##### **Maastricht Area**

Lateral limits: The part of the Amsterdam FIR as depicted on the picture in the appendix.

Vertical limits: FL 195 – FL 245.

##### **L179 Area**

Lateral limits: The part of the Amsterdam FIR as depicted on the picture in the appendix.

Vertical limits: FL 095 – FL 195.

##### **Maastricht TMA 2**

Lateral limits: The part of the Amsterdam FIR as depicted on the picture in the appendix.

Vertical limits: FL 095 – FL 195.

##### Delegation of ATS from Langen ACC to Amsterdam ACC

Within the Langen FIR the responsibility for the provision of ATS in accordance with the airspace classification has been delegated from Langen ACC to Amsterdam ACC within the following areas.

##### **TEBRO Area**

Lateral limits: The part of the Langen FIR as depicted on the picture in the appendix.

Vertical limits: FL 205 - FL 245.

##### **SONEB Area**

Lateral limits: The part of the Langen FIR as depicted on the picture in the appendix.

Vertical limits: FL 105 - FL 205.

##### **KLEVE Medium Area**

Lateral limits: The part of the Langen FIR as depicted on the picture in the appendix.

Vertical limits: FL 095 to FL 145.

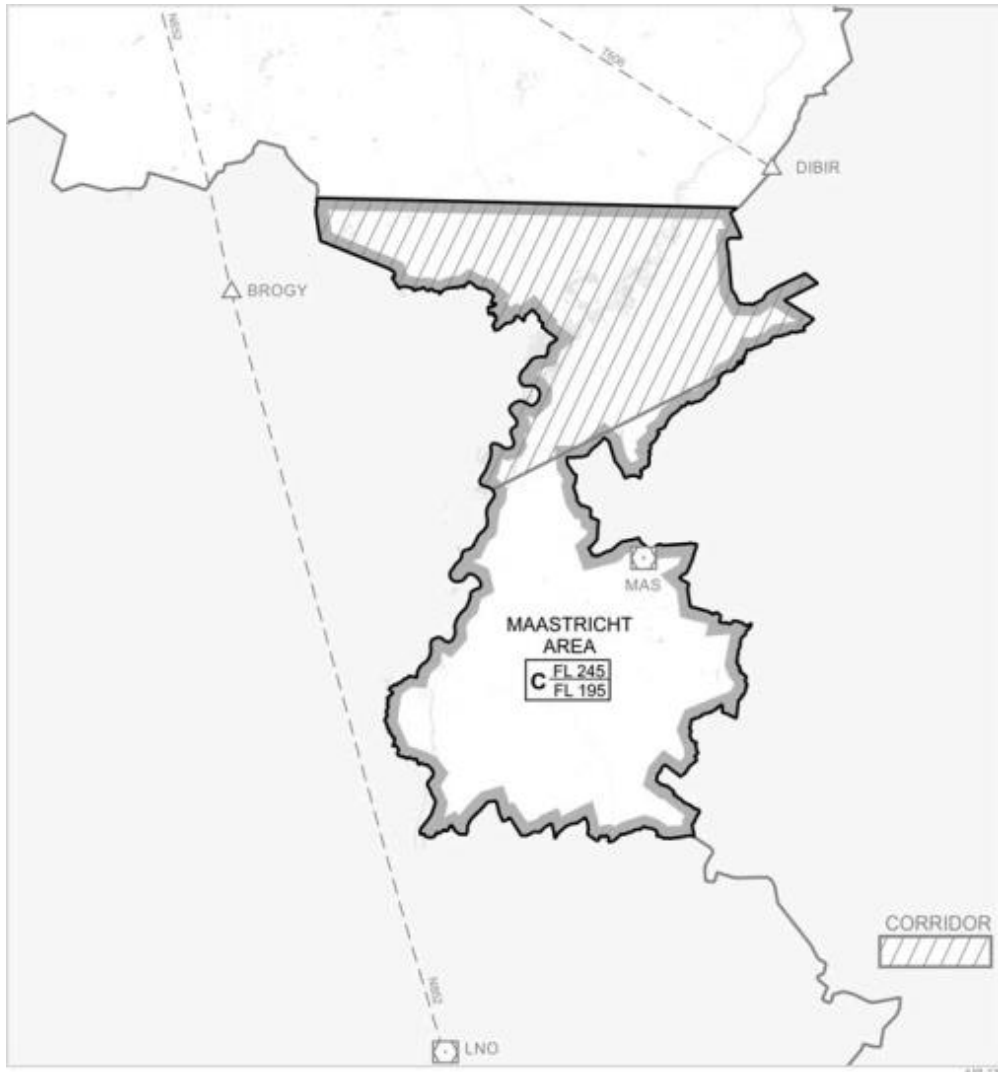
##### **KLEVE HI Area**

Lateral limits: The part of the Langen FIR as depicted on the picture in the appendix.

