



2018
World ATM Congress



Advantages and applications of New Pan European Network Services

Mihai SPIRIDONESCU
ROMATSA

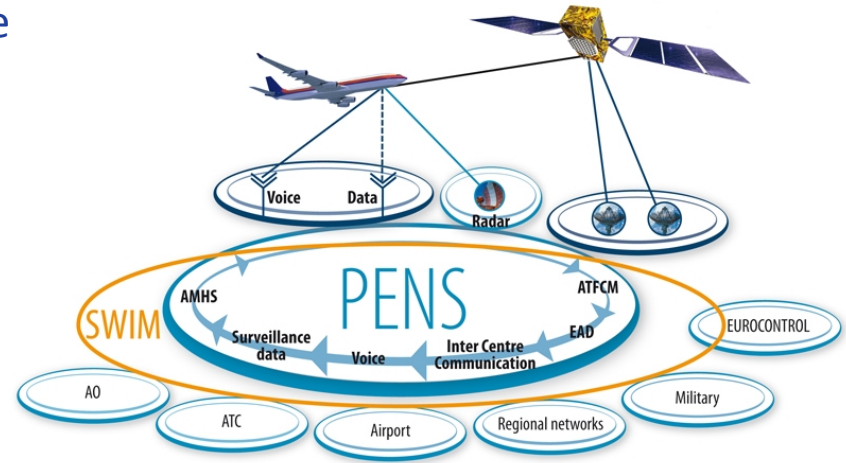


2018 World ATM Congress



WHAT is (New)PENS?

- PENS is an international ground/ground communications infrastructure jointly implemented by EUROCONTROL and the European ANSPs in order to meet existing air traffic communication requirements.
- NewPENS project emerged from the requirements induced by new concepts like SESAR and SWIM, the increasing focus on cost effectiveness and the obsolescence of key legacy technologies.



Main Objectives of NewPENS



Main Objectives of NewPENS (cont'd)



- Offer a single ATM-grade IP network for all ATM stakeholders **replacing all cross-border connections**
- SWIM backbone ensure full compliance with SESAR concepts
- wide range of service levels and access technologies to offer a safe, secure and cost effective solution for the deployment of ICAO standardized ATM IP based applications
- Support both voice and data based applications

WHO will be the stakeholders?

- Civil ANSPs

- AMHS
- FMTP
- Surveillance data
- VoIP for G-G adjacent ACC coordination
- other ATM related systems requiring data exchange



- Military ANSPs

- Surveillance data
- Meteorological data
- Flow and capacity data



WHO will be the stakeholders? (cont'd)

- **Airspace Users – Aircraft Operators**
 - Type B/Type X messages
 - Short Term ATM Measures (STAM)
 - Support for Collaboration Decision Making
 - (CDM) operations with ANSPs
- **Airport Operators**
 - Flight data information
 - CDM with ANSP
- **Meteorological ISP**
 - Provisioning of met data flows



Special Focus

- Availability
- Performance
- Security
- Cost Efficiency

Thank you very much for your attention!



Co-financed by the European Union
Connecting Europe Facility



2018 World ATM Congress

