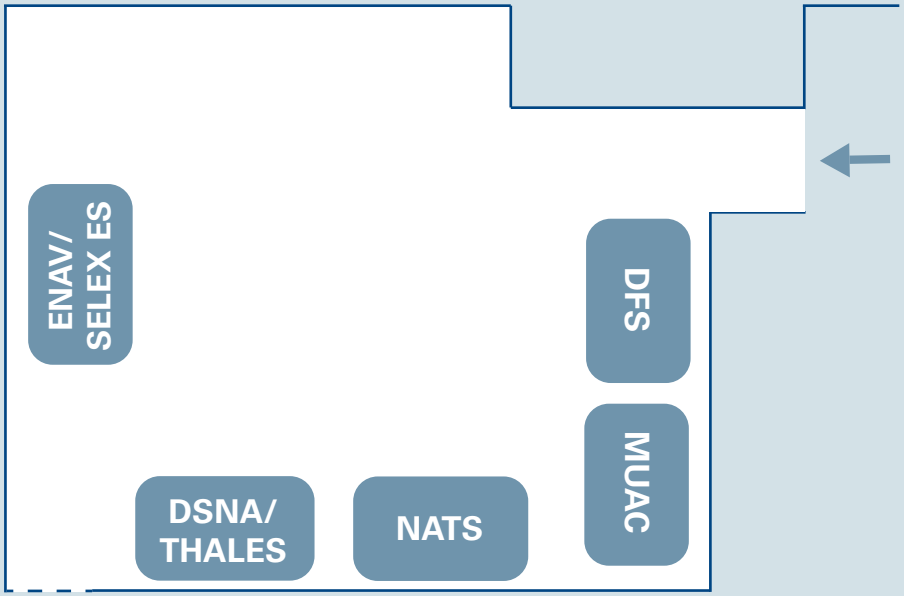
UNPACKING SESAR SOLUTIONS

Extended AMAN

16-17 September 2015

Tour of Demonstration Platforms



ENAV

Selex ES
A Finmeccanica Company

Run by ENAV and Selex ES, this platform will show the application of E-AMAN at approximately 250 NM from arrival of Rome Fiumicino airport. The on-site installation will focus on the work of controllers in the approach and en-route sectors and will explain how this collaborative approach allows the sequencing of flights further in advance. The demo will also showcase tangible environmental and operational benefits.
Presenters: Francesco Barbaria, Selex ES; Maurizio Romano, ENAV

DFS Deutsche Flugsicherung

This platform will showcase the coordination of traffic flows into multiple airports in close vicinity to enable smooth delivery to the approach sectors without overloading the close-by en-route sectors. The SESAR prototype was validated by example of German airspace in the Düsseldorf and Cologne area. Additionally, the prototype calculates a combined sequence for the area where several arrival streams intersect. By imposing an adequate spacing of the aircraft in that area additional time-to-lose to be absorbed in the far away upstream en-route sectors is calculated.
Presenters: Jörg Bergner & Thomas Pütz, DFS

EUROCONTROL

The Eurocontrol MUAC will showcase a live connection to show how XMAN operates at MUAC with the Flow Management Position/Central Supervisory Suite (FMP/CSS) Human-Machine Interface and supporting tools. Two videos will also show the controller HMI and the FMP/CSS sector/workload management tool.
Presenter: Theo Hendriks, MUAC, Eurocontrol

NATS

This platform will provide an overview of the first operational implementation of a cross-border arrival management system, which is already delivering significant benefits to airspace users flying into Heathrow Airport. Show how XMAN is being delivered, manipulating the AMAN GSA to perform sequence changes, runway changes, etc. and observing the change in delay on the IAA Shannon & NATS Prestwick HMI, as well as showing how it appears on a London Terminal Control supervisor position. Demonstrate the web service underpinning XMAN, showing how we are using SWIM techniques to provide the arrival sequence service to our partner ANSPs.
Presenters: Ben Sanderson & Katie Duffy, NATS

dgac DSNA

THALES

This platform will present the Thales "XMAN@ReimsUAC" prototype and the DSNA "Sherpa" Human-Machin Interface. Thanks to recorded data synchronised with NATS, participants will be able to see first-hand inputs by air traffic controllers into the system at NATS Swanwick or DSNA Reims Upper Area Control Centre.
Presenters: Mustapha El Mizeb & Lionel Bernard-Peyre, Thales; André Rossignol & Gerald Regniaud, DSNA