

Implementation of a « Seamless sky »

Presented by ASECNA

1/10



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The Continent





Environment compliance









One Solution : seamless sky

An answer to all these issues The implementation of a seamless sky

The Single Sky or seamless sky concept refers to a "seamless space" that increases airspace capacity, improves service performance and operational efficiency in a context of continuous traffic growth:

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Respect for the Environment Greenhouse gas emission

Air Safety

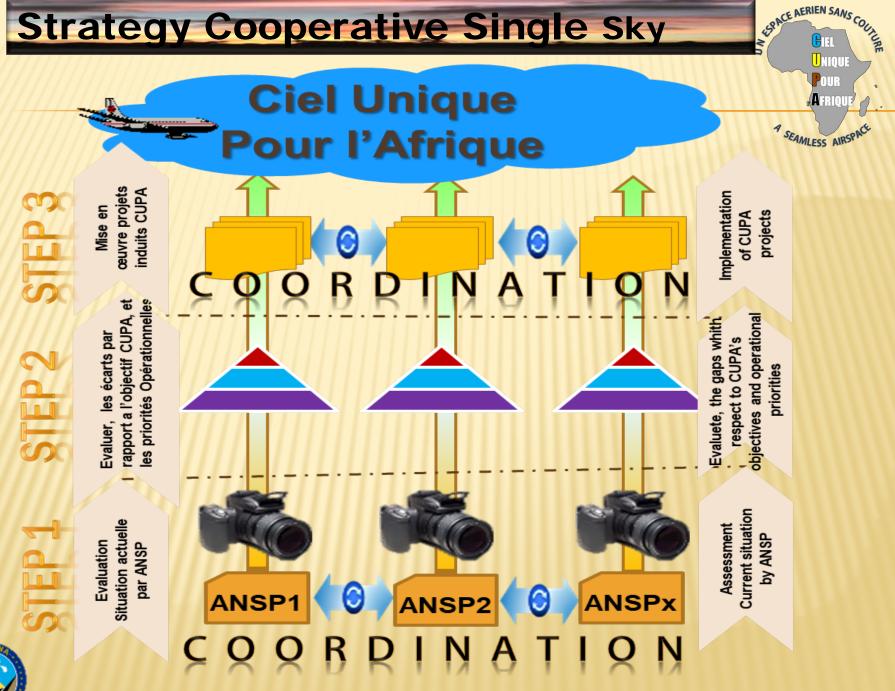
Capacity, Efficiency, Performance Reducing Costs

Single Sky : cooperative mode



This concept of a cooperative Single Sky consist of implementing a homogeneous airspace continuum, while maintaining the existing structuring of airspace (FIR/UIR) and the current organization mechanism of the air control centers. This mode is mainly oriented on a coordination and a cooperation of all the stakeholders (Regulator/ANSP/Airline companies) with a harmonization of all the technical and operational means, the integration and the mutualization of the new systems as well as the implementation of the operational evolutions induced by the new technologies.





CNS & ATM requirement...

Communication

Efficient communication network
 Data Link
 VHF coverage
 AIDC
 AMHS

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Navigation

ABAS, SBAS, GBAS
GNSS
Conventional means
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Surveillance

Terrestrial and satellite ADS-B
 ADS-C,
 Radar,
 WAM

ATM

□ Airspace harmonization

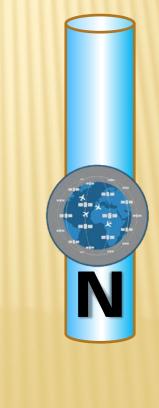
Routes harmonization

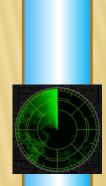
Performance harmonization

Free route

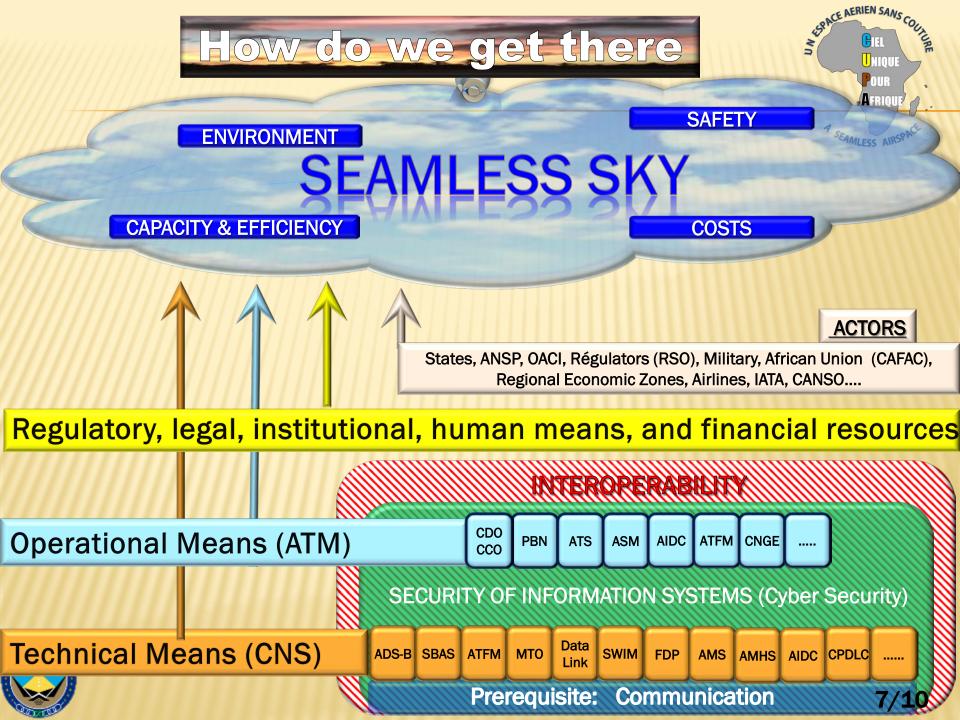
□ SWIM □













The meeting is invited to:

1. To take note of information and proposals provided in this working paper

2. Encourage the establishment of an ANSP Task Force to harmonize strategies and propose a roadmap for the implementation of seamless airspace in the AFI region.



SEAMLESS AIRS

