



Air Navigation Global Update

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Air Navigation Bureau, ICAO

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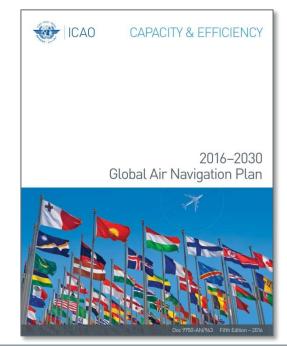
- Global Air Navigation Plan (GANP)
- PCI Plan for Improved Implementation
- Tools
- Global and Regional events





2016-2030 Global Air Navigation Plan (GANP)

- 5th Edition of the GANP (2016-2030)
 - Includes the 2016 edition of the Aviation System Block Upgrades (ASBU) document
 - Stability
- Included improvements:
 - Six-year cycle for the Blocks to align with Assembly cycles
 - Update of the ASBU framework and all technical roadmaps
 - Concept of performance-based approach as foundation for implementation strategies
 - Notion of minimum path
 - ATM logical architecture
 - Creation of GANP webpage







2019 Update of the GANP





EXPECTATIONS

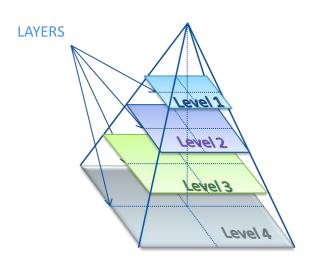
- Global Vision
- Useful for all stakeholders
- ICAO future provisions
- Solutions for local needs

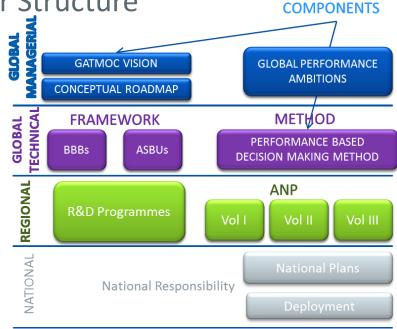




2019 Update of the GANP

Multilayer Structure









TIMEFRAME

SANIS & GANIS Dec 2017

- Global Managerial level
 - Announcement of Global Performance ambitions: September 2017
 - Final draft performance ambitions and the conceptual roadmap: June 2017
 - First draft performance ambitions and define a conceptual roadmap: March 2017

Air Navigation Conference 9-19 October 2018

- Global managerial level:
 - ANC Final Rev: March 2019
 - ANC Prelim Review: Sept 2018



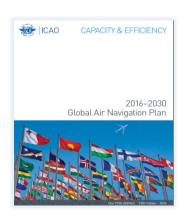


TIMEFRAME

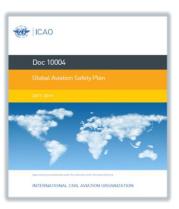
- Assembly September 2019
 - Global Managerial Level
 - Final Editing Publication: Jul 2019
 - Council Approval: May 2019
 - ANC Final Rev: March 2019
 - SL: Dec 2018
 - ANC Prelim Review: Sept 2018
 - Final Draft Coordination: April 2018 (GANP Document)

Global Plans Implementation

GANP and GASP Developed need to be implemented











PCI Plan for Improved Implementation

- Creating a work programme: 2017
- ANC,ANB,RO/PIRGs Collaboration
- Project oriented from start to finish



