

The Free Route Airspace Implementation Workshop / 2

Bangkok, Thailand

13th Nov 2024

This event is jointly organised with



FRA - Bringing the World Together



ICAO



Oceanic vs High density airspace FRA implementation

Nicolas Hinchliffe

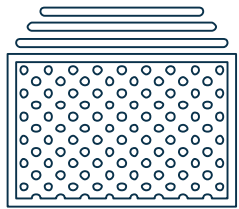
FRA DSNA program director

FRA - Bringing the World Together

FRA

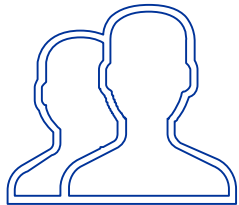
Perspective: oceanic or high density





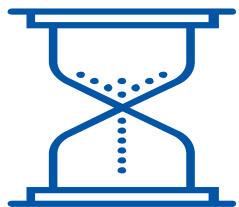
Defining a FRA objectives

Relating FRA deployment to the airspace CONOPS to identify potential trade offs



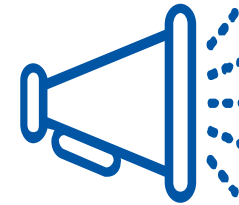
Involving the right people

Regardless of the context, determining who should be involved



Understanding time

Understanding that FRA involves long term planning



Publishing the FRA to the world

Website our loudspeaker ?



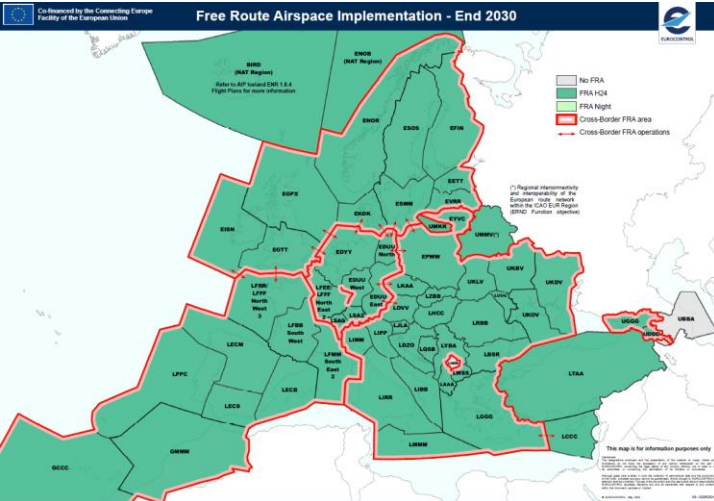
Choosing the right place

Defining clearly where FRA begins and stops



Final thoughts

What went well and what...did not.

