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# Basic Building Block (BBB) Framework for AIM 1.0

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Mexico City/Feb. 2020





- Introduction
- BBB Verification
- BBB Framework
- BBBs Aeronautical Information Management



# Introduction

- The Basic Building Block (**BBB**) framework outlines the foundation of any robust air navigation system.
- **BBB** are essential for services to be provided for international civil aviation in accordance with ICAO Standards.
- The essential services are: Aerodromes, Air Traffic Management, Search and Rescue, Meteorology and **Information Management**
- The **BBB** framework identifies the end users of these services as well as the assets CNS infrastructure



# Introduction

- The **BBB** is considered an independent framework and not a block of the **ASBU** framework as they represent a baseline rather than an evolutionary step.
- This baseline is defined by essential services recognized by ICAO Member States as necessary for international civil aviation to develop in a safe and orderly manner.
- Once these essential services are provided, they constitute the baseline for any operational improvement
- **BBB** framework is presented online in the GANP Portal:  
<https://www4.icao.int/ganpportal/BBB>



# BBB Verification

- It is important to highlight on verifying the implementation of the essential air navigation services outlined in the **BBB** framework as the capability of the States to oversight these services is covered by the ICAO USOAP
- To avoid duplications and to align global and regional planning, the process for verifying the implementation of these essential services should be embedded within the methodology for the identification of deficiencies against the regional air navigation plans
- If these essential services are not being delivered, ICAO, upon request of a State, provides the necessary technical assistance to address the needs as identified within the process.
- States need to apply the implementation of the **BBBs** through their national air navigation plans as a strategic part of their national aviation planning framework.



## BBB Framework:

- METEOROLOGICAL INFORMATION
- **AERONAUTICAL INFORMATION**
- SEARCH AND RESCUE
- AIR TRAFFIC MANAGEMENT
- AERODROME OPERATIONS



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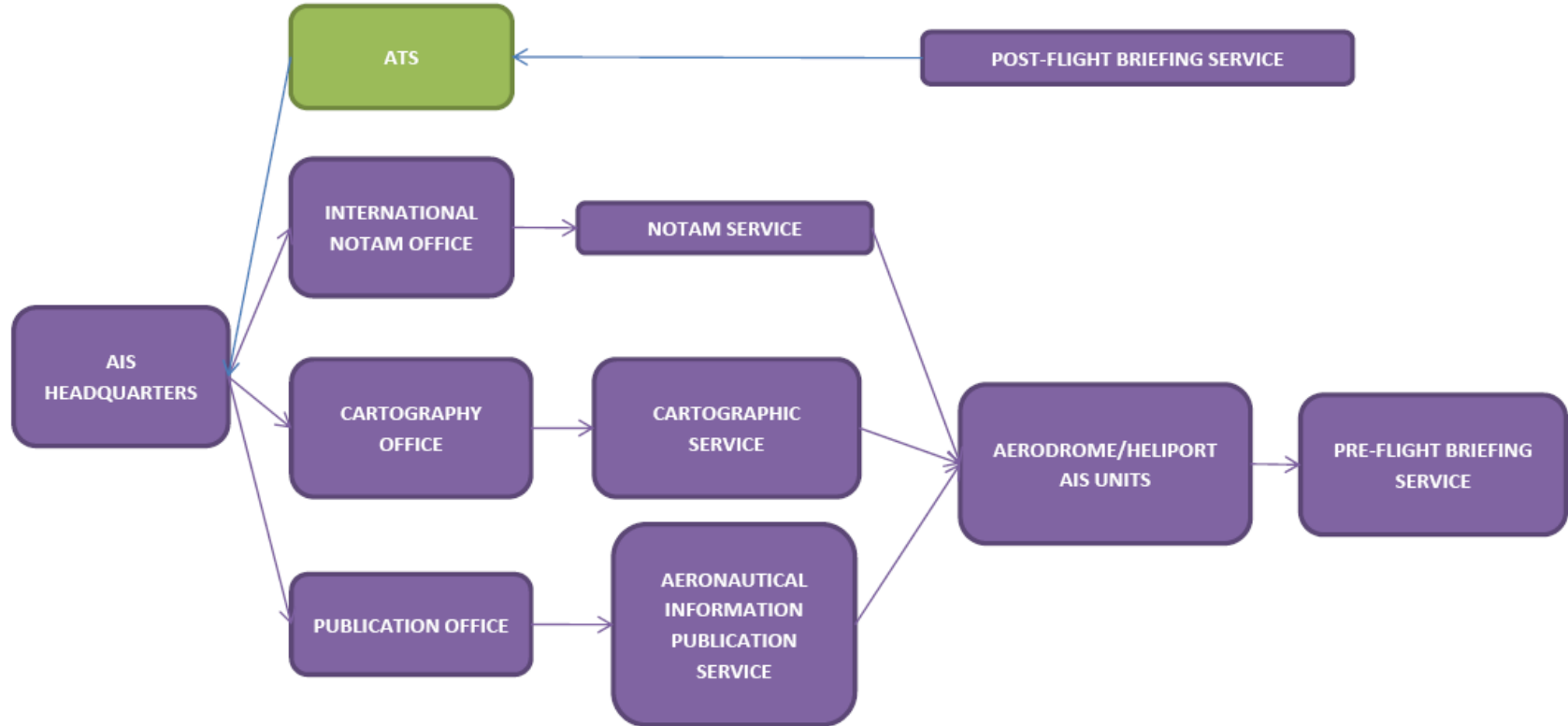
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# AERONAUTICAL INFORMATION MANAGEMENT

