

The Free Route Airspace Implementation Workshop / 2

Bangkok, Thailand

13th Nov 2024

This event is jointly organised with



FRA - Bringing the World Together

Free Route Airspace in Austria

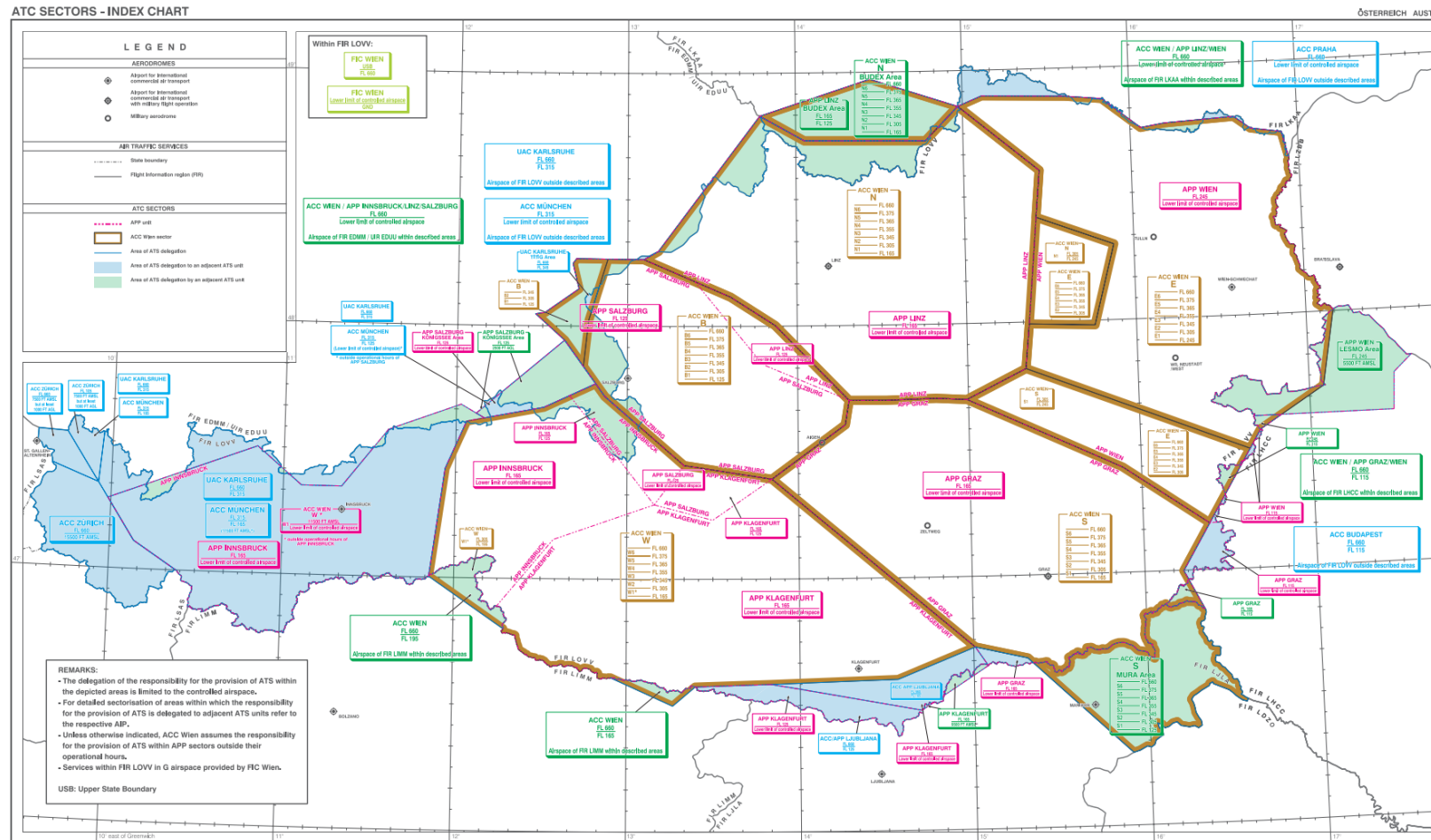
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Mr. Arno LEIMLEHNER