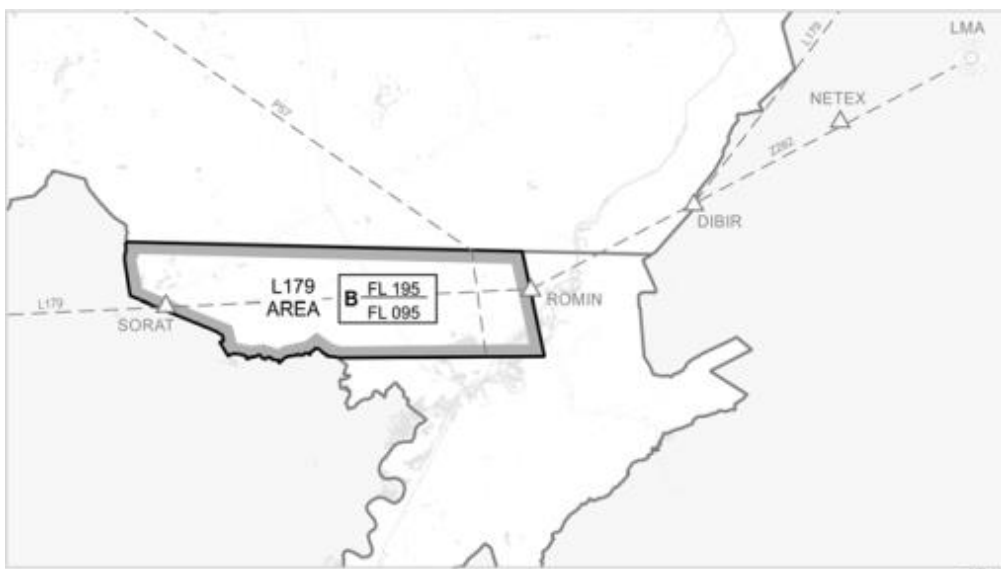
Vertical limits: FL 145 to FL 205.

APPENDIX: (DELEGATED AIRSPACE TO/FROM OTHER ATS UNITS):

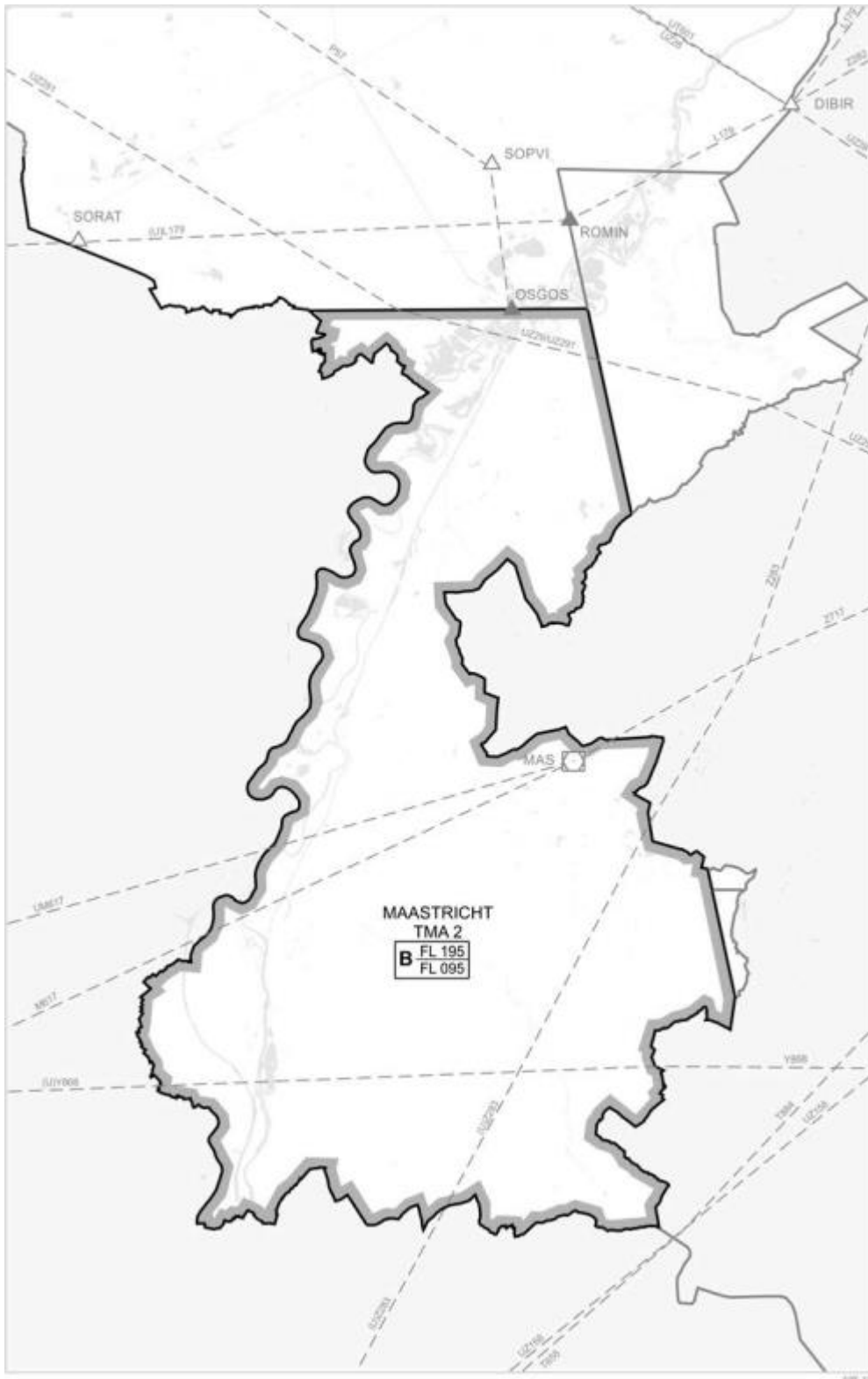
Maastricht Area



L179 Area



# Maastricht TMA 2



**TEBRO, SONEB, KLEVE HI and KLEVE Medium Areas**

