



4-FLIGHT, A KEY ENABLER TO DELIVER
CP1 BENEFITS
In operational use in Reims and Marseille ACCs

Speaker : Patrick Souchu - DSNA

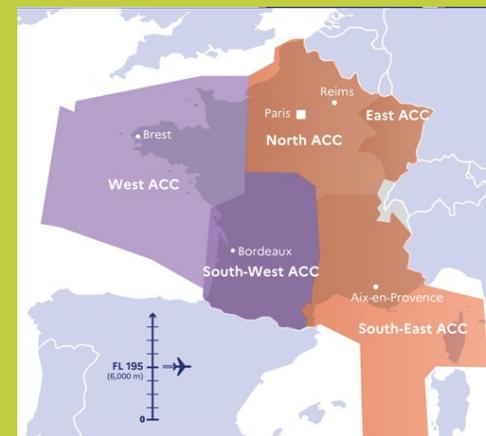
SESAR 2020 SHOWCASE



4-FLIGHT General Overview



Demonstration available
at DSNA stand #F25

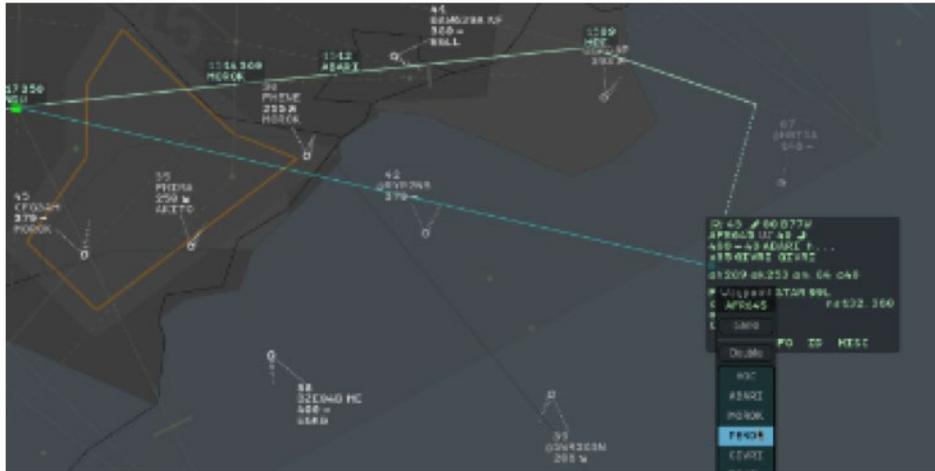


Design to meet the new expectations of customers and airspace users, and to new ATM standards of Single European Sky





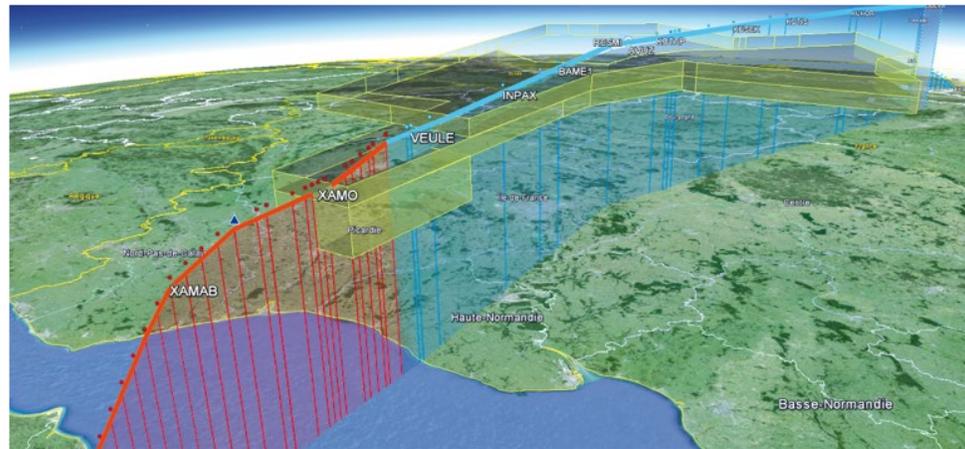
4-FLIGHT development supported by SDM and CINEA



4-FLIGHT

The Innovative ATM Solution

- Reims ACC and Marseille ACC, the two pilot-control centres, have moved into full operation in 2022 supported by CEF 2014 Implementation project IP #053 AF3
- The commissioning of 4-FLIGHT in Paris ACC is scheduled on January 9th, 2024 supported by CEF 2015 Implementation project IP #062 AF3



- 4-FLIGHT is embedding Coflight also supported by CEF Funding in cooperation with ENAV, the Italian ANSP :
 - ▶ Version V3R1 supported by CEF 2014 Implementation project IP #067 AF5
 - ▶ Version V3R3 supported by CEF 2017 Implementation Project IP #043 AF3



CP1 Benefits

- ⊙ **A system designed to be interoperable** with other European air navigation systems
- ⊙ **CP1 AF3 (Cross-border Free Routing Airspace):** 4D trajectories flight data management in 4-FLIGHT/Coflight
- ⊙ **CP1 AF5 SWIM evolutions**
- ⊙ **CP1 AF6 (Initial trajectory Information sharing, ADS-C EPP):** functionalities hosted by 4-FLIGHT

Fully compliant to
SESAR Standards!

Estimated benefits

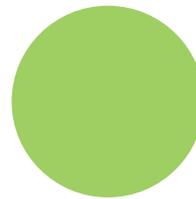
IDENTIFIED BENEFITS CUMULATED UNTIL 2030

- Expected **increase of 20% in overall capacity** to offer higher quality and more competitive services to all aircraft operators
 - ▶ Reims ACC : + 10% capacity in winter 2022/2023 on some sectors
- **Free Route** and more widely the **'User Preferred Route'** implemented in a complex, high density airspace
- Guaranteeing **interoperability (IOP)** between civil and military ATM systems



KPI

En Route
ATFM delay
reduction



UNITS

41.7M
minutes

Savings of
€1.58B

Source : Network Manager (EUROCONTROL)

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