Co-Chairs introduction

ICNS Day 1 Plenary

Steve Bradford & Michael Standar
NextGen / SESAR Collaboration Areas

Joint U.S./FAA – EU/EC JC/HLC

Transversal Activities
Information Exchange & Management
Trajectory Management
CNS & Avionics
Collaborative Projects

Memorandum of Cooperation (MoC) between U.S. - EU for mutual cooperation in civil aviation R&D (NAT-I-9406) March 2011
Globally Interoperable and Harmonized

Ensure that the same flight/aircraft can operate in all systems;

Ensure common standards available and applicable when needed;

Minimize costs by sharing results and efforts.
State of Harmonization

• High-level summary

• Current and planned collaboration efforts

• Global focus supporting the ICAO GANP/ASBU´s

• Both NextGen and SESAR recognize:
  • the need to integrate the air and ground parts of ATM
  • efficiency needs of flight trajectories planning and execution
  • seamless and timely sharing of accurate information.

• Aims to ensure a high-performing aviation system over time and global cooperation leading to seamless operations and safe and efficient practices for the airspace users and the travelling public.

• Next edition planned for 2018
State of Harmonization

- Full lifecycle of ATM modernisation - exploratory R&D and Implementation now embedded
- An ATM Architecture mirroring the ICAO Op. Concept
- Short / medium / long term strategy convergence
  - A/G Data Comm, SWIM, NAV, TBO, SUR
- Standardisation roadmap supporting the GANP/ASBU’s
- Cyber security – operational resilience requirements and technical security control
- Integration of UAS/RPAS/Drones
  - Engaging technology & policy/rulemaking experts together providing a clear vision and roadmap for the safe integration of drones - in particular for VLL/UTM/’U-Space’).
Thank you!