

# **LETTER OF AGREEMENT**

between

**München FIR (EDMM)**

and

**Milano FIR (LIMM)**

**Version 2.1**

**2012-10-10**

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## CHANGES

### Version 2.1

- **Updated ATC station list (added München Upper )**
- **Modified VATITA staff member**
- **Updated sector graphics (EDMM lower + upper)**
- **Added lower airspace airways and level coordination**

## GENERAL REGULATIONS

- **Handoffs** (transfer of communication) shall be made **latest 10 NM** prior the respective boundary (FIR border, APP airspace, delegated airspace). After handoff, traffic is **NOT released** for climb, descent or turns unless otherwise specified in the regulations below.
- **Traffic overflying** EDMM and/or LIMM shall be handed off on a valid ATS route **at RFL** using the semicircular cruising level system (even northbound /odd southbound). Direct routings shall be coordinated.
- **Traffic on radar headings** flying **at, or less than, 5nm left or right of route** can be handed off without coordination. **Any deviation of more than 5nm shall be coordinated between the two controllers.**
- **Spacing** between two aircraft on **same level** and same routing shall be **at least 10 NM** if the **speed** of the succeeding traffic is **equal or less** than the speed of the preceding traffic, otherwise **at least 15 NM**. Spacings deviating from this regulation shall be coordinated.
- 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, **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.
- **RFL** = requested flight level

## AIRSPACE DELEGATION

- The airspace **south** of the Rocky-Line  
471800n 100414e - 470003n 102322e - 465826n 113939e - 465604n 115030  
is **permanently delegated** from LOVV to LIPP.
- The airspace **north** of the Rocky-Line  
471800n 100414e - 470003n 102322e - 465826n 113939e - 465604n 115030  
is **permanently delegated** from LOVV to EDMM except the Innsbruck Area below FL165.

## ATC POSITIONS

### Milano FIR

#### ATC stations

LIMM_N_CTR	Milano Radar	127.450	GND-UNL
LIPP_N_CTR	Padova Radar	125.470	GND-UNL
LIUP_CTR	Italy Radar	132.900	FL195-UNL

### München FIR

#### ATC stations

EDMM_K_CTR	München Radar	Kempton sector	134.150	GND – FL315
EDMM_C_CTR	München Radar	Chiem sector	133.670	GND – FL315
EDMM_R_CTR	München Radar	Roding sector	132.550	GND – UNL
EDMM_CTR	München Radar	Main sector	124.050	GND – UNL
EDMM_L_CTR	München Radar	Alpen sector	127.300	FL315 – UNL*
EURM_CTR	Maastricht Radar	Maastricht Radar	135.450	FL245 – UNL

\* EDMM\_K\_CTR and EDMM\_C\_CTR will be responsible for EDMM upper airspace if no upper sector is online.

(refer to "APPENDIX GRAPHICS" at the end of this LoA)

### vACC Austria

LOVV_CTR	Wien Radar	134.350	GND-FL165
LOWI_APP	Innsbruck Radar	119.270	GND-FL165

- If **LOWI\_APP** is **not online**, **LOVV\_CTR** will be responsible for the respective airspace.
- If **LIPP\_N\_CTR** is **not online**, **LIMM\_N\_CTR** will be responsible for the respective airspace.
- If **LIPP\_N\_CTR** or **LIMM\_N\_CTR** is **not online**, **LIUP\_CTR** will be responsible for the respective airspace.

## Flights from München FIR to Milano FIR

### EDDM, EDMA, EDMO, EDJA, EDNY, LSZR, LSZH and LOWS DEPARTURES

Traffic **departing from EDDM, EDMA, EDMO, EDJA, EDNY, LSZR, LSZH and LOWS** shall be routed via...

- **TIRUL M738/UM738/Y740**  
Level: **FL230/FL270/FL270**  
Release: released for climb  
Handoff: EDMM\_K\_CTR → LIPP\_N\_CTR
- **OTRES N606/UN606**  
Level: **FL230/FL270**  
Release: released for climb  
Handoff: EDMM\_K\_CTR → LIPP\_N\_CTR
- **OLPIX M736/UM736**  
Level: **FL230/FL270**  
Release: released for climb  
Handoff: EDMM\_C\_CTR → LIPP\_N\_CTR
- **LIKDA N503/UN503**  
Level: **FL230/FL270**  
Release: released for climb  
Handoff: EDMM\_C\_CTR → LIPP\_N\_CTR
- **TOBSO Y107**  
Level: **FL270**  
Release: released for climb  
Handoff: EDMM\_C\_CTR → LIPP\_N\_CTR
- **GOGEM Y108**  
Level: **FL210**  
Release: released for climb  
Handoff: EDMM\_C\_CTR → LIPP\_N\_CTR

### LIMx, LIPE, LIPQ and LIPK (except LIMC, LIML, LIME, LIMF, LIMJ and LIMZ) ARRIVALS

Traffic **arriving at LIMx, LIPE, LIPQ and LIPK (except LIMC, LIML, LIME, LIMF, LIMJ and LIMZ)** shall be routed via...

