



ICAO

# INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY



# Introduction to the Workshop

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## Objectives of the presentation

- The purpose of this presentation is to introduce the workshop, explain its objectives, deliverables, as well as give a description of its content and the activities during this week.
- This introduction will also include an Overview of the ECCAA ANS Oversight System, provided by the ECCAA ANS Personnel.

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# Introduction to the workshop

## Objectives of the workshop

- i. Address identified deficiencies in the airspace classification and ATS provision for ECCAA Member States.
- ii. Enhance the ATS airspace concept for ECCAA Member States.

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# Introduction to the workshop

## Deliverables of the workshop

- I. Review and enhance the airspace concept for ECCAA Member States.
- II. Draft ATM Operations Manual for ECCAA Member States.
- III. Verify each ECCAA Member State airspace to ensure the adequate classification for ATS provided.
- IV. Draft update for the E-CAR AIP.



# Overview of the Workshop

1. Introduction to the workshop.
2. Review Annex 2 requirements.
3. Review Annex 11 requirements and Comparison of ECCAA Civil Aviation ATS Regulation.
4. Review of the PANS-ATM Doc 4444.
5. Divide into groups per State: Individual analysis of the airspace for each ECCAA Member State.
6. Review of the Eastern Caribbean AIP.
7. Drafting the ATM operations manual for ECCAA Member States.
8. Divide into groups analyze the interactions with neighboring States/airspaces.
9. Review analysis of previous session.
10. Recommendations to update ATS requirements for the airspace for each ECCAA Member State.
11. Draft AIP updates.
12. Summary and closing.

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## References

ICAO Annex 2 – Rules of the Air

ICAO Annex 11 – Air Traffic Services

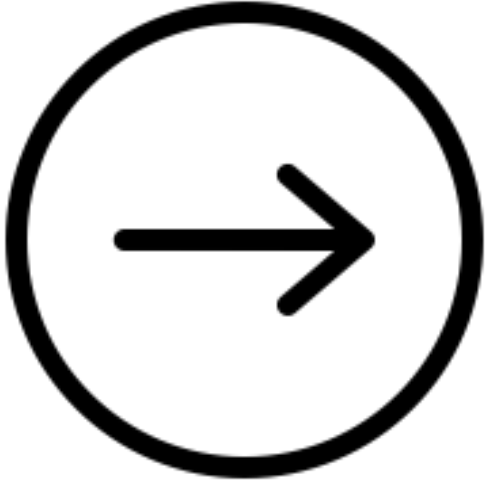
ICAO Procedures for Air Navigation Services – Air Traffic Management (DOC 4444)

ICAO Performance-based Navigation (PBN) Manual (Doc 9613)

European Airspace Concept Handbook for PBN Implementation

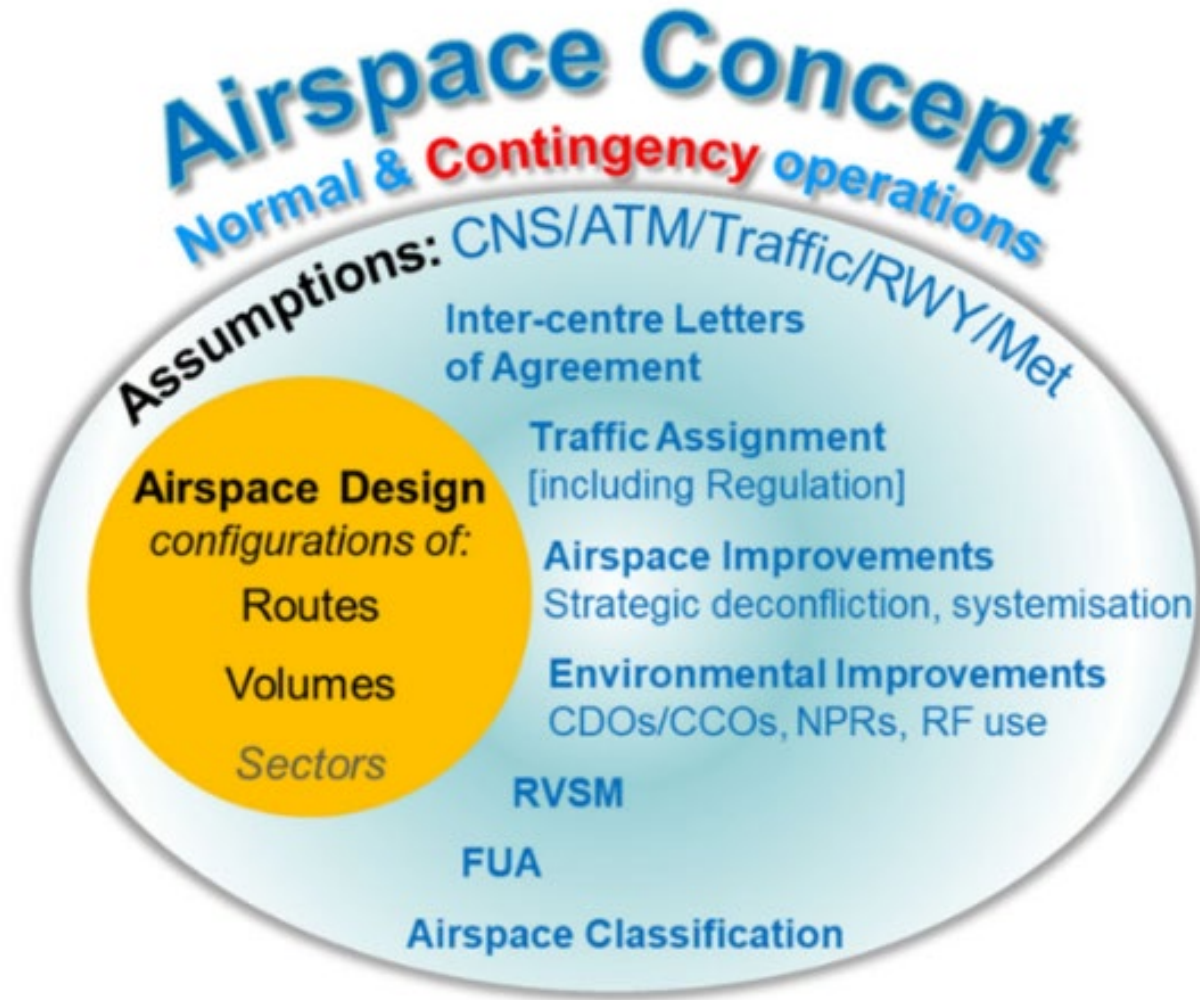
Eastern Caribbean Aeronautical Information Publication