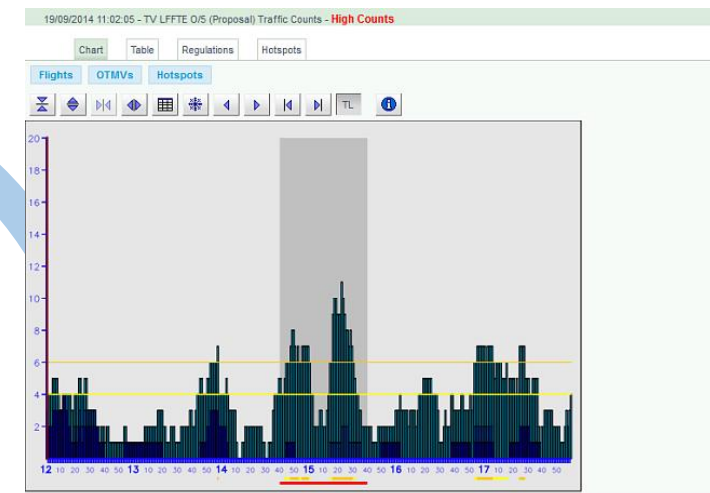
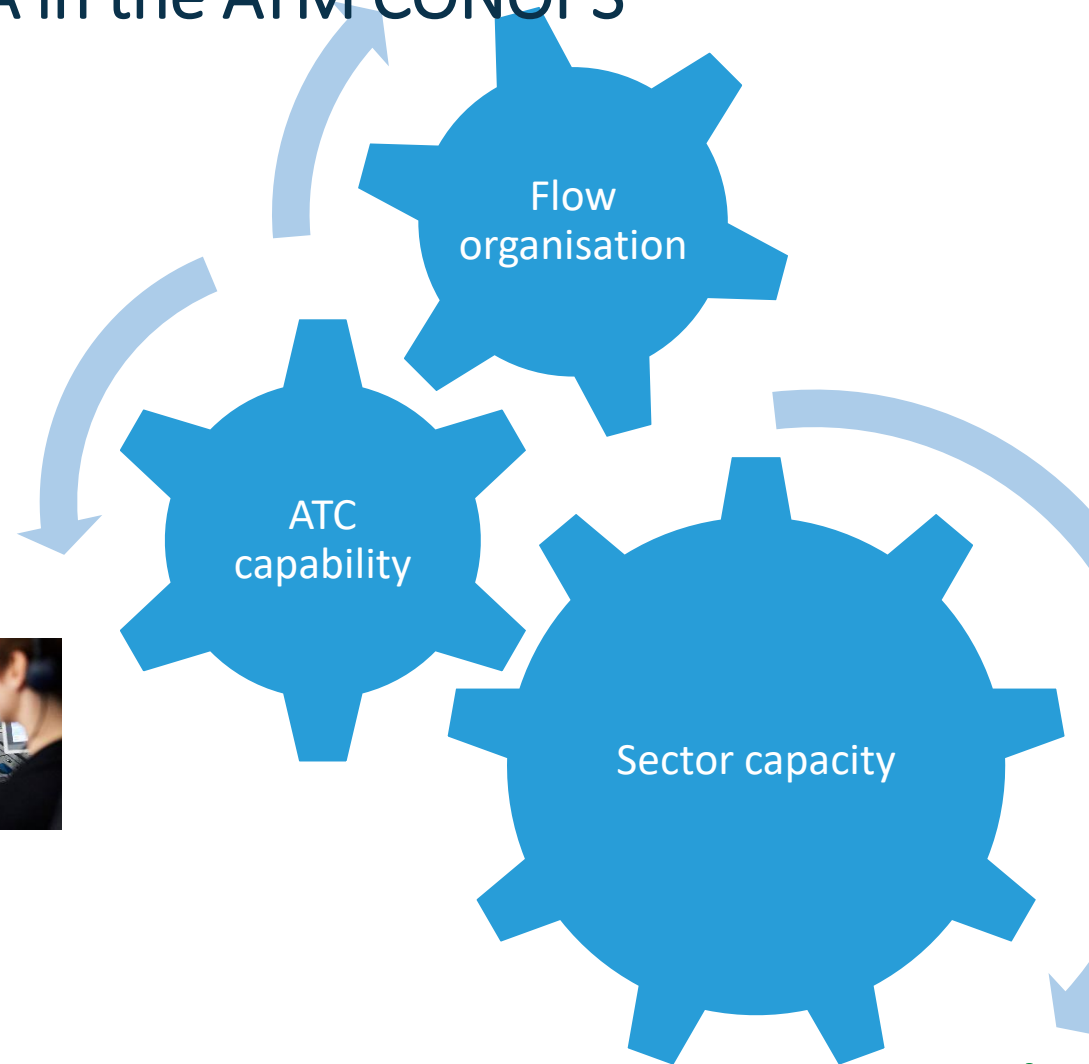


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Integrating FRA in the ATM CONOPS



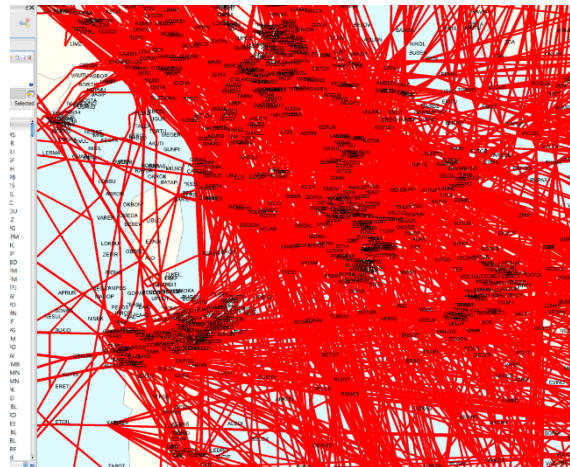
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Defining a FRA Conops

Striking the right balance between capacity and flight efficiency



Flows of free routes



Free route



Free flight

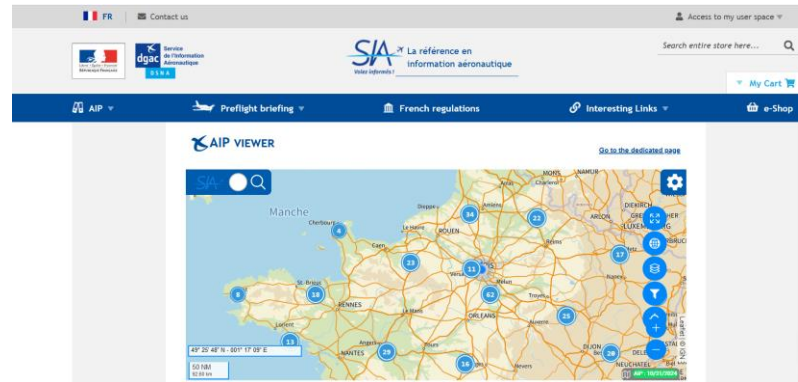
A large group





Publishing the FRA

Standardization and AIP are our best friend



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A planned implementation

Initial discussions / trials

Drafting a conops



Assembling your expert
Inject in CDM process



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Trial and testing



Implementation



Feedback and improvement



Final thoughts

What went well...and what did not.



Planning and coordination



Insufficient / inadequate integration
in the ATM CONOPS





Thank You