

# LETTER OF AGREEMENT BUDAPEST / WIEN

Virtual Area Control Center Hungary

FIR Wien



APPROVED BY

**Péter Selmeçi**  
*Director VACCHUN*

**Daniel Gruber**  
*Director FIR Wien*

ISSUED ON 01-01-2007

VALID FROM 01-01-2007

VERSION NR.

1.0

(01.01.2007)

VALID UNTIL WITHDRAWAL

This LoA may only be used within the simulated VATSIM environment and is therefore not to be used for real life ATC purposes.  
Unauthorized use, distribution, duplication or modification of this document on any media, website or in any form is strictly prohibited  
without prior written approval by the authors.

## General regulations

Handoffs (transfer of communication) shall be made latest 10 NM prior the respective boundary (FIR border, TMA border, delegated airspace). After handoff, traffic is NOT released for climb, descent or turns unless otherwise specified in the regulations below or otherwise coordinated between the two concerned sectors.

Traffic overflying LOVV and/or LHCC shall be handed off on a valid ATS route at RFL (requested flight level) using the semicircular cruising level system (even/odd). Direct routings shall be coordinated.

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.

## Areas of Responsibility and Delegation of the Responsibility for the Provision of ATS LESMO area (LOWW arrivals)

- In LESMO area ATS will be provided primarily by LOWW\_APP if present, otherwise by LOVV\_CTR.
- Traffic shall be cleared GIGOR1W arrival by Budapest ACC unless otherwise requested.
- Transfer of control and communication of LOWW arrivals will always be initiated before entering LESMO area.
- Vertical limits of LESMO area:  
5500' AMSL – FL240



## LHBP arrivals via Slovakian airspace

### For LHBP arrivals via ABLOM or MAREG (entering Slovakian airspace)

- if LZBB FIR is uncontrolled (i.e. none of LZBB\_CTR, LKAA\_CTR, LKAA\_E\_CTR is online), traffic is to be handed off to LHCC\_CTR at the FIR border of LOVV/LZBB.
- if LZBB\_CTR is online, traffic shall be transferred to LZBB\_CTR.
- if LKAA\_E\_CTR is online, traffic shall be transferred to LKAA\_E\_CTR.
- if LKAA\_CTR is online, information will be available in the controller's ATIS about the coverage of LZBB FIR. The following cases are possible:
  - ⇒ if LKAA\_CTR is not covering LZBB FIR, traffic shall be transferred to LHCC\_CTR or LHBP\_APP according to the first example
  - ⇒ if LKAA\_CTR is covering LZBB FIR, traffic shall be transferred to LKAA\_CTR
- Descend clearance is to be issued in time to ensure crossing MAREG at FL290 or below.

**Sectorisation in BUDAPEST FIR**

**Budapest ACC**

Normal operation (single sector operation):

ATS unit: Budapest ACC  
Radio c/s: Budapest Radar / Budapest Control  
Frequency: 133.200 MHz  
Login name LHCC\_CTR

Sector splitting (multiple sector operation):

For domestic events:

ATS unit: Budapest FIC BELOW 9500' AMSL  
Radio c/s: Budapest Information  
Frequency: 128.950 MHz  
Login name LHCC\_I\_CTR

If sectors are split horizontally:

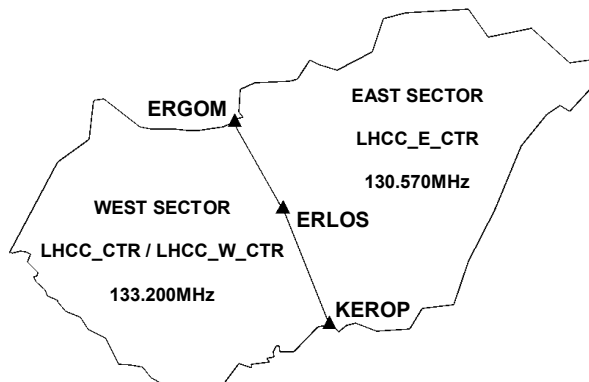
ATS unit: Budapest ACC – LOWER BETWEEN FL100 – FL295  
Radio c/s: Budapest Radar / Budapest Control  
Frequency: 128.100 MHz  
Login name LHCC\_CTR or LHCC\_L\_CTR