(AIM)



# AIM BASIC MODULES AND ELEMENTS



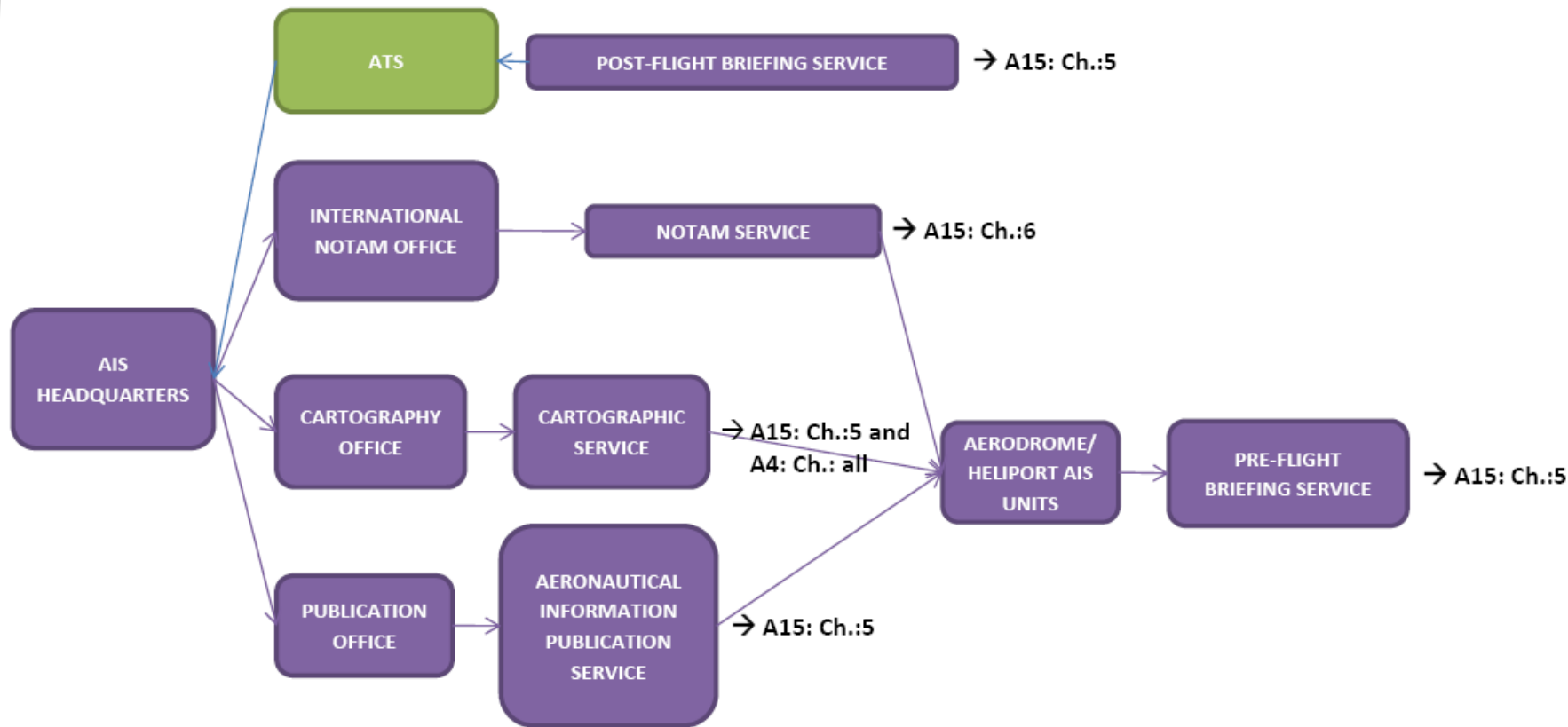






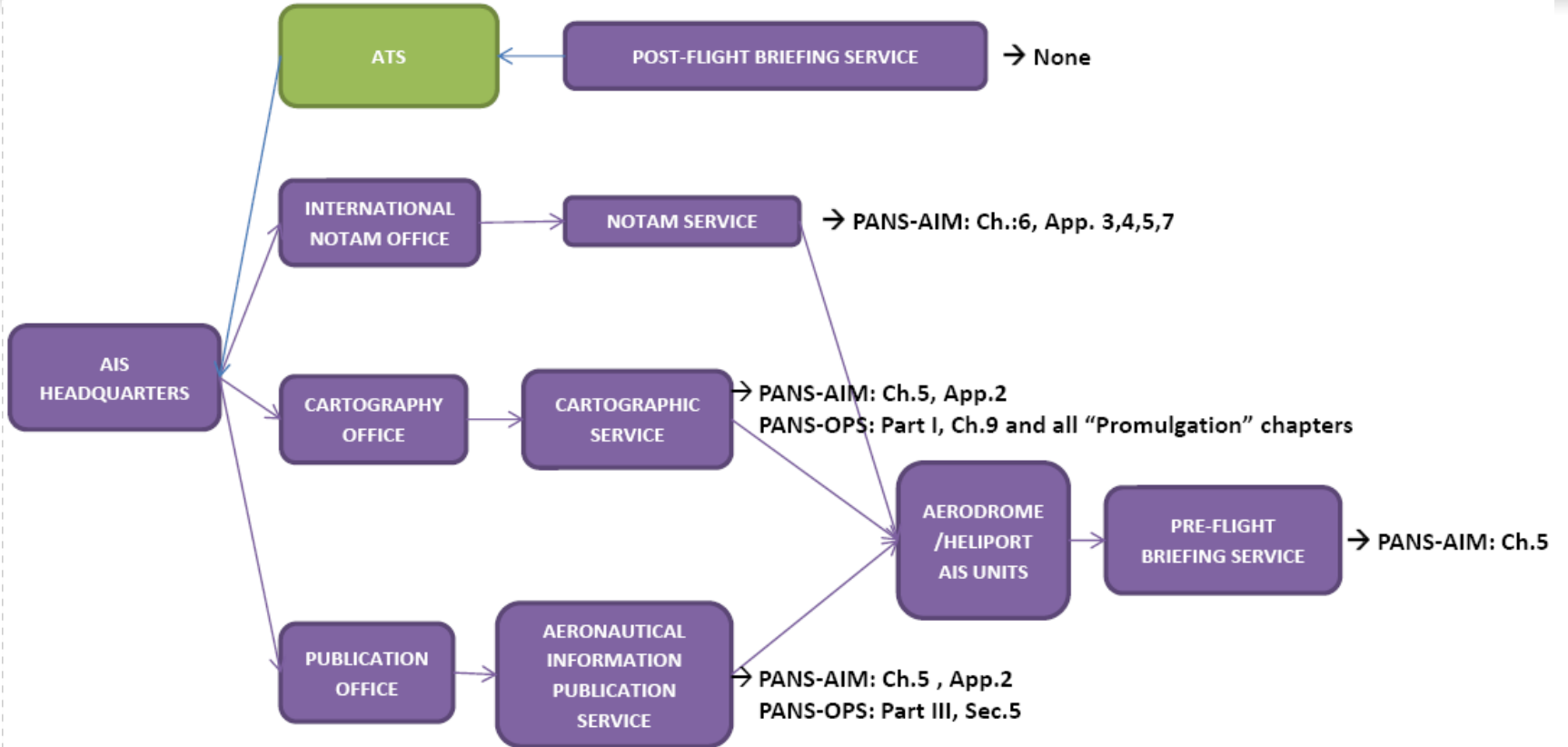
# AVIS BASIC ELEMENTS/REFERENCES

## ICAO SARPs



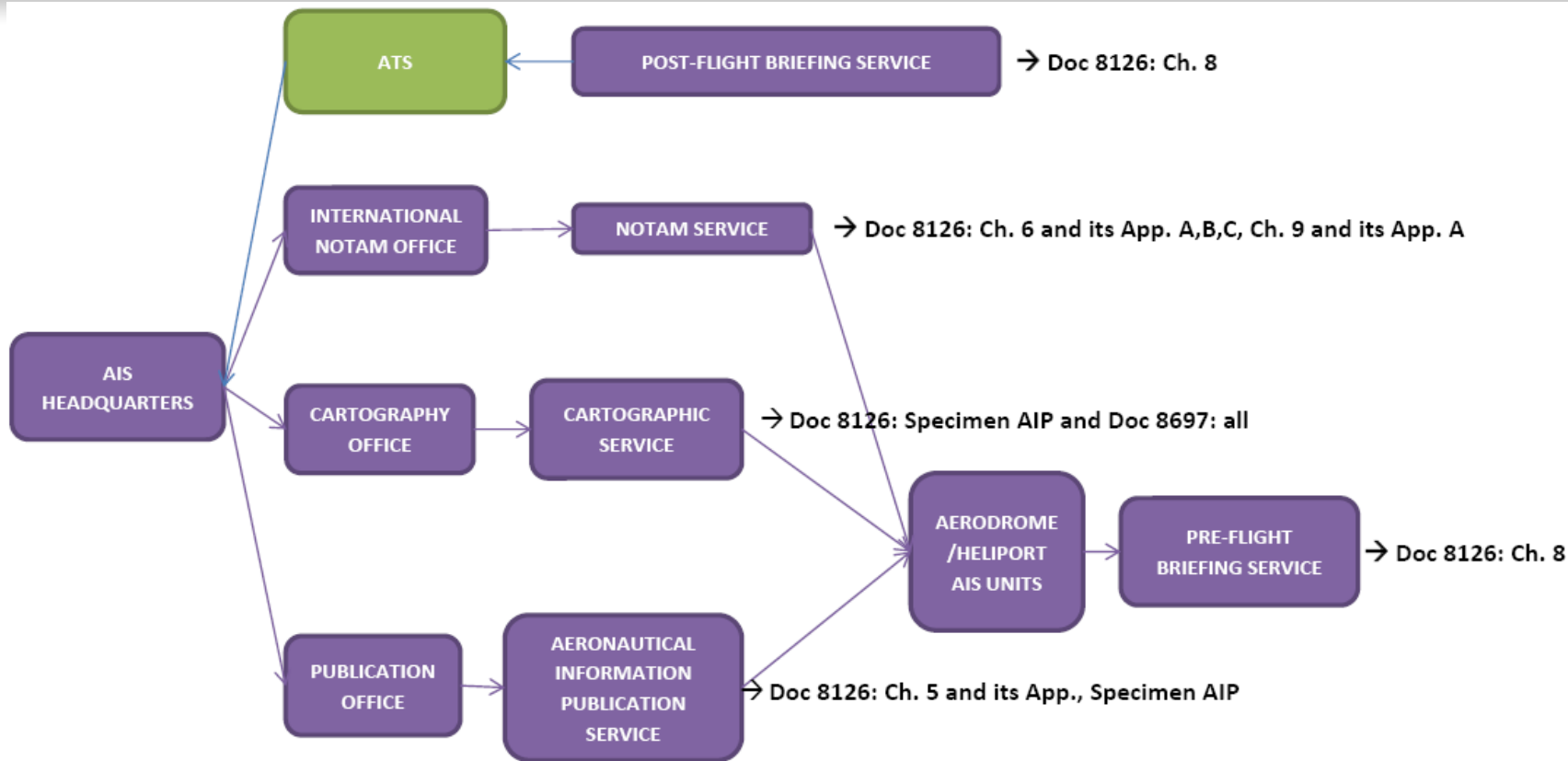


# ICAO Procedures





# AIS BASIC ELEMENTS / REFERENCES ICAO Guidance





- Annex 15: Aeronautical Information Services;
- Annex 4: Aeronautical Charts;
- PANS-AIM (Doc 10066): Aeronautical Information Management;
- PANS-OPS (Doc 8168): Aircraft Operations;
- Doc 8126 – AIS Manual (updated in four volumes);
- Doc 9839 – Quality Manual (unedited);
- Doc 9991 – AIM Training Development Manual (unedited);
- Doc 9881 – e-TOD/AMDB Manual (require final validation and editing);
- Doc 9674 – WGS-84 Manual (require update - accuracy & heighting);
- Doc 8697 – Charting Manual (require update);
- Doc 9855 – Guidelines on the use of the Public Internet for Aeronautical Applications (require update);
- Doc 8400 – ICAO Abbreviations and Codes (PANS-ABC – update) and
- AIM Concept (unedited)



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