AIM RBIS Project – Webinars on the validation of the project implementation documents

Purpose, expected outcomes and Methodology

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Outline

- Background information
- AIM RBIS project
- Purpose and expected outcomes of the webinars
- Conduct of the validation
- Summary of discussions

Background information

Roadmap for the transition from AIS to AIM

- Noted by the Air Navigation Commission on **10 March 2009**.
- Addresses more specifically, and in greater detail, the **direction** given in Global air navigation plan (GANP) for the **future development** of aeronautical information.
- Identifies the **major milestones** recommended for a **uniform evolution** of aeronautical information across all regions of the world, **specific steps** that need to be achieved and **timelines** for implementation.

Background information

Roadmap for the transition from AIS to AIM

- Sets a **baseline** for establishing **strategies** to advance the AIM objectives globally.
- **No changes** in terms of the **scope** of aeronautical information to be distributed.
- Introduction of **new products and services** and an increased emphasis on **better data distribution** in terms of **quality** and **timeliness** to meet user requirements and contribute to improved safety, increased efficiency and greater cost-effectiveness of the air navigation system.

Background information

Roadmap for the transition from AIS to AIM

- Based on what we know at initiation date but developed to provide sufficient **flexibility** for **new concepts** that will emerge from future research.
- Three **phases** of action to complete the transition to AIM, with 21 steps:
  - Phase 1 — Consolidation
  - Phase 2 — Going digital
  - Phase 3 — Information management.

Background information

QMS

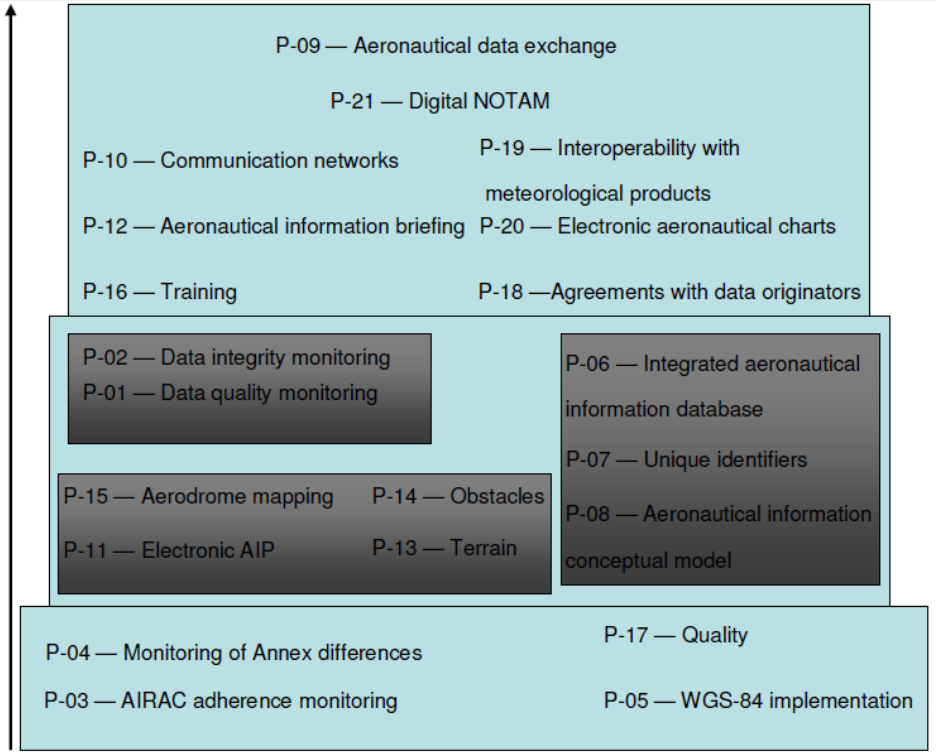
P01 – Data quality monitoring
P03 – AIRAC adherence monitoring
P16 – Training
P17 – Quality
P18 – Agreements with data originators

AIXM

P06 – Integrated aeronautical information database
P07 – Unique identifiers
P08 – Aeronautical information conceptual model
P09 – Aeronautical data exchange
P11 – Electronic AIP

TOD

P05 – WGS-84
P07 – Obstacles
P08 – Terrain



Background information

APIRG projects

- The **20th meeting of APIRG** held in 2015 in Yamoussoukro, Cote d'Ivoire, adopted a **set of projects** identified by the Sub-groups, including the following:
  - **AFI AIM/1** - Assessment and development of QMS applied to AIM in AFI States, from 1/6/2015 to 1/06/2016
  - **AFI AIM/2**: Implementation of Aeronautical Information Exchange Systems (AIXM), from 1/6/2015 to 31/12/2016
  - **AFI AIM/3** - Implementation of the provision of electronic terrain and obstacle data (e-TOD), from 1/6/2015 to 31/12/2017
- Many challenges impacted the progress of these projects

Background information

Implementation status in AFI region

- AFI States implementation status in April 2022 :
  - QMS implemented: 27 States out of 48 – 56%
  - AIXM implemented: 20 States out of 48 – 42%
  - TOD implemented: 1 States out of 48 – 2%
- Need to **expedite** the **assistance** to AFI States in transitioning to AIM, through the **implementation** of QMS, AIXM and TOD.