Manager Airspace and Procedures Design

ATCO at ACC Vienna

Free Route Airspace (FRA) in Austria

Overview – FIR versus ACC Vienna



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Free Route Airspace (FRA) in Austria

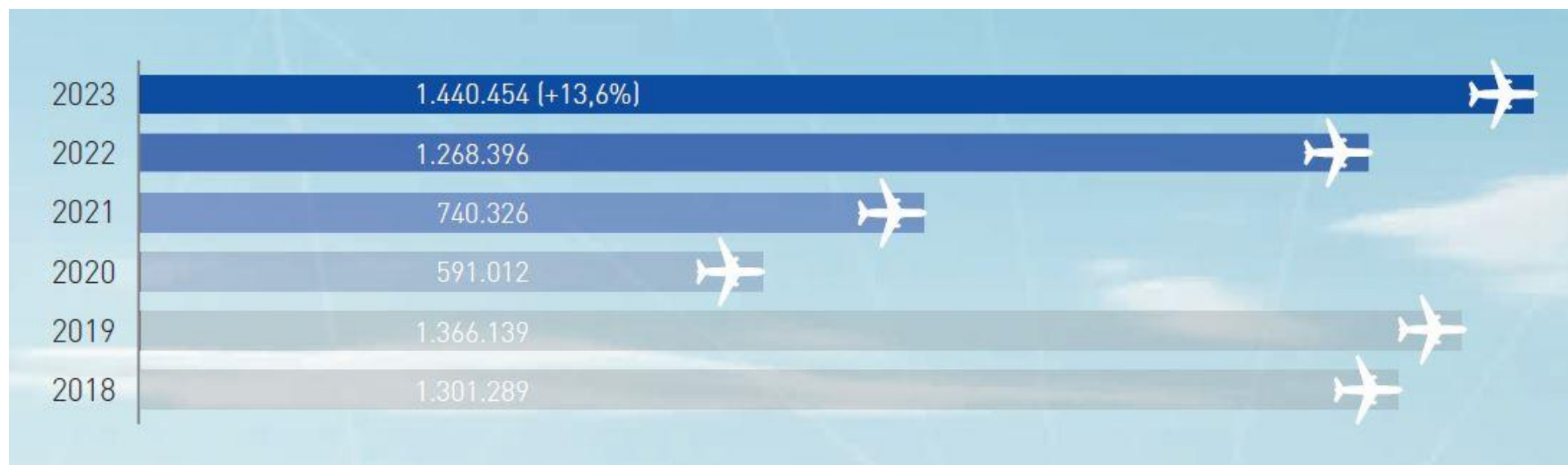
Overview – FIR versus ACC Vienna



Free Route Airspace (FRA) in Austria

Overview – facts and figures

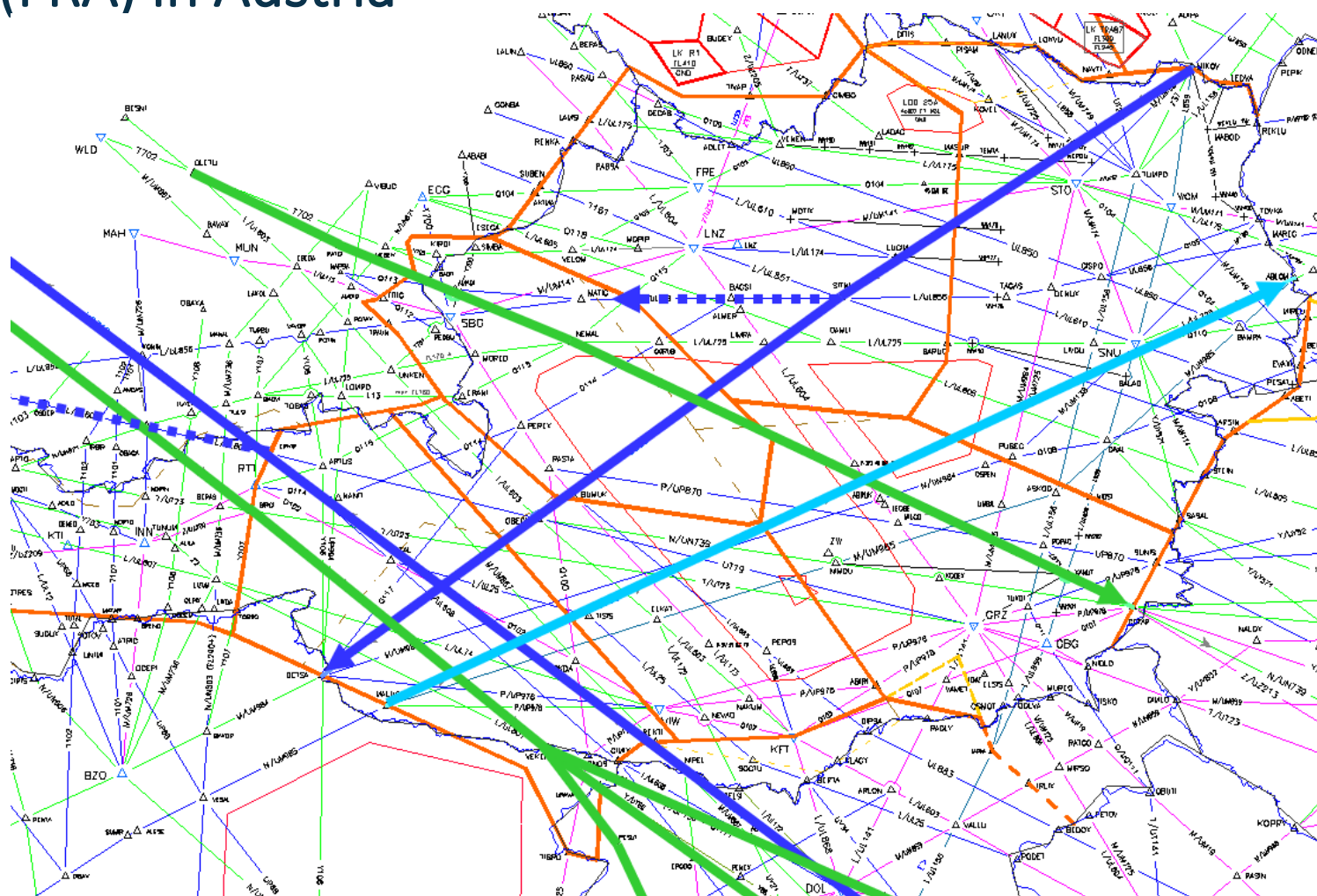
- Approx. 1.100 employees of which approx. 350 ATCOs (ACC, APP, TWR)
 - 1 ACC unit, 6 TWR/APP units (LOWW (Vienna Intl. Airport), LOWL, LOWS, LOWI, LOWK, LOWG)
- 2024 new record in ACC Vienna: 3.969 movements in one day (only 195min delay)



Free Route Airspace (FRA) in Austria

The history 2009 - 2024

2009: Fileable night routes (DCTs) available across Austria and neighbouring countries



