

AFI AVIATION WEEK – 8th EDITION

AFI Aviation Symposium



ICAO



Session 2: Aviation Safety

GASP/GANP Update

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Director Air Navigation Bureau
ICAO

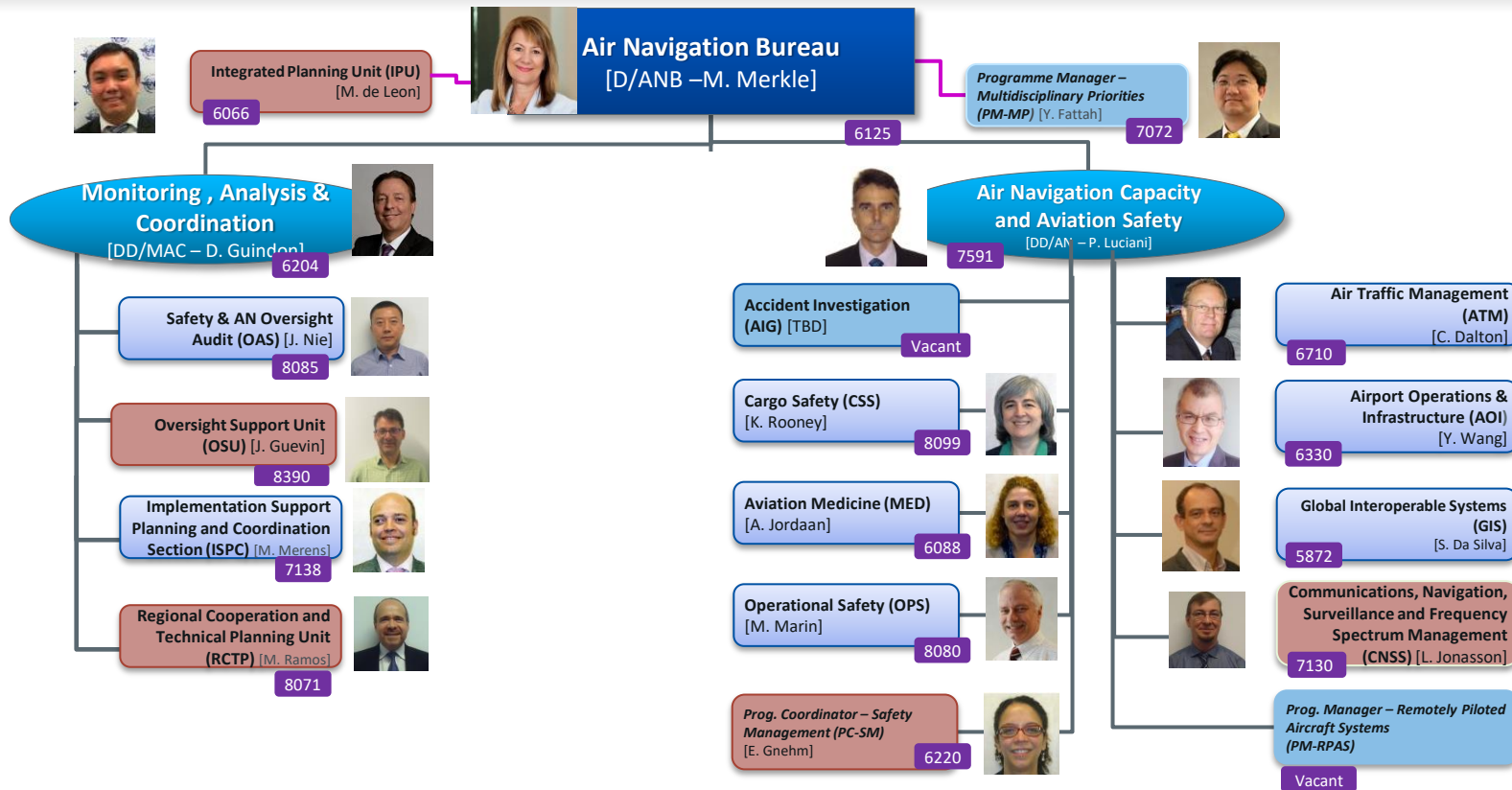
Nairobi, Kenya: August 2023



- **ANB New Organizational Structure**
- **GASP Update**
- **GANP Update**
- **Upcoming Events**