AIM RBIS project

- For an effective implementation of AIM provisions, the current project "**AIM Results-Based Implementation Support (RBIS) for the AFI Region**" has been initiated in the framework of the **AFI Plan**, to **expedite the support** to State in the implementation QMS, AIXM and TOD.
- Initially planned for 18 months, starting in May 2019, it has been delayed due mainly to the COVID-19.
- The 25th meeting of the **AFI Plan Steering Committee**, held on 17 May 2022, Abuja, Nigeria, **approved the revision** of the project, with a **time frame of 30 months**.

AIM RBIS project

Implementation approach

- The objective of the **AIM RBIS Concept** is to bring AFI States to a good implementation level in AIM through a standard process which includes three main phases as follows:
  - Phase 0: Initiation of the project
  - Phase 1: Development and validation of documentation
  - Phase 2: AIM Go-Team assistance to States and follow-up

AIM RBIS project

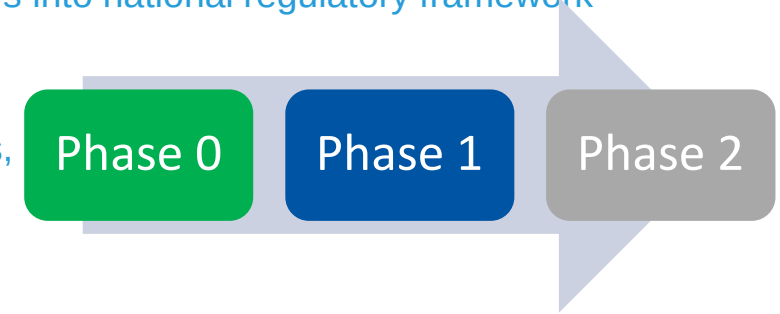
Phase 0: Initiation of the project

- The initiation of the project consisted of the following main activities:
  - Selection of Experts and compositions of technical teams: QMS, AIXM, TOD
  - Workshop on the Go-team methodology with selected experts

AIM RBIS project

Phase 1: Development & validation of documentation

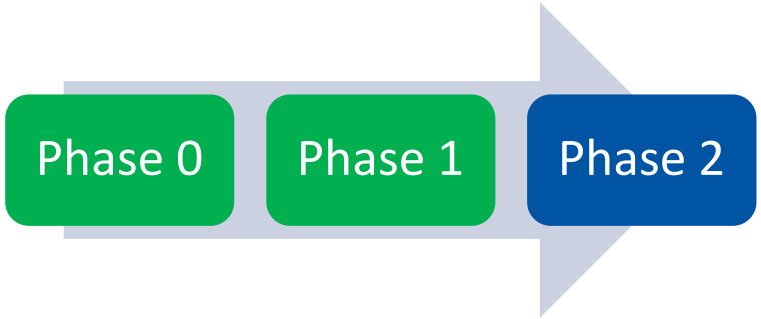
- The technical teams identified and developed generic documents and materials needed to assist States to implement QMS, AIXM and TOD.
- Generic documentation includes, mainly:
  - Transposition of QMS, AIXM and TOD related SARPs into national regulatory framework
  - QMS Policy, Manual, Processes, Procedures
  - Technical Specifications, Costs estimation templates, Identification of Training needs
- Webinars to validate documentation



AIM RBIS project

Phase 2: Go-team assistance to States & follow-up

- Activities of phase 2 will include:
  - Go-Team visits to States for tailored support to implementation of QMS or AIXM/TOD,
  - Final report of the Go-Team visit,
  - State to develop and implement action plan,
  - Go-team to assess the performance and deliver a closing report 12 months after the visit