The history 2009 - 2024

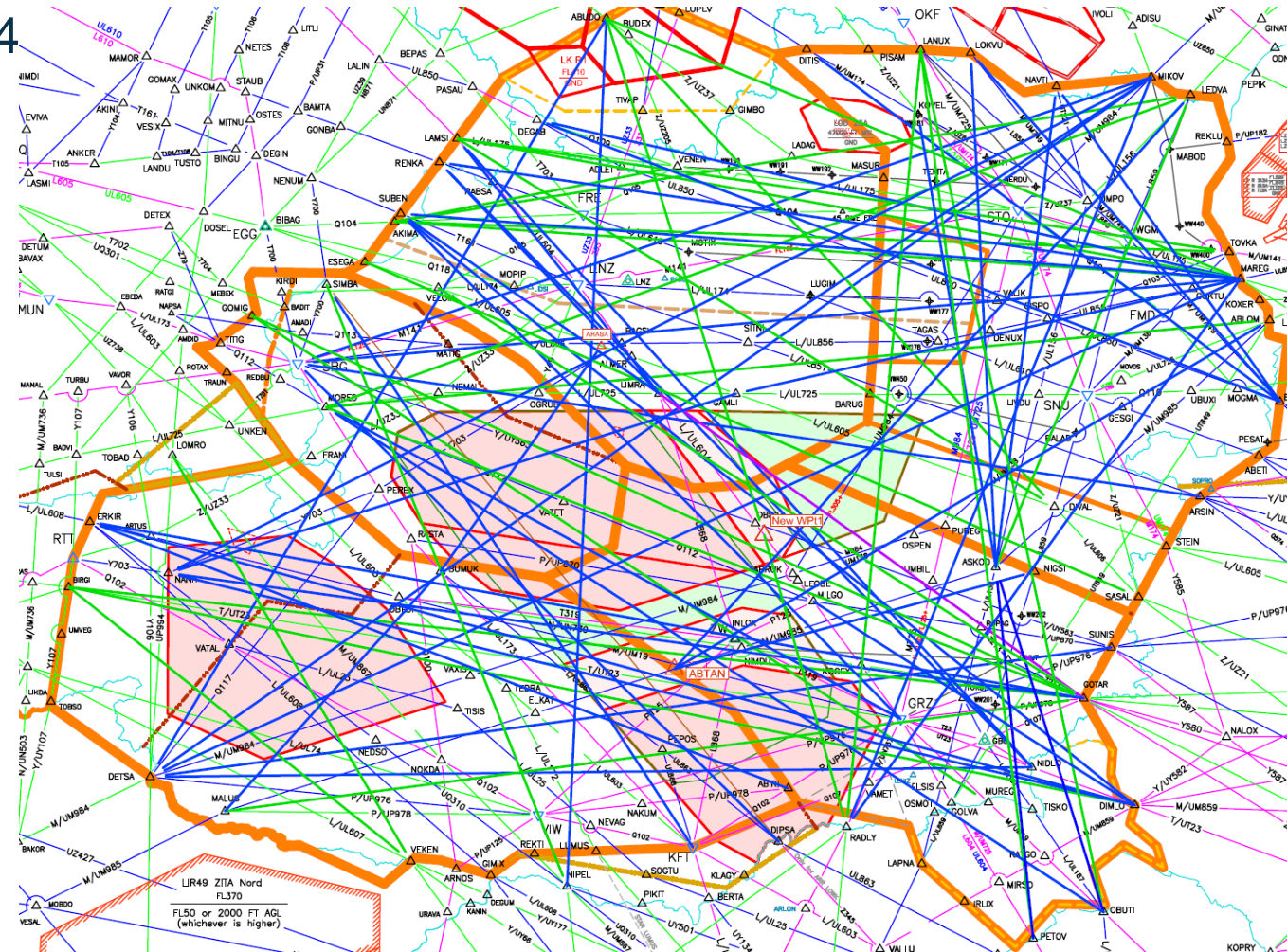
2009-2013: H24
ATCOs shall send
aircraft direct to exit
point in steps –
groundwork for 2013
with new ATM system



Free Route Airspace (FRA) in Austria

The history 2009 - 2024

2015: a set of DCTS
H24 available (fileable)