- **TIRUL M738/UM738/Y740**  
Level: **FL230/FL290/FL290**  
Release: released for descent  
Handoff: EDMM\_K\_CTR → LIPP\_N\_CTR
- **OTRES N606/UN606**  
Level: **FL230/FL290**  
Release: released for descent  
Handoff: EDMM\_K\_CTR → LIPP\_N\_CTR
- **LIKDA N503/UN503**  
Level: **FL230/FL290**  
Release: released for descent  
Handoff: EDMM\_C\_CTR → LIPP\_N\_CTR

**LIMC, LIML, LIME, LIMF, LIMJ and LIMZ ARRIVALS**

Traffic **arriving at LIMC, LIML, LIME, LIMF, LIMJ and LIMZ** shall be routed via...

- **OLPIX M736/UM736**  
Level: **FL230/FL350**  
Release: released for descent  
Handoff: EDMM\_C\_CTR → LIPP\_N\_CTR
- **NATAG M738/UM738/Y740**  
Level: **FL230/FL290/FL290**  
Release: released for descent  
Handoff: EDMM\_K\_CTR → LIPP\_N\_CTR
- **LIKDA N503/UN503**  
Level: **FL230/FL330**  
Release: released for descent  
Handoff: EDMM\_C\_CTR → LIPP\_N\_CTR

**LIPx (except LIPE, LIPQ, LIPK and LIPB) ARRIVALS**

Traffic **arriving at LIPx (except LIPE, LIPQ, LIPK and LIPB)** shall be routed via...

- **TIRUL M738/UM738/Y740**  
Level: **FL230/FL290/FL290**  
Release: released for descent  
Handoff: EDMM\_K\_CTR → LIPP\_N\_CTR
- **LIKDA N503/UN503**  
Level: **FL230/FL250**  
Release: released for descent  
Handoff: EDMM\_C\_CTR → LIPP\_N\_CTR
- **OLPIX M736/UM736**  
Level: **FL230/FL250**  
Release: released for descent  
Handoff: EDMM\_C\_CTR → LIPP\_N\_CTR
- **TOBSO Y107**  
Level: **FL250**  
Release: released for descent  
Handoff: EDMM\_C\_CTR → LIPP\_N\_CTR

**LIPB ARRIVALS**

Traffic **arriving at LIPB** shall be routed via...

- **TIRUL M738/UM738/Y740**

Level: **FL230**

Release: released for descent

Handoff: EDMM\_K\_CTR → LIPP\_N\_CTR

- **LIKDA N503/UN503**

Level: **FL230**

Release: released for descent

Handoff: EDMM\_C\_CTR → LIPP\_N\_CTR

- **OLPIX M736/UM736**

Level: **FL230**

Release: released for descent

Handoff: EDMM\_C\_CTR → LIPP\_N\_CTR

- **TOBSO Y107**

Level: **FL230**

Release: released for descent

Handoff: EDMM\_C\_CTR → LIPP\_N\_CTR

## Flights from Milano FIR to München FIR

### EDDM, EDMA, EDMO, ETSI and LOWS ARRIVALS

Traffic **arriving at EDDM, EDMA, EDMO, ETSI or LOWS** shall be routed via...

- **MATAR T101 (Jets)**  
Level: **FL280**  
Release: released for descent  
Handoff: LIPP\_N\_CTR → EDMM\_C\_CTR
- **TUTAL T102 (Jets)**  
Level: **FL280**  
Release: released for descent  
Handoff: LIPP\_N\_CTR → EDMM\_C\_CTR
- **BRENO M726/UM726 (Jets/Props)**  
Level: **FL220**  
Release: released for descent  
Handoff: LIPP\_N\_CTR → EDMM\_C\_CTR

### LSZR, EDJA and EDNY ARRIVALS

Traffic **arriving at LSZR, EDJA or EDNY** shall be routed via...