Current ANB Organizational Structure





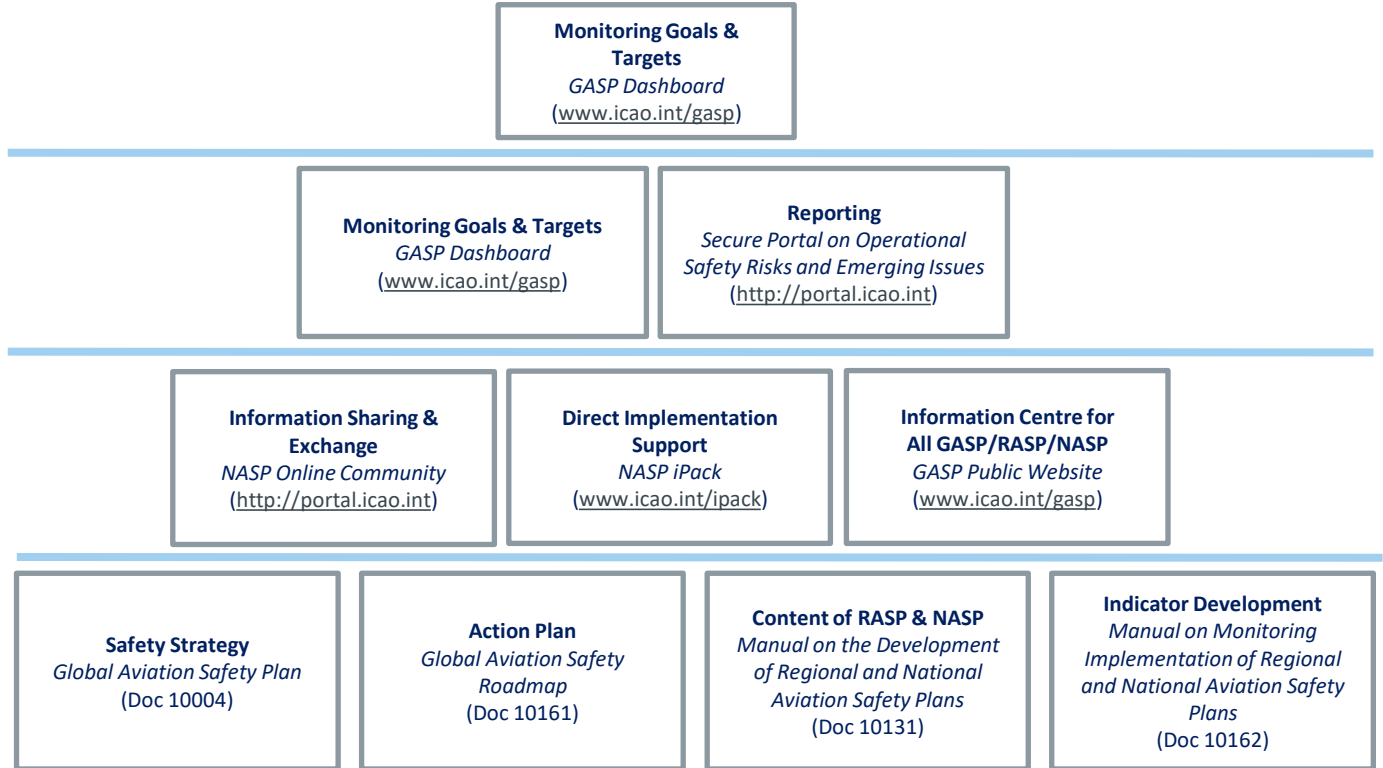
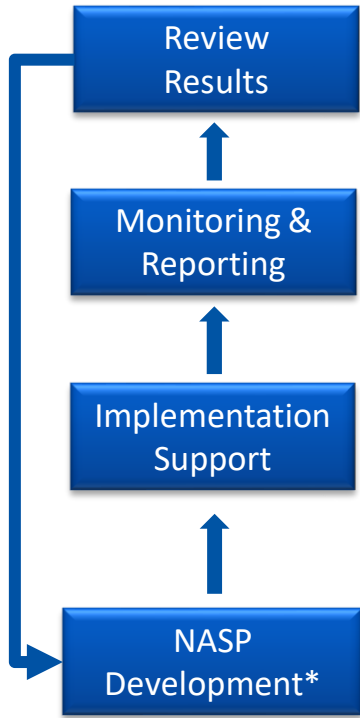
Revised Content in 2023-2025 GASP