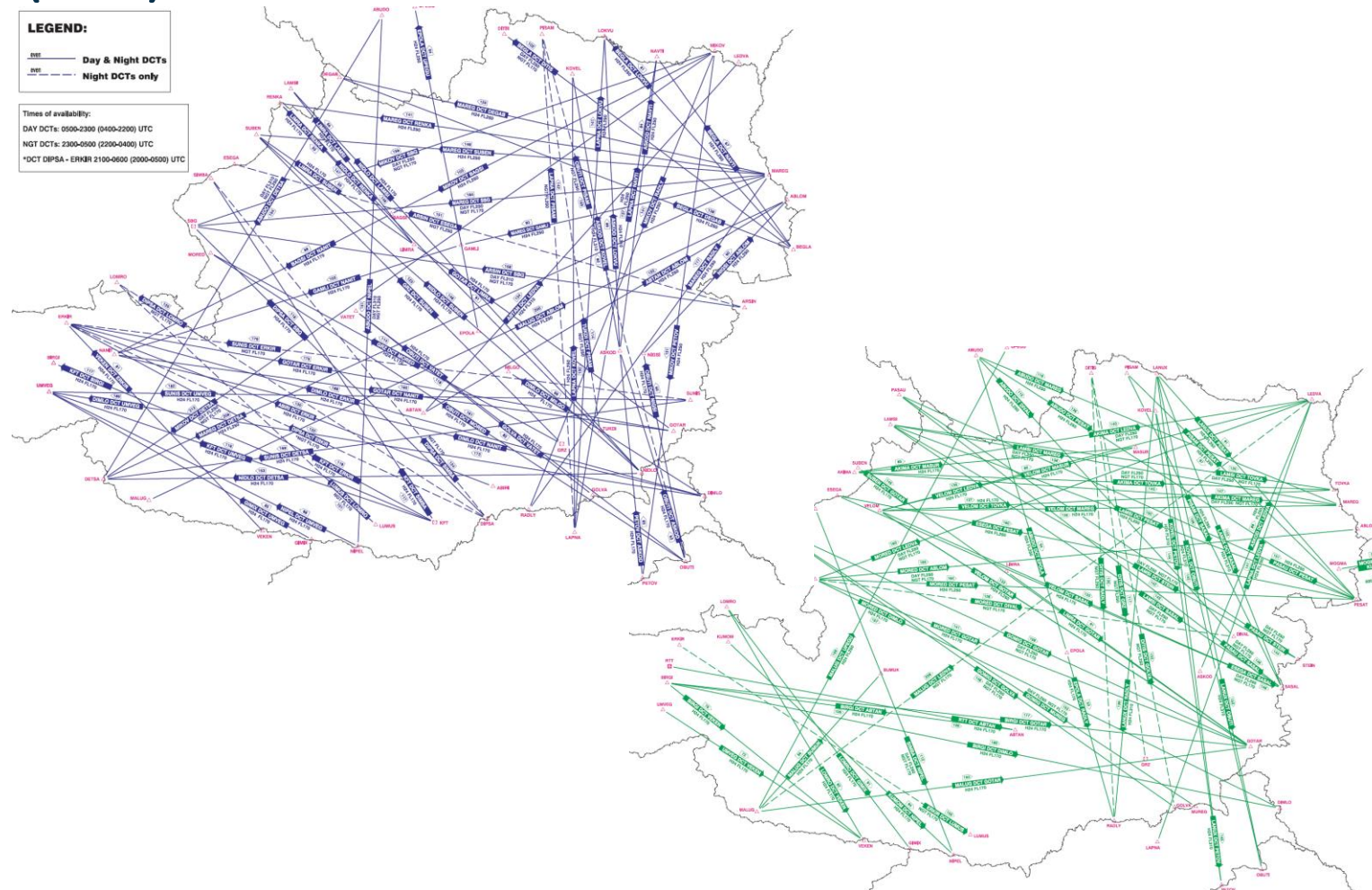


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Free Route Airspace (FRA) in Austria