Final Report ICAO NACC Technical Assistance Missions ECCAA Member States 2022

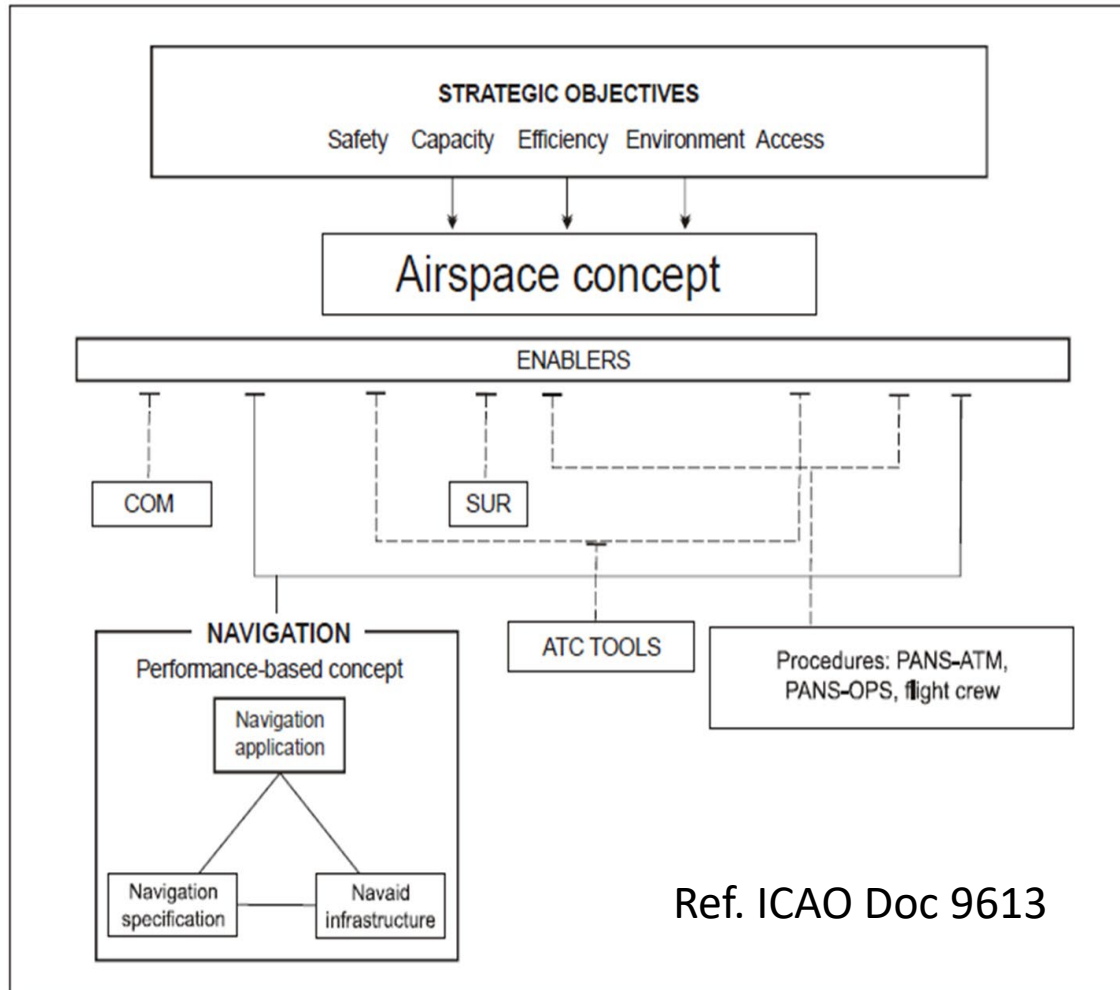




## Airspace concept



- An airspace concept describes the intended operations within an airspace.
- Airspace concepts are developed to satisfy explicit strategic objectives such as improved safety, increased air traffic capacity and mitigation of environmental impact.
- Airspace concepts can include details of the practical organization of the airspace and its users based on particular CNS/ATM assumptions, for example:
  - ATS route structure, separation minima, route spacing and obstacle clearance.



A Master Plan or schema of intended airspace design and its operation



- Describes the intended operations within an airspace
- Developed to satisfy explicit and implicit Strategic objectives



A Fully developed airspace concept describes in detail the planned airspace organization and operation.



Provides a structured and systemic way of determining:

- What is to be achieved; and
- How it Will be achieved.

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## Questions and Answers





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Thank You!