



Free Route Airspace Workshop

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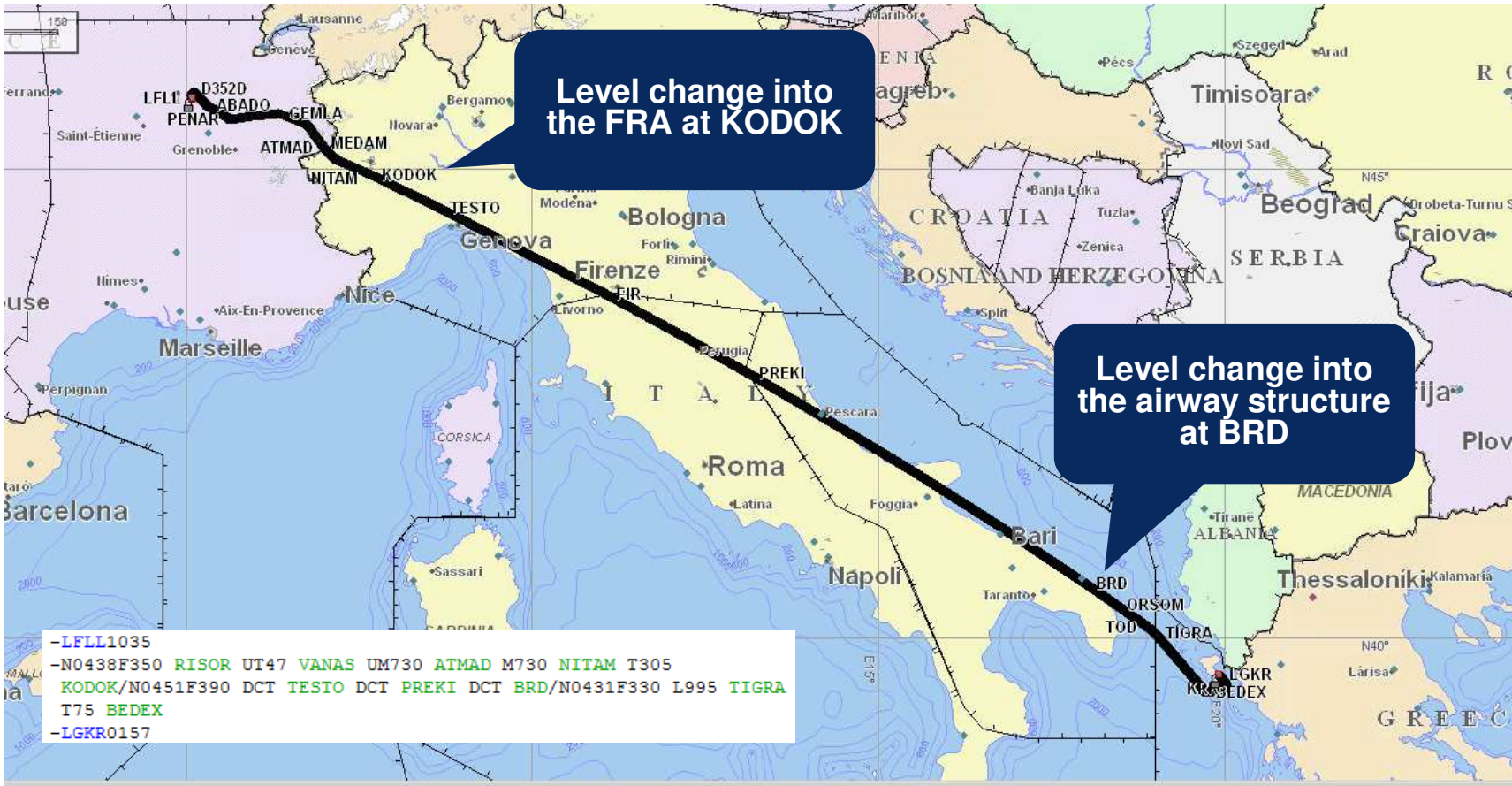
TUI Group Operation Centre, Hanover



Challenges? Let's take a look at one example: Optimized JetPlanner route from LYS to CFU



The stored company route is 600 USD cheaper and 16 minutes shorter ...but must be changed for today's AIRAC cycle



Harmonisation and communication are crucial to benefit from the advantages of FRA

Harmonisation

- Better coordination between neighbouring countries and with ATC, Eurocontrol, etc.
- Transparency through common procedures and timelines
- Different implementation models: geographical, time-based, Flight Level-based

Communication

- Data quality important
- Lead time plays crucial role
- Focused information for CFSPs and AOs should be provided
- Provision of helpful tools appreciated



Challenges for future FRA implementation

Data quality

- Data quality and lead time are crucial for both CFSPs and AOs
- In contrast to LIDO allowing manipulation of NavData, some errors stay in Jeppesen until next AIRAC cycle

Performance

- Route optimisation more complex due to unlimited routing possibilities
- FRA requires better performance and improved algorithms of flight planning tools
- Keeping the route database up to date is difficult

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- Cross-AIRAC calculation and validation difficult, but necessary for route database updates
- A longer pre-validation period prior to AIRAC cycles would be helpful for CFSPs and AOs



Thank you very much

For further questions:

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