The history 2009 - 2024

April 2016: FRAW
(Free Route Airspace
Wien) was established

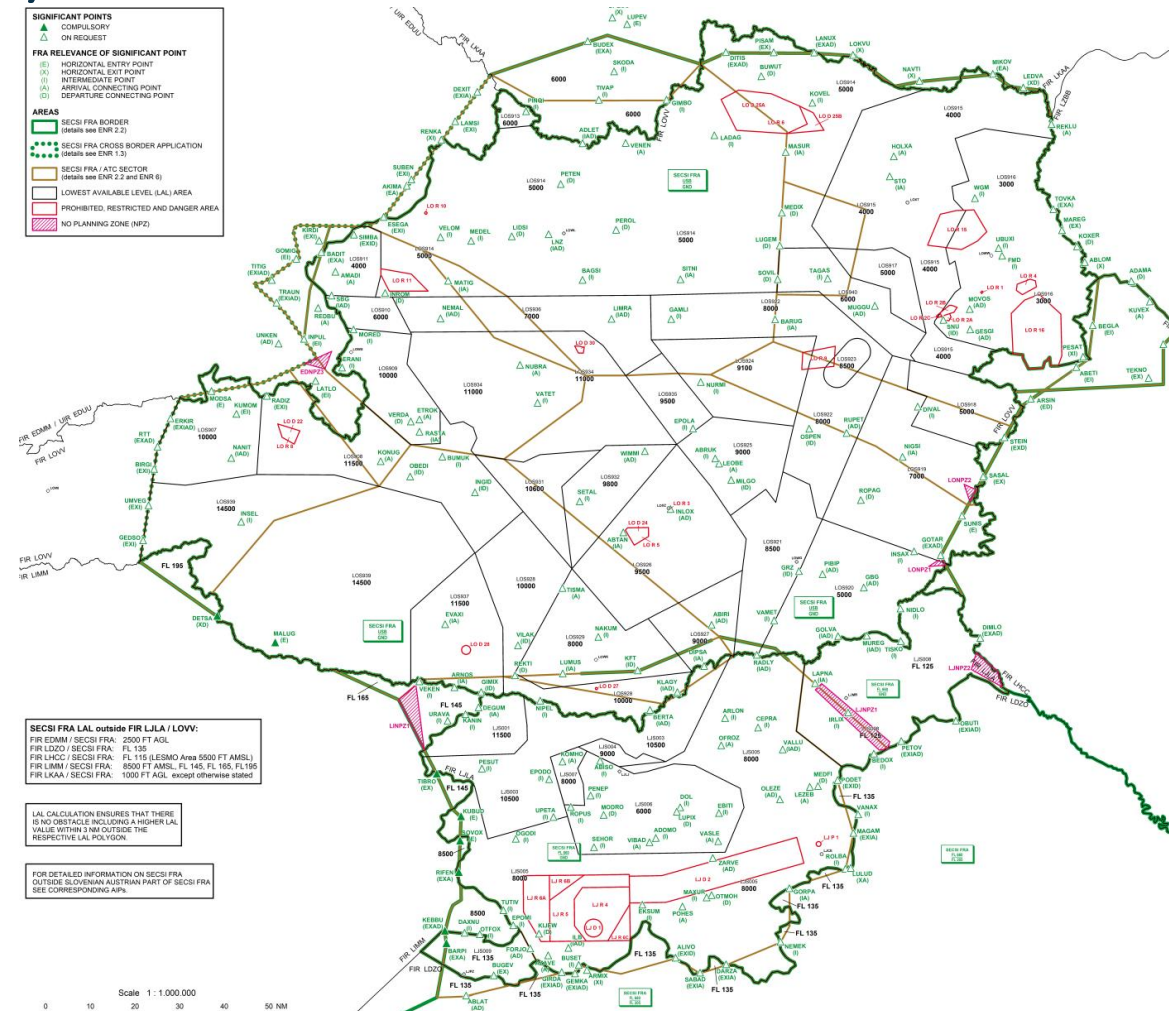


Free Route Airspace (FRA) in Austria

The history 2009 - 2024

November 2016: SAXFRA (Slovenian Austrian Cross Border Free Route Airspace) was established

- preferred trajectories in the applicable area (E/X/I/A/D)
- Segments between the significant points shall be defined by means of DCT (direct).
- Within SAXFRA there is no limit on the maximum DCT distance.
- Flights shall not be planned closer than 3 NM to the published SAXFRA border
- IFR FPLs from LAL (lowest available level)



