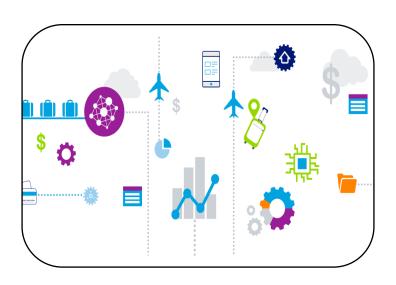


Agenda



TAP Air Portugal



Impact and Benefits



Overview of Actions







About TAP Group:

- Portuguese flag carrier
- Founded in 1945
- Member of Star Alliance
- Integrated MRO





TAP Air Portugal

Some Projects with the European Commission...

AIRMES (Airline Maintenance Operations implementation of an

E2E Maintenance Service Architecture and its enablers)

- Clean Sky 2 Horizon 2020
- Optimisation of end-to-end maintenance activities
- Overall Budget: ~5,2M€

RISE (RNP Implementation Synchronized in Europe)

- SESAR Large Scale Demonstration Activities
- Flight Trials for RNP-AR approaches demonstration
- Overall Budget: ~3,32M€





TAP Air Portugal

Connecting Europe Facility

Coordinated by the SESAR Deployment Manager:

- CEF2016: Coordinator SESAR Deployment Manager (2017-2020)
 - Deployment of ROPS (AF#2 Airport Safety Nets)
 - Deployment of ATN B1 Capability (AF#6 Datalink)
 - Path II (AF#6 Datalink Services)

Additional Actions ("other projects"):

- CEF2015: Coordinator EUROCONTROL (2016-2020)
 - Project SPICE (PBN/RNP-AR)
- CEF2017: Coordinator TAP Air Portugal (2018-2023)
 - Deployment of SESAR Solutions in TAP Fleet







SESAR Deployment in TAP Air Portugal

SESAR airborne systems in TAP fleet

- Airport Safety Nets
- Datalink
- Performance-Based Navigation
- ...

Expected Benefits

- Increased Safety levels (operations and personnel)
- Reduction of weather-related flight disruptions
- Fuel savings and reduced CO2 emissions
- ...

SESAR Deployment in TAP Air Portugal

Importance of SDM and EU contribution

SDM's link to the industry is key to the successful deployment of SESAR:

- Promoting SESAR for European airspace improvement
- Setting a collaborative environment between different EU Member States and Stakeholders
- Supporting Airspace Users and airborne segment
- Boosting TAP modernization



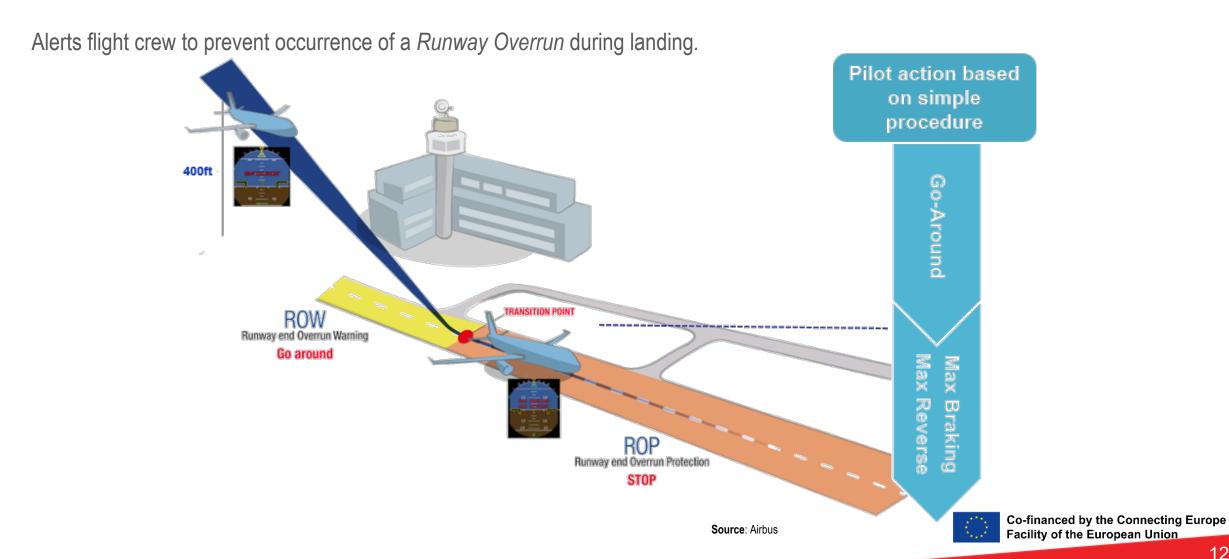


Implentation as Airspace User

Typically, implementation Actions consist of:

