Cir 330 upgrade

Framework of the task

- Circular → Manual
 - Updated content
 - Allows for future updates
- ATMOPS Job-card
 - Enhance CDM Civ/Military
 - Mitigate lack of flexibility of segregated airspace
 - Include FUA but not limit Civ/Mil cooperation to FUA.

Objective

- Increase "implementability"
- Serves as basic building bloc for Civ/Mil cooperation
 - − → Support ASBU

Document outline

- Objectives and Safety
- Security
- Coordination
- Airspace management
- Interoperability

- Crisis and SAR
- Performance
- State aircraft operations
- High-seas operations

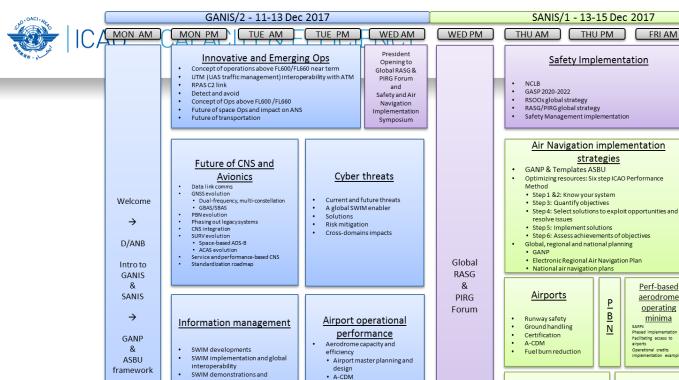
Work Status

- Extensive work since Nov-16
- Panel Sub-group finalizing the draft
- Draft ready for ATMOPS Panel early-July
- Unedited version ahead of GANIS/SANIS

GANIS/SANIS 2017

Sustainability and enhancement of safety and air navigation system performance

- Two back to back symposiums from 11 15 December 2017 in Montréal, Canada
 - 2nd Global Air Navigation Industry Symposium (GANIS) to discuss issues and chart next steps to achieve a seamless global aviation system
 - 1st Safety and Air Navigation Implementation Symposium (SANIS) to offer Air Navigation implementation
 Strategies, as well as a forum to discuss Safety and other Air Navigation topics
- Includes an Industry exhibition of current and emerging technologies
 - Showcase solutions which will provide a snapshot of the global air navigation industry
 - Provide insight on how all stakeholders can work together to address technical, operational, regulatory and economic challenges
- A crucial networking and knowledge-sharing opportunity
 - Presentations from ICAO, international and regional organizations, standards-making organizations and leading industry stakeholders
- Will lay the foundation for the 13th AN-Conference in 2018



applications

Civil-military cooperation

- · Airspace, a single continuum, are we there yet?

- RPAS integration
- Interoperability

Aerodrome obstacle management

- Missiontrajectories
- Cyber threats
- State aircraft operations
- SWIM

MET

 Evolution of MET services requirements

 Future aviation MET service delivery

- - · Step 4: Select solutions to exploit opportunities and

Perf-based aerodrome

FRI PM

Closing

session

minima

Phased implementation Facilitating access to Operational credits

Implementation evamples

Civil-military cooperation

- Increasing implementation of Civ/Mil cooperation
- Implementation success and return of experience Flexible use of airspace and
- airspace management tools Advanced cooperation and integration

From concept to operation and success stories

- Free route airspace & BOREALIS project Implementing
- beyond "borders" (Remote TWR) Pre-Flight
- coordination (Flight data exchange) Deployment strategy
- TBS (time-based separation) (on final)





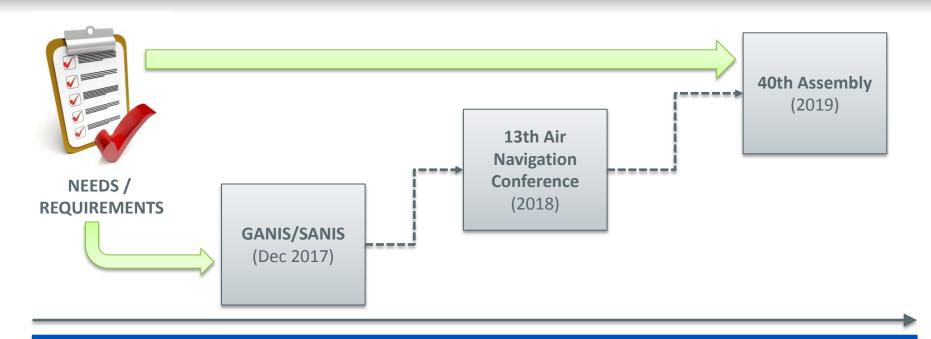








GANIS/SANIS 2017



GANIS/SANIS will facilitate the planning of technical work for AN-Conf/13, and also the budget discussions leading up to A40

Military dimension in GANIS/SANIS

- Key stakeholder
- Support Civil-military cooperation
- Discuss future challenges
- Increase implementation



Tentative Topics

GANIS

- Airspace, a single continuum, are we there yet?
- Mission trajectories
- Cyber threats
- State aircraft operations
- **RPAS** integration
- **SWIM**
- Interoperability

SANIS

- Increasing implementation of Civ/Mil cooperation
- Implementation success and return of experience
- Flexible use of airspace and airspace management tools
- Advanced cooperation and integration



ICAO CAPACITY & EFFICIENCY