Implementation driven

HQ ANWP
Regional WPs

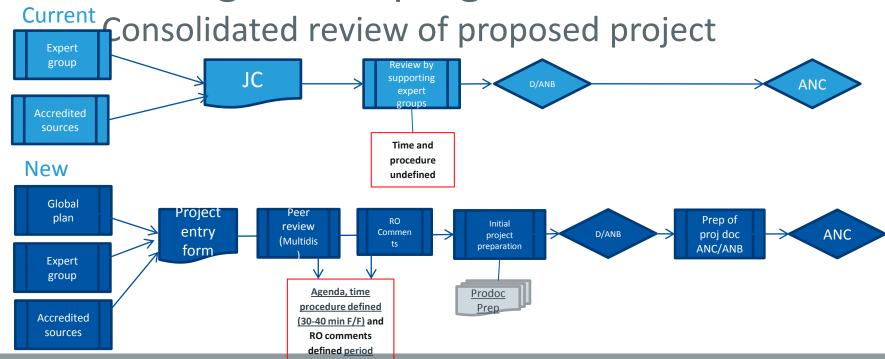


One ANWP





Creating a work programme: 2017





GLOBAL FORUM ON PIRGs/RASGs

- 13 December 2017, Montréal, Canada (to be held during the GANIS/SANIS Symposium)
 - Support implementation of meaningful operational improvements by exchanging information for the improvement of safety, capacity and efficiency through a Global PIRG/RASG Forum
 - Chairperson/Vice-chairperson participation





Project Management and Coordination tool

- Facilitates coordination by providing transparency on the status of each project throughout Organization
- Management tool for executive management on progress





Air Navigation Implementation Application

- The primary purpose of this dashboard is to inform all civil aviation stakeholders and ICAO regional bodies about the implementation progress and priorities;
- Data is collected from States;
- On the dashboard you can select a group of indicators from the dropdown lists and view the indicators below in various formats, including the generation of a PDF report.
- APAC pioneered and promoted the development of this application and which will be used by all other regions;
- https://portal.icao.int/space/Pages/ANPage.aspx





Introducing Safety Information Monitoring System

The ICAO Safety Information Monitoring System (SIMS) is an ICAO web-based information system comprised of different **applications**, which generate **indicators** in support of State Safety Programmes (SSP) and Safety Management Systems (SMS).

- Track key indicators for SSP;
- Analyze various air navigation efficiency indicators for airspace use;
- Prioritize areas with identified safety concerns;.