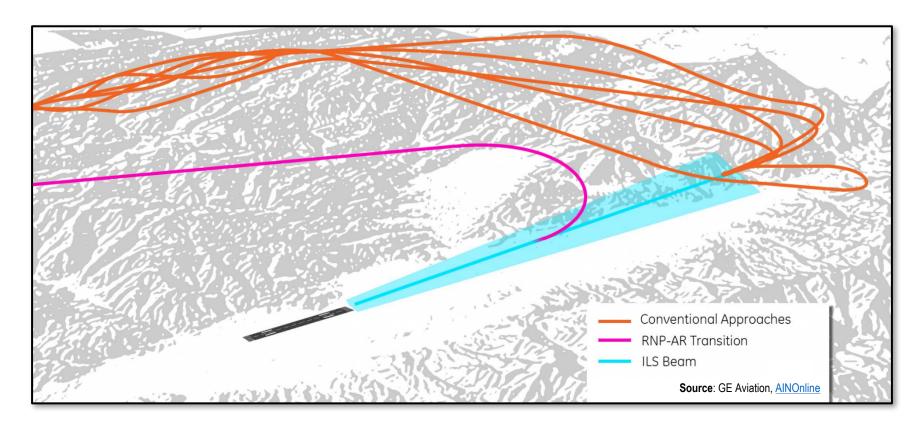
- Deployment of new functions/capabilities at aircraft level
 - Retrofit (for in-service aircraft)
 - Forward Fit (for new aircraft deliveries)
- 2. Flight Crew Training
 - Class-Based Training
 - Computer-Based Training
 - Flight Simulator Hours
- 3. Operational Approval from Aviation Authority

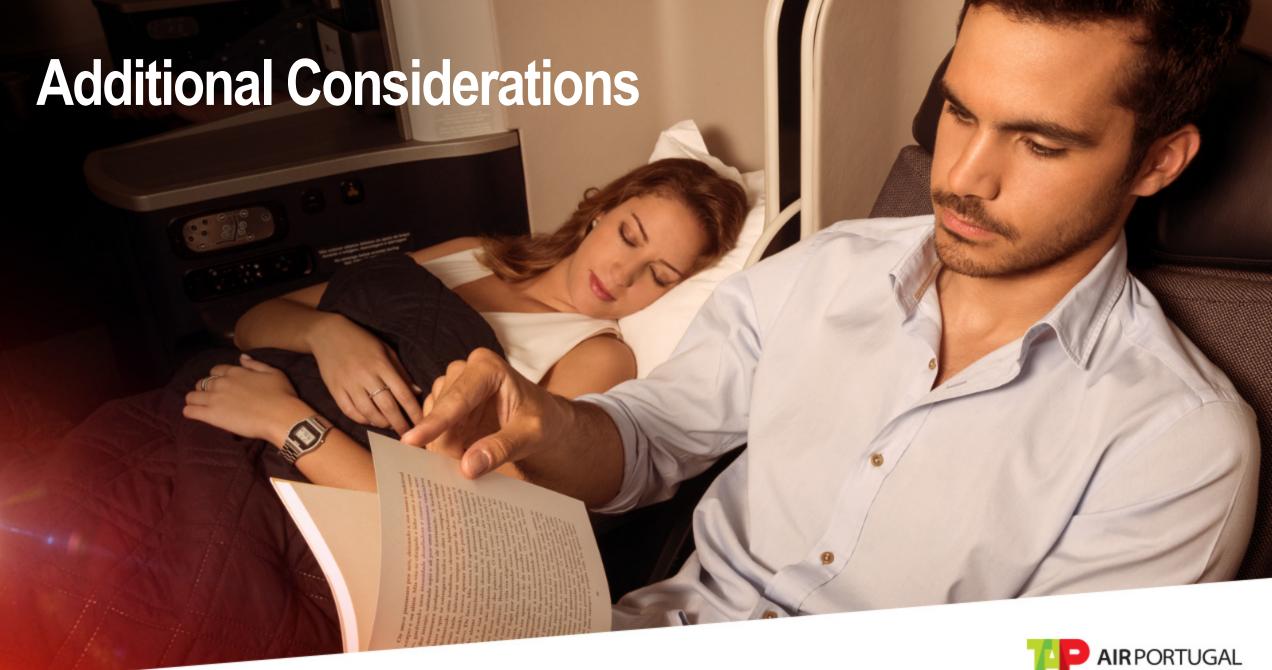
Systems Description ROPS (Runway Overrun Prevention System)



Systems Description RNP-AR (Required Navigation Performance – Authorisation Required)

Enables optimal approaches in airports with RNP-AR procedures designed and approved (e.g.: LPMA, LPPD, ...).





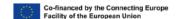


Measures to Publicize the Action

Some examples...



M1



Title: First Aircraft delivered with capability

Due date of deliverable: 19/jun/2018

Actual date of accomplishment: 19/jun/2018

Grant Agreement Number: INEA/CEF/TRAN/M2017/

Action Number: 2017-PT-TM-0091-W

Action Title (acronym): Deployment of SESAR Solution

Funding Scheme: Connecting Europe Facility - Transpo

Summary of deliverable:

The present report consists of two documents that displ the aircraft delivered to join TAP fleet.

Please refer to the documents provided hereinafter.



futuras nos aeroportos dos seus diversos destinos.

asseguram um financiamento de cerca de 14,5 Milhões de euros à TAP.

Este é já o quinto projeto vencedor da TAP no âmbito do SESAR nestes programas. Os cinco projetos, somados,

SESAR Deployment in TAP Air Portugal Conclusions

SDM and the EC acting as pillars accelerating the deployment of SESAR

There is still a long way to go:

- There is still a gap to close in the PCP
- CP1 is being developed, and more priorities will emerge

