AIM Regional Implementation
SAM Region

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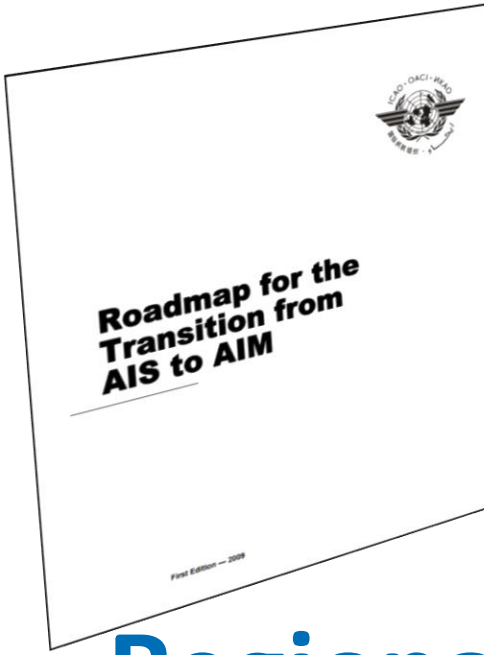
Global AIM Conference
(Rio de Janeiro, Brazil, 17-19 May 2016)

AIS to AIM Transition

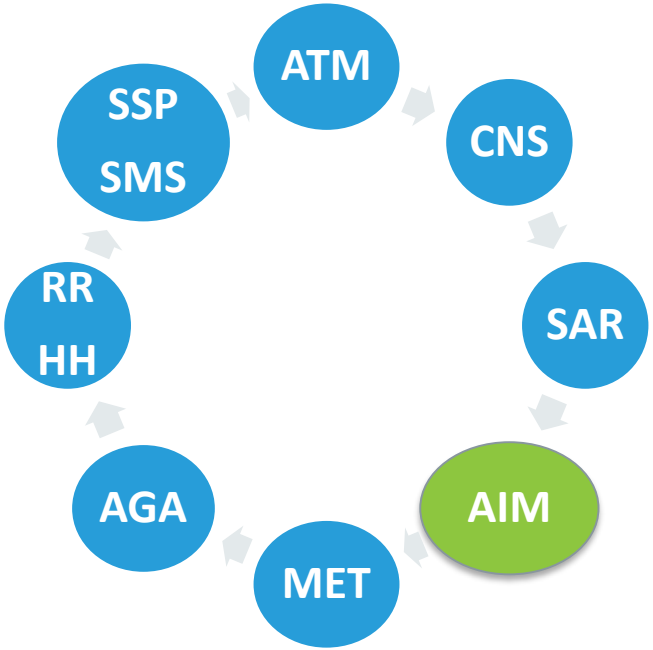
AIS/MAP Sub Group
CAR/SAM PIRGs

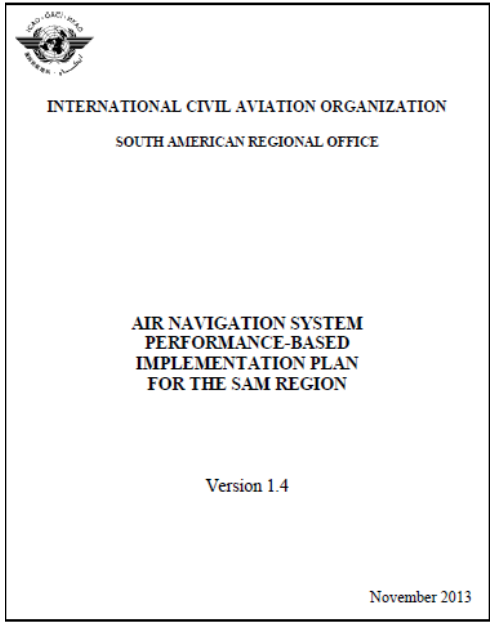
SAM



Regional Implementation

Implementation plan based on performance for the SAM Region





INTERNATIONAL CIVIL AVIATION ORGANIZATION

SOUTH AMERICAN REGIONAL OFFICE

AIR NAVIGATION SYSTEM
PERFORMANCE-BASED
IMPLEMENTATION PLAN
FOR THE SAM REGION

Version 1.4

November 2013

AIM Project – PPRC

G1

Developments for the supply of electronic terrain and obstacle data (e-TOD)

G2

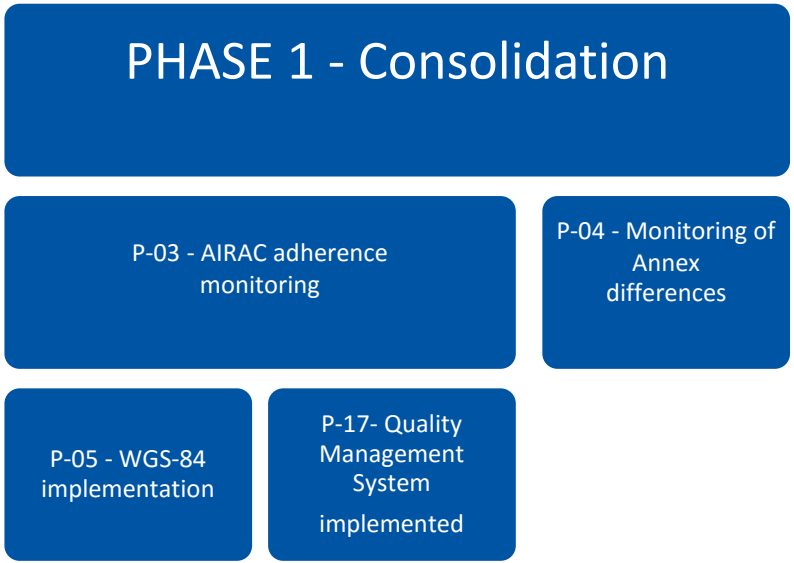
Information Management / Aeronautical Data (AIXM Implementation)