- **Revision of GASP Targets and Indicators**
 - considering factors, such as pandemic impact
- **5 High Risk Categories of Occurrences (HRCs) remain unchanged**
 - now Global or G-HRCs
- **Impact of global aviation disruption events on aviation safety**
 - and need for resilience
- **Migration of implementation support content**
 - making GASP solely Strategic Document



Overview of Targets for 2023-2025

Target	Date of Completion	Description
T1.1	Decreasing trend	Maintain a decreasing trend of global accident rate
T2.1	2024/2026/2030	75% , 85% and 95% EI score of CEs
T3.1	2023	All States to implement foundation of SSP
T3.2	2024	All States to publish NASP
T3.3	2025/2028	All States to work towards effective SSP (present; present & effective)
T4.1	2023	States seek assistance
T4.2	2023	All Regions to publish RASP
T4.3	2025	All States to contribute information to RASGs
T5.1	Increasing trend	Industry's contribution in safety info sharing networks
T6.1	2025	States with AN and aerodrome infrastructure that meets ICAO standards



* Cycle starts with NASP Development



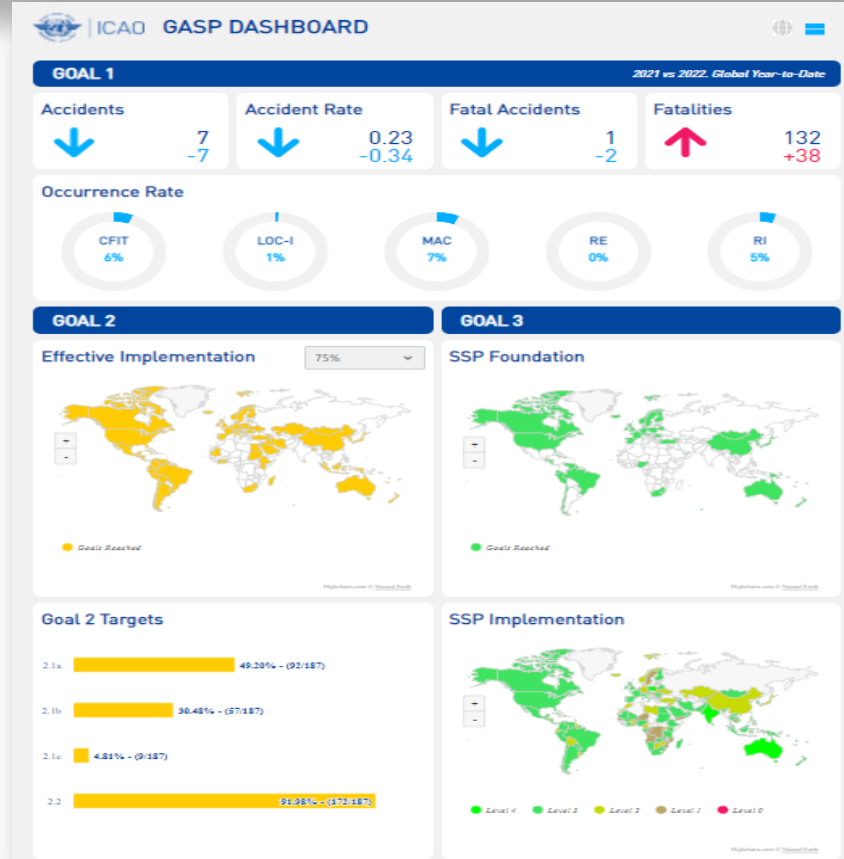
Guidance for NASP Development

- **Doc 10131, 2nd Edition**
 - updated RASP/NASP guidance
 - including checklists from Cir 358 (now obsolete)
- **Roadmap now in new Doc 10161**
 - updated for 2023-2025 GASP
 - serves as basis for action plan in NASP
- **Doc 10162 provides guidance on data sources**
 - for indicators to measure achievement of NASP goals
 - how to measure indicators & how to collect data