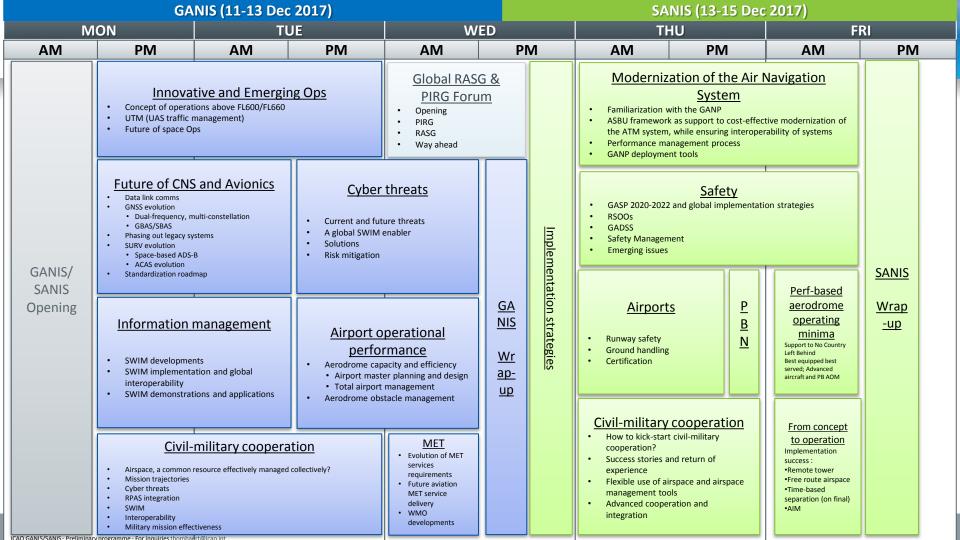






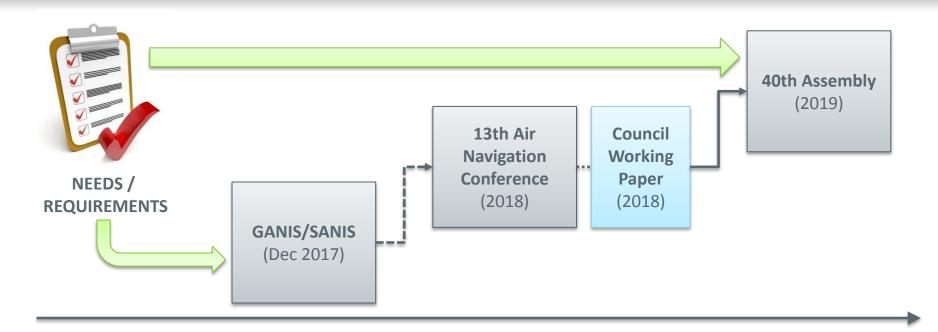
Upcoming Global and Regional Events







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





Safety Management Regional Symposia and Workshops



- EUR/NAT Hosted by EC & Estonian Presidency in Tallinn / 16-18 October 2017
- NACC and SAM Hosted by Peru in Lima / 12 16 March 2018
- APAC and MID Hosted by Singapore / 23 26 April 2018
- ESAF and WACAF 2018 (exact dates and location to be confirmed)

Note: 4 Workshops to be delivered with Symposia plus additional planned

























2nd Global Runway Safety Symposium

(20-22 Nov, Lima, Peru)

- Co-organised with the Runway Safety Programme Partners
- Hosted by the Direccion General de Aeronautica Civil de Peru
- Event in English/Spanish, with 300 participants expected
- Objectives:
 - provide a global forum to exchange information on best practices in improving runway safety through the use of effective and innovative strategies, tools, technology and practices
 - promote improved runway safety worldwide through **global collaboration** and sharing strategies and best practices:
 - promote the ICAO-led collaborative new Runway Safety Programme Action Plan for supporting and strengthening runway safety initiatives;
 - promote the participation of stakeholders in regional initiatives related to runway safety; and
 - increase the number and improve the effectiveness of airport Runway Safety Teams (RSTs) under a risk-based approach in relation to airport safety management systems (SMS).



8 October 2017 21



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Articulating a worldwide perspective to support regional implementation

- Drawing on worldwide expertise to advance regional implementation
- Organized in collaboration with CANSO, Eurocontrol, the FAA, and IATA with the support of Singapore CAAS.
- 1st ICAO Conference builds on series of ATFM global events previously organized every two years
- Focus on :
 - Long range solutions and measures; international cooperation
 - Collaborate to managing flows from the airport to cruising altitudes and beyond.
- Look ahead: and innovation
 - A look into the immediate future: advanced flow management:
 - Broadening the scope: innovative flow management.

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NEXT GENERATION OF AVIATION PROFESSIONALS

GLOBAL SUMMIT

ICAO HQ MONTRÉAL, 27-28 NOV 2017



• Provides a unique opportunity to promote **coordination and cooperation** amongst the aviation community, education and labour sectors for the development of strategies and tools to engage and retain the next generation of aviation professionals.

Event Objectives:

- Continue to raise awareness regarding the impending shortage of aviation professionals and encourage CAAs to communicate and cooperate with government education and labour bodies to promote aviation as a profession.
- Promote cooperation and coordination for the development of common NGAP guidelines or standards for use by all aviation stakeholders (i.e. civil aviation authorities, industry, international organizations and academia).
- Promote the exchange of knowledge, ideas, best practices and experiences regarding NGAP related activities amongst States, industry, international organizations and academia.
- Promote collaboration between States and the aviation community to identify long-term human resource needs and
 establish strategies to attract, educate and retain aviation professionals, considering gender equality.



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- Second Global Air Navigation Industry Symposium (GANIS/2)
- Safety and Air Navigation
 Implementation Symposium (SANIS)

ICAO Headquarters, Montréal, Canada, 11 to 15 December 2017

Global Aviation Safety & Air Navigation Updates

GANIS/SANIS – GLOBAL PLANNING FOR THE 40TH ASSEMBLY

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 a performance-based implementation methodology including the first Global RASG/PIRG Forum
- 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





Other Global Events

- The Second Global Aviation Cooperation Symposium
 11 13 October 2017 Athens; Greece
- ICAO World Aviation Forum Financing the Development Infrastructure 27 29 November 2017 Abuja, Nigeria
- Seminar on Green Airports
 27 November 2017 1 December 2017 ICAO HQ Montreal