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Free Route Airspace (FRA) in Austria

The history 2009 - 2024

2018: SAXFRA (AUT/SLO) was merged with SEAFRA (Croatia, Bosnia and Herzegovina, Serbia and Montenegro) – the new SECSI FRA was established



Free Route Airspace (FRA) in Austria

The history 2009 - 2024

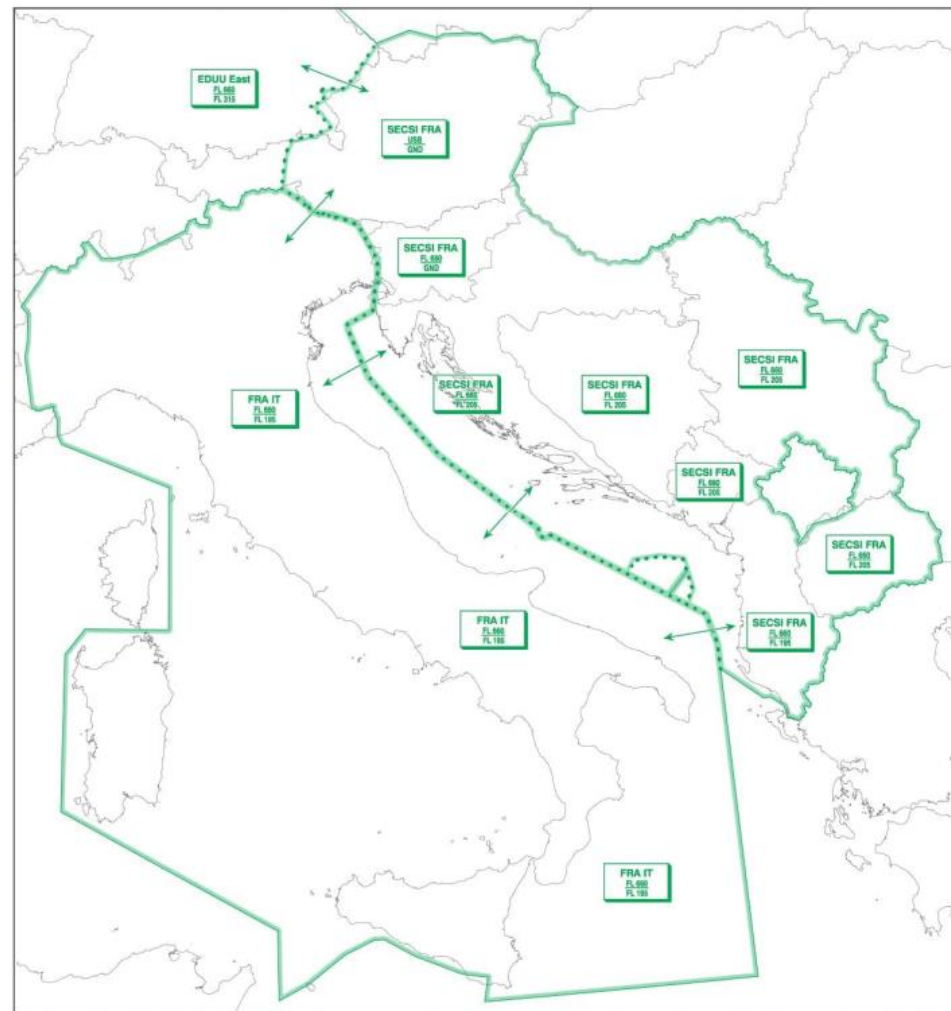
2021: Albania and
Republic of North
Macedonia joined SECSI
FRA