<https://soa.icao.int/gasp>





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Additional Work Underway



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GASP-Study Group



Standardized Frameworks

- Currently under development
 - Tool for organizing information
 - Direct data collection & analysis
- 3 Frameworks to support GASP/NASP
 - Identification of ORG Challenges
 - Selection (and removal) of G-HRCs
 - Drafting of GASP Goals, Targets & Indicators
- It defines:
 - Criteria – Aspects/areas to analyze
 - Specifics – Elements to analyze
 - Methodology – Set of methods for analysis





GLOBAL AIR NAVIGATION PLAN

MULTILAYER STRUCTURE OF THE GANP

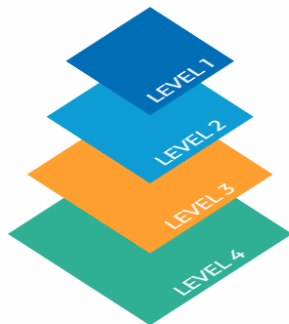
Click a level to navigate














GLOBAL STRATEGIC

GLOBAL TECHNICAL

REGIONAL

NATIONAL



<p>GLOBAL STRATEGIC ×</p> <p>Provides high-level strategic directions for decision makers to drive the evolution of the global air navigation system towards a common agreed vision.</p> <p> GANP DOCUMENT</p>	<p>GLOBAL TECHNICAL ×</p> <p>Supports technical managers in planning the implementation of basic air navigation services and new operational improvements in a cost-effective manner.</p> <p> ASBUs & PF  AN-SPA  BBBs</p>	<p>REGIONAL ×</p> <p>Addresses regional and sub-regional needs aligned with the global objectives.</p> <p> AFI ANP  APAC ANP  EUR ANP  MID ANP  NAM ANP  NAT ANP  CARSAM ANP</p>	<p>NATIONAL ×</p> <p>Development by States, in coordination with relevant stakeholders, of air navigation plans aligned with regional and global plans.</p> <p> NANP TEMPLATE  CBA CHECKLIST</p>
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<https://www4.icao.int/ganpportal/>



Seventh Edition of the GANP (Minor update)

- No Symposium
- Not discussed in a Conference
- Minor input from HLCC due to cancellation of HLSC in 2021
 - No Secretariat paper
- Endorsed by the 41st Session of the ICAO Assembly in 2022

Mapping of the GASP goals to the safety objectives and sub-objectives

- In order to provide an integrated tree for the GANP and the GASP, the goals in the GASP were mapped to the performance objective tree. One of the six goals of the GASP relates to operational safety outcomes:
 - The scope of Goal 1 of the GASP “Achieve continuous reduction of operational safety risks” was not limited to the set of five HRCs, but covered all risk categories (the HRC are a subset of the full set of risk categories). Goal 1 therefore was mapped to the safety performance sub-objective “Maintain or improve safety of traditional flight operations”.
- The rest of the goals in the GASP address organizational safety processes and provision of air navigation services, and were mapped to the tree as follows:
 - Goal 2 of the GASP “Strengthen States oversight capabilities” was mapped to the sub-objective “Strengthen State safety oversight capabilities”;
 - Goal 3 of the GASP “Implement effective State Safety Programmes” was mapped to the sub-objective “Increase the implementation of States’ Safety Programmes”;
 - Goal 4 of the GASP “Increase collaboration at the regional level” was mapped to two sub-objectives “Increase safety enhancement initiatives” and “Improve safety collaboration at global, regional and national levels”;
 - Goal 5 of the GASP “Expand the use of industry programmes and safety information sharing networks by service providers” was mapped to two sub-objectives: “Improve safety management systems implementation” of the industry and “Improve safety collaboration at global, regional and national levels”;
 - Goal 6 of the GASP “Ensure the appropriate infrastructure is available to support safety operations” was mapped to the sub-objectives: “Strengthen States’ safety oversight capabilities”, as well as “Enhance the implementation of the Basic Building Blocks” and “Optimize the implementation of operational safety improvements within the ASBU framework” under the sub-objective “Maintain or improve the provision of infrastructure and aviation services”.