- **SUDUX L12/UL12**  
Level: **FL240/FL260**  
Release: released for descent  
Handoff: LIPP\_N\_CTR → EDMM\_K\_CTR
- **SOTOV P66/UP66**  
Level: **FL240/FL260**  
Release: released for descent  
Handoff: LIPP\_N\_CTR → EDMM\_C\_CTR

### LSZH, EDDN, EDDS and EDSB ARRIVALS

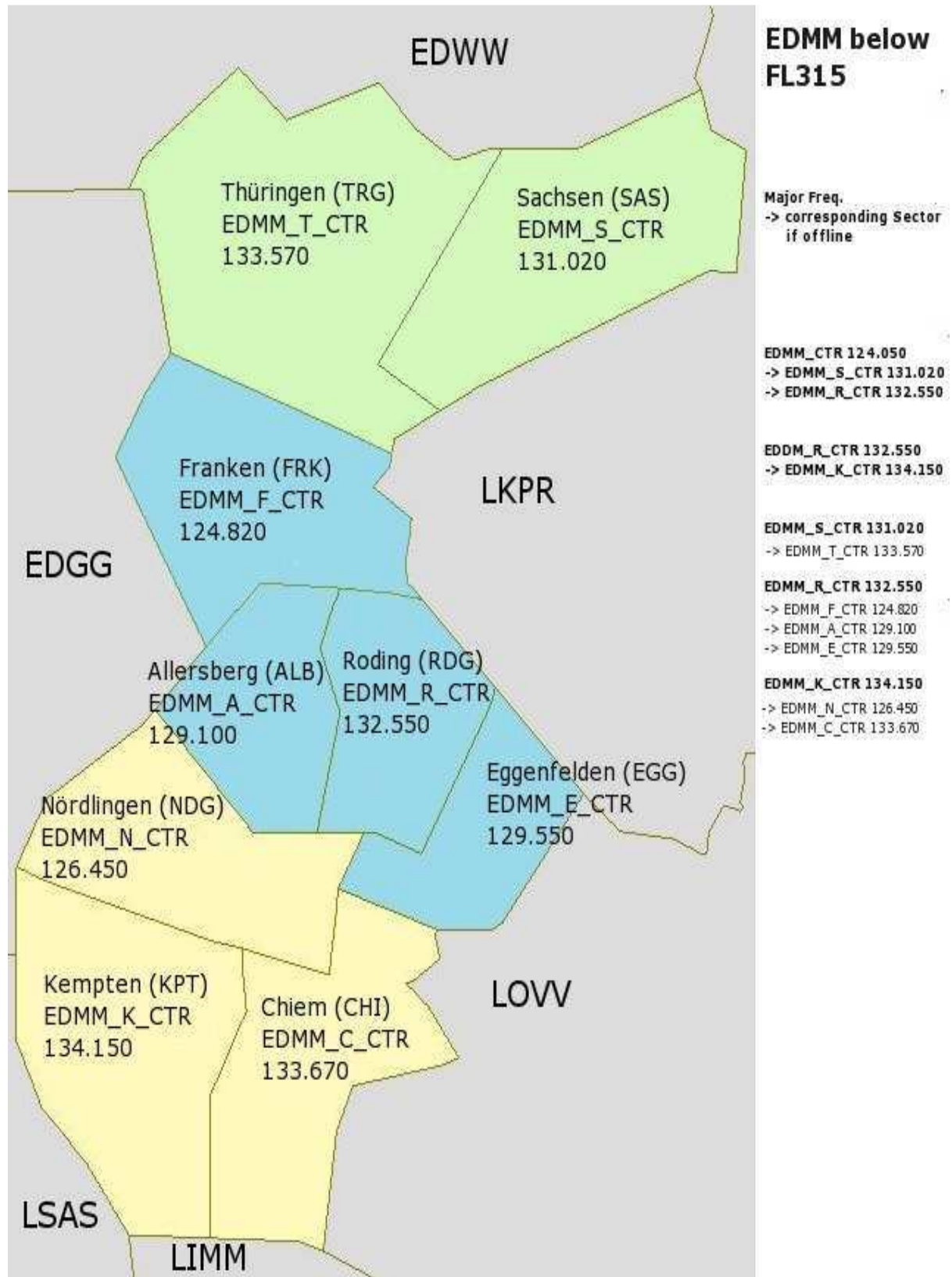
Traffic **arriving at LSZH, EDDN, EDDS and EDSB** shall be routed via...