ATS unit: Budapest ACC – UPPER ABOVE FL295  
Radio c/s: Budapest Radar / Budapest Control  
Frequency: 133.200 MHz  
Login name LHCC\_U\_CTR

If sectors are split vertically:

ATS unit: Budapest ACC – EAST  
Radio c/s: Budapest Radar / Budapest Control  
Frequency: 130.570 MHz  
Login name LHCC\_E\_CTR

ATS unit: Budapest ACC – WEST  
Radio c/s: Budapest Radar / Budapest Control  
Frequency: 133.200 MHz  
Login name LHCC\_CTR or LHCC\_W\_CTR



## **Sectorisation in FIR WIEN**

### **Wien ACC**

#### Normal operation (single sector operation):

ATS unit: Wien ACC  
Radio c/s: Wien Radar  
Frequency: 134.350 MHz  
Login name LOVV\_CTR

#### Sector splitting (multiple sector operation):

ATS unit:	Wien ACC – LOWER	BELOW FL125
Radio c/s:	Wien Radar	
Frequency:	128.700 MHz	
Login name	LOVV_L_CTR	

ATS unit:	Wien ACC	BETWEEN FL125 – FL245
Radio c/s:	Wien Radar	
Frequency:	134.350 MHz	
Login name	LOVV_CTR	

ATS unit:	Wien ACC – UPPER	ABOVE FL245
Radio c/s:	Wien Radar	
Frequency:	131.350 MHz	
Login name	LOVV_U_CTR	

ATS unit:	Wien FIC – for VFR A/C only	
Radio c/s:	Wien Information	
Frequency:	124.400 MHz	
Login name	LOVV_I_CTR	

### **Wien APP (regarding Budapest ACC)**

#### Normal operation (single sector operation):

ATS unit: Wien Approach  
Radio c/s: Wien Radar  
Frequency: 128.200 MHz  
Login name LOWW\_APP

#### Sector splitting (multiple sector operation within Wien TMA):

ATS unit:	Wien Upper Approach	BETWEEN FL105 – FL245
Radio c/s:	Wien Radar	
Frequency:	129.550 MHz	
Login name	LOWW_S_APP	

ATS unit:	Wien Approach	BELOW FL105
Radio c/s:	Wien Radar	
Frequency:	128.200 MHz	
Login name	LOWW_APP	

**Co-ordination Points and Flight Level Allocation**

**Departures shall be cleared:**

<b>From</b>	<b>CFL/ max FL</b>	<b>Entry conditions</b>
LHBP via SUNIS	280	at FL
LHBP via TEKNO – BEGLA	300	climbing / at FL250 or above
LHBP via all other COPs	300	climbing / at FL250 or above
LHPP via SUNIS	260	climbing
LHPP via all other COPs	280	climbing
LHSM via DIMLO, GOTAR, SUNIS	160	climbing
LOWW via STEIN and SASAL	270	climbing / at FL110 or above
LOWW via DIMLO	310	climbing / at FL250 or above
LOWK via GOTAR, DIMLO	190	at FL
LOWG via GOTAR, DIMLO	150	climbing / at FL130 or above
FIR Ljubljana	250	Climbing
LHPR	8000' AMSL	climbing

The assignment of higher levels rests primarily with the accepting unit !

**Arrivals shall be cleared:**

<b>Destination</b>	<b>CFL/ max FL</b>	<b>Entry conditions</b>
LOWW via GIGOR 1W STAR	140	cross GIGOR at FL160 or below
LOWW via DIMLO	260	at FL
LHBP via GOTAR	290	cross FIR border at FL290
LHBP via STO UL175 ANEXA	130	cross ANEXA if runway in use 13
	170	cross ANEXA if runway in use 31
LHSM	230	cross FIR border at FL250 or below
LHTA, LHPP	290	at FL
LOWL, LOWS	340	at FL
LOWK	200	at FL
LOWG via GOTAR, DIMLO	140	cross FIR border at FL180 or below
within FIR Ljubljana	260	at FL