AIM RBIS project

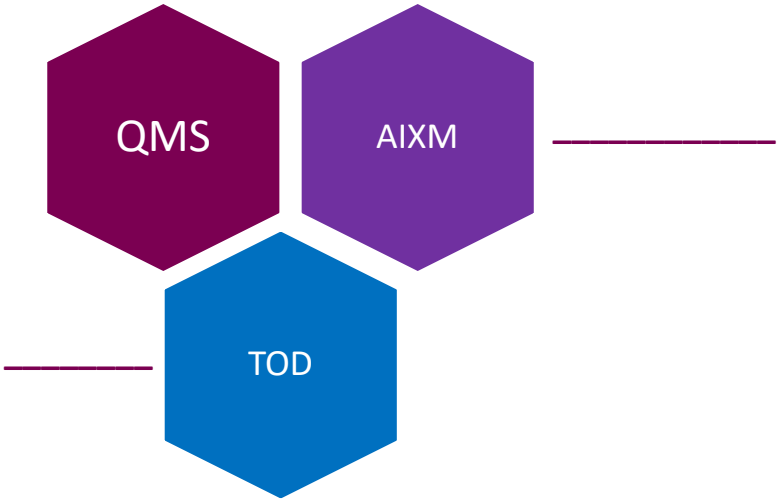
Project deliverables

(Phase 0) **Initiation of the project**	***(Phase 1)*** **Development and validation of documentation**	***(Phase 2)*** **AIM Go-Team visits and follow-up**
(Objective 0) **Establish competent teams to carry out the AIM Go-Team activities**	***(Objective 1)*** **Develop generic documentation required to implement QMS, AIXM and TOD**	***(Objective 2)*** **Assist States in implementing QMS, AIXM and TOD**
(KPIs) 1 Go-Teams established for QMS, AIXM and TOD	*(KPIs)* 1.1 QMS implementation package validated 1.2 AIXM implementation package validated 1.3 TOD implementation package validated	*(KPIs)* 2.1 Number of AFI States having a certified QMS in AIM 2.2 Number of AFI States having an AIXM database and electronic AIP (eAIP) 2.3 Number of AFI States providing Obstacles and Terrain Data sets
(Deliverable 0.1) **Experts selected and trained on the Go-Team methodology**	***(Deliverable 1.1)*** **Implementation packages for QMS, AIXM and TOD**	***(Deliverable 2.1)*** **Go-Team visits to assist States in implementing QMS, AIXM/TOD and follow-up**

AIM RBIS project

Project teams

- The project activities conducted by 3 technical teams.



Purpose of the webinars

- The series of 3 Webinars on the validation of the developed documents, ultimate activity of the phase 1
- The objectives are :
  - 1. Review and improve the quality of QMS implementation documents
  - 2. Review and improve the quality of AIXM and eAIP implementation documents
  - 3. Review and improve the quality of TOD implementation documents

Expected outcomes

- Following outcomes are expected from the webinars:
  - QMS Implementation documents are reviewed and validated
  - AIXM and eAIP Implementation documents are reviewed and validated
  - TOD Implementation documents are reviewed and validated

What to validate ?

- QMS implementation:
  - Generic regulations
  - Generic guidance material
  - Checklists and Forms
  - Generic QMS policy, Manual, processes, procedures, forms, Registers

What to validate ?

- AIXM and eAIP implementation:
  - Generic regulations
  - Generic guidance material
  - Strategy, Technical specifications, SLA, procedures, Identification of training needs

What to validate ?

- TOD implementation:
  - Generic regulations
  - Generic guidance material
  - Policy, Technical specifications, SLA, procedures, Identification of training needs

Who to validate ?

- Facilitators of discussions :
  - Lead the discussions on documents
  - Make the summary of discussions
- Project teams :
  - Present the documents
  - Take note of the inputs from participants
- All participants :
  - Comment and provide inputs to improve the documents

How to validate ?

Breakout Sessions		Facilitator	Team members
QMS webinar 20-21 March	English session	**Ms. Anne Gitau** (Kenya)	Nancy Maangi – Adjei Gideon Adjierteh
	French session	**Mr. Magnourewa Pelenguei** (AAMAC)	Sylvain Nzebo – Koffi Renaud Hermann Konan – Gerard Vignon Ahouansou
AIXM webinar 22-23 March	English session	**Mr. Leonidas Papa Afful** (Ghana)	Raoul Bester – Akwasi Nyarko – Elias Korir
	French session	**Mr. Issa Ado Issoufou** (Niger)	Essasse Paul Nyamsi – Ange Madangui
TOD webinar 27-28 March	English session	**Ms. Olufunmilayo Adeyemi** (Nigeria)	Edward Kimotho – Ange Madangui
	French session	**Mr. Toussaint Nvola Ndong** (Gabon)	Kouakou Dominique Boussou – Yendoubouame Lare

How to validate ?

- The **facilitator to announce** the **document** to be discussed
- A **Team member will briefly** (no more than 10 minutes) **introduce** and **present** the document
- The review of the document will be done by **chapter** and **paragraph**, based on the validation criteria
- At the end, the **summary of overall evaluation** of the document will be provided by the facilitator, the team will take note to formulate recommendations
- The **process** will **continue** with the **next document**.

Summary of discussions

- Facilitators to **present** the **outcomes and recommendations** of their breakout sessions to the plenary
- Team coordinators **consolidate** and **send** the **outcomes** of the webinar to the Secretariat
- Secretariat to **convene** a meeting with the teams to **consider** the **recommendations** of the webinar

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THANK YOU