- **SUDUX L12/UL12**  
Level: **FL240/FL320**  
Release: released for descent  
Handoff: LIPP\_N\_CTR → EDMM\_K\_CTR
- **SOTOV P66/UP66**  
Level: **FL240/FL320**  
Release: released for descent  
Handoff: LIPP\_N\_CTR → EDMM\_C\_CTR

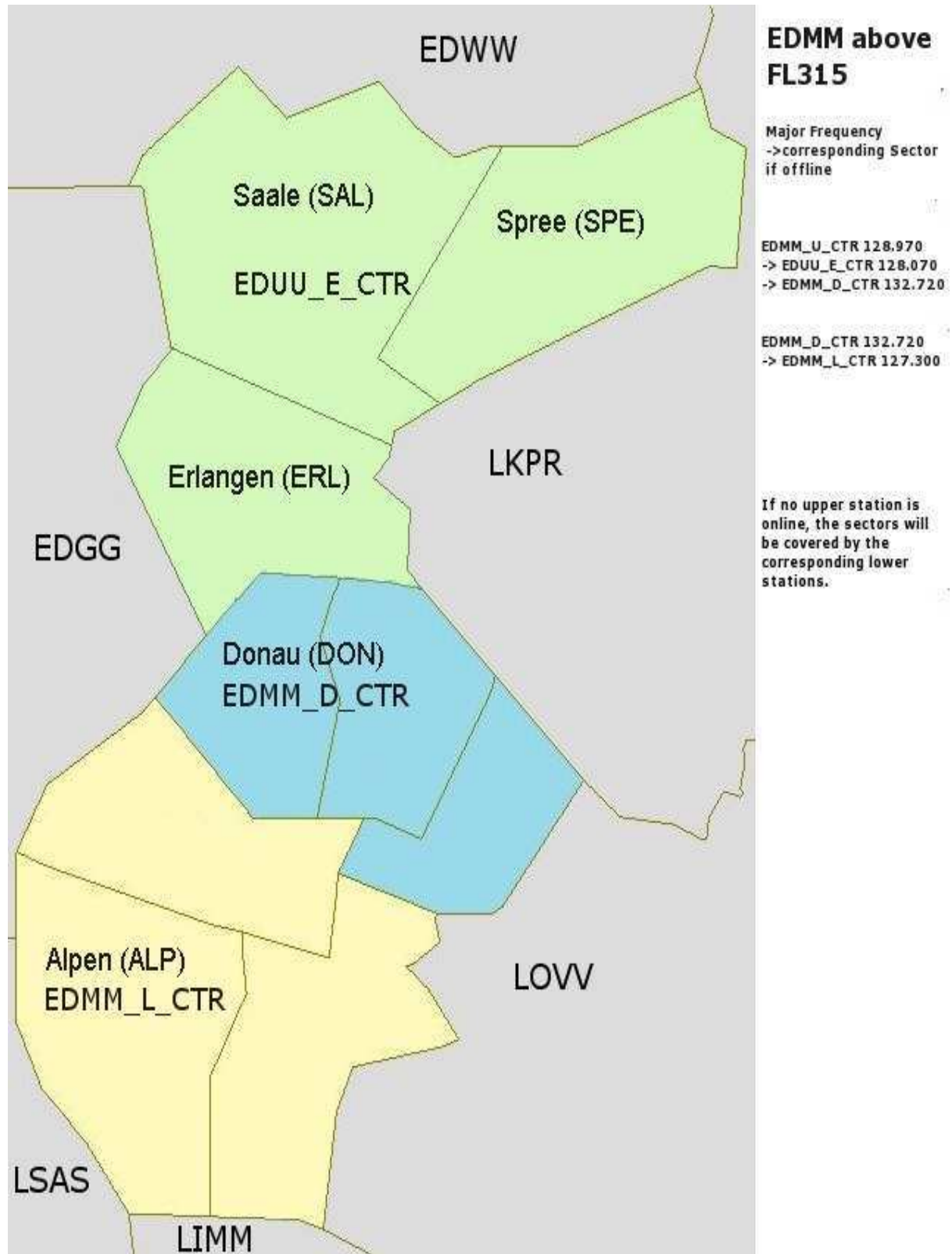
### LOWI ARRIVALS

Traffic **arriving at LOWI** shall be directly coordinated with LOWI\_APP at or below FL160.

**APPENDIX GRAPHICS**







This Letter of Agreement will be valid as of **2012-09-10**.

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