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Global Air Navigation Planning

EIGHTH EDITION

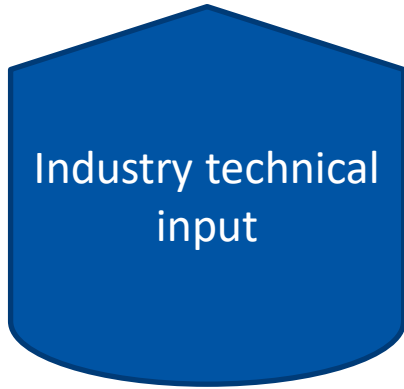




GLOBAL AIR NAVIGATION EVENTS



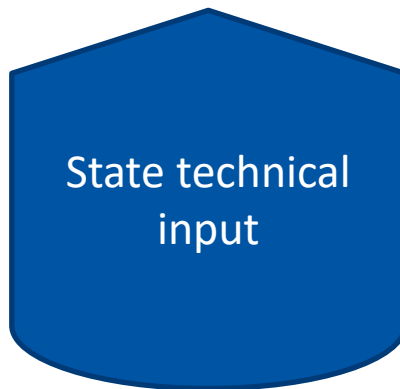
Symposium:
AN World
August-Sept 2023



Industry technical
input



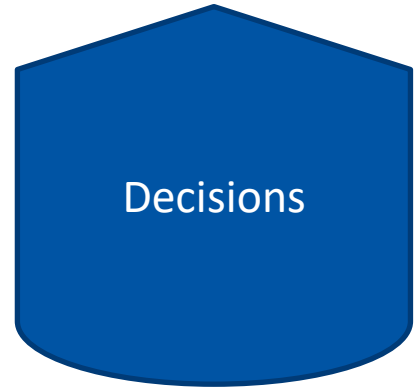
14th Air Navigation
Conference
Sept/Oct 2024



State technical
input



42nd Session General
Assembly
September 2025



Decisions



Eighth Edition of the GANP

- Global Strategic Level
 - Definition of themes for major editions
 - Consider defining Principles
 - Review of the approach to new entrants
 - Update the conceptual roadmap and review the vision
 - Mapping between the strategic and technical levels



Eighth Edition of the GANP

- Global Technical Level
 - Performance Framework
 - Environment
 - Focus areas: CO2 emissions, LAQ and noise
 - Reflect all ICAO initiatives but focused on operational measures/improvements
 - Resilience
 - Update of Doc 9883
 - Need to get ATMRPP feedback
 - Performance Assessment of the ASBU framework



Eighth edition of the GANP

- Global Technical Level
 - Update of the BBB and ASBU frameworks (till Block 4)
 - Update of the TBO tree
 - Integrate new concepts (UTM, HAO, AI/ML, New flight rules)
 - Develop credible benefit driven approach
 - How to package improvements?
 - How to assess investments against monetized benefits?
 - Operational incentives for ASBU elements
 - Identify Quick Wins



AIR NAVIGATION WORLD 2023

Shaping the Skies of Tomorrow

28 - 31 August 2023 | Montréal, Canada

ICAO/EASA Second Forum

on Regional Safety Oversight Organizations (RSOs)
for Global Aviation Safety

Nairobi, KENYA | 10 - 12 October 2023

DRONE ENABLE

5 — 7 DECEMBER 2023
ICAO Headquarters, Montréal, Canada



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(MID) Office
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Southern African
(ESAF) Office
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Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
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THANK YOU