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The history 2009 - 2024

2024: SECSI FRA x-border OPS with FRA IT

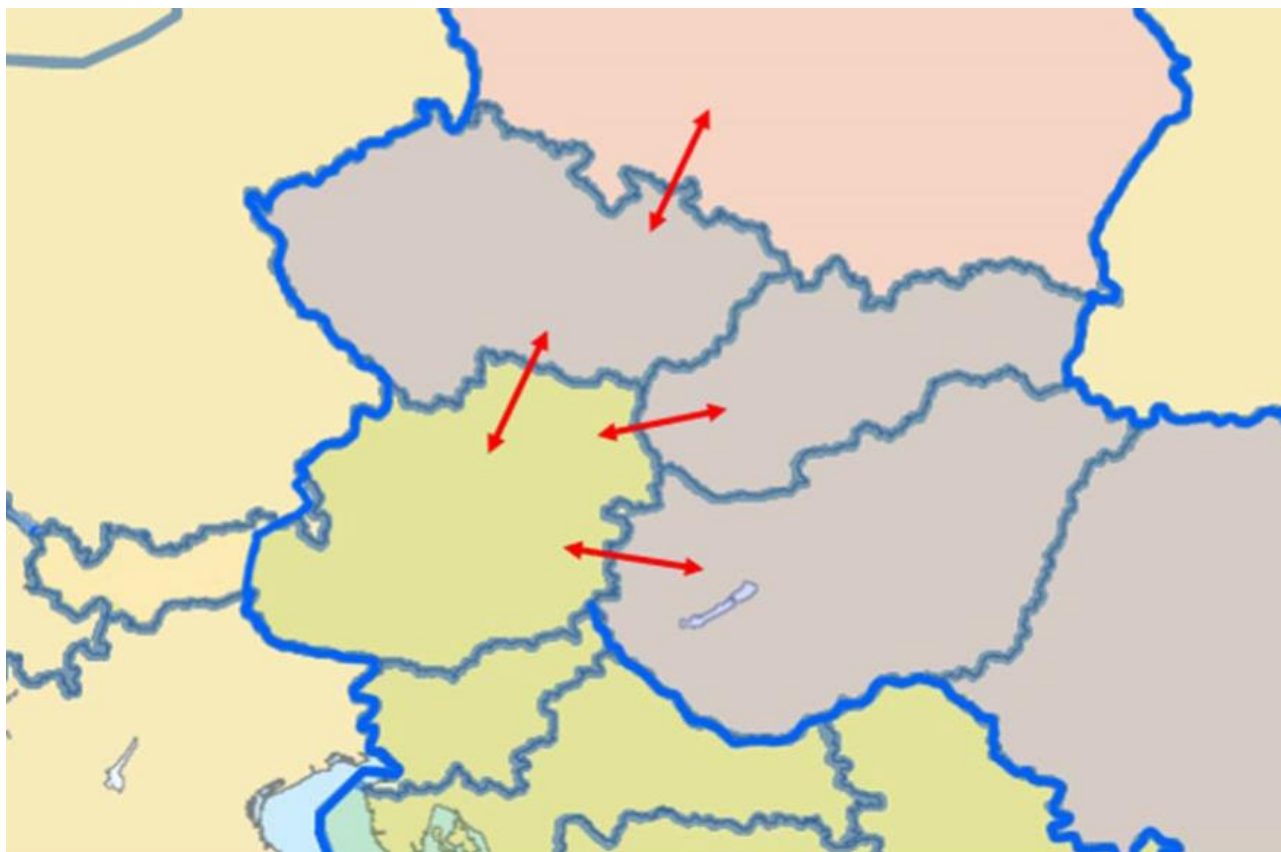


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Free Route Airspace (FRA) in Austria

The history 2009 - 2024

2024: Vienna CTA (as part of SECSI FRA) x-border OPS with Czech Republic, Slovakia and Hungary



Free Route Airspace (FRA) in Austria

The way to FRA

ATCOs

ATM system (strip vs. strip less system,...)

Airspace design (sector borders, waypoints, SIDs/STARs,...)

CONOPS between partners (FPL filing, direct sending,..)

AIM harmonization between partners (AIP publication,...)

Common safety assessment for further steps

Flexible Use of Airspace (FUA) concept



Thank You