G3

Development of quality specifications applicable to the digital environment AIM

Implementation of the Roadmap of AIS to AIM transition

- Phase 1



- Compliance with SARPs
  10% reduction of deficits has been achieved in the last year
- Adherence to AIRAC - Only one State had problems in the past year.
- WGS-84 Compliance: All States
- Differences are published
- Compliance with QMS
  8 State have ISO 9001:2008 certificates
  3 State have progressed more than 70% (cert. 2017?)
  3 States are below 50%

e-TOD

Area 1	
Digital Elevation Model	49%
Obstacle	35%

Area 2	
Area 2A	
Terrain	49%
Obstacle	49%
Take-off flight path area	
Terrain	42%
Obstacle	42%
Area bounded by the lateral extent of the aerodrome obstacle limitation surfaces	
Terrain	35%
Obstacle	42%

B0-DATM (SAM Region Air Navigation Strategy)

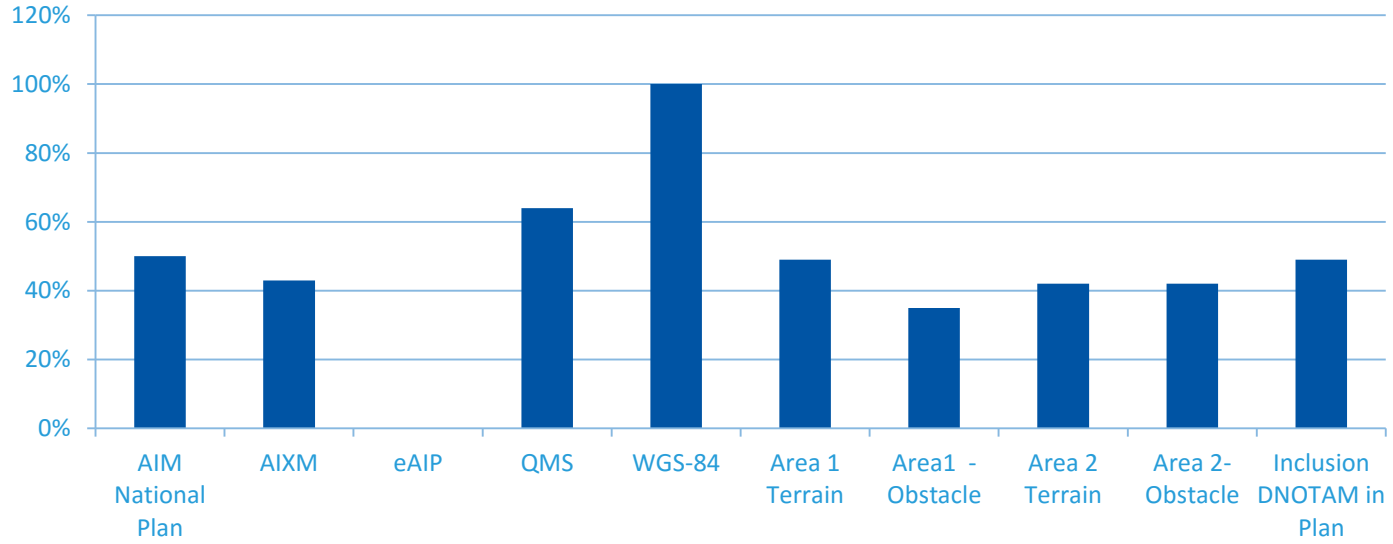
APPENDIX A

IMPLEMENTATION STATUS OF B0-DATM ELEMENTS

B0 - DATM: Status of AIM improvement through digital aeronautical information management				
ELEMENTS	**SCOPE**	**INDICATORS/ METRICS**	**GOALS: % / Date**	**STATUS**
1 - AIM National Plan / Action Plan	All States	Indicator: % of States that have developed an AIM National Plan together with an Action Plan. Metrics: Number of States that have developed an AIM National Plan together with an Action Plan.	50% 2nd semester 2015 100% 1st semester 2015	14% (2 States)
2 - AIXM	All States	Indicator: % of States that have implemented AIXM on an AIS database. Metrics: Number of States that have implemented AIXM on an AIS database.	2016 **trials** (6 States: ARG, BRA, PAN, PER, URU, VEN) 28% by 2017 49% by 2018 100% by 2019	XX% (X of States)
3 - Electronic AIP	All States	Indicator: % of States that have implemented an IAID to manage the production of the electronic AIP (eAIP). Metrics: Number of States that have implemented an IAID to manage the production of the electronic AIP (eAIP).	30% by 2017 60% by 2018 100% by 2019	XX% (Nr. of States)
4 - QMS	All States	Indicator: % of States that have certified QMS for AIM processes. Metrics: Number of States that have certified QMS for AIM processes.	63% by 2015 100% by 2016	35% (5 States)
5 - WGS-84	All States	Indicator: % of States that have implemented WGS-84 for horizontal plan (ENR, Terminal, AD. Metrics: Number of States that have implemented WGS-84 for horizontal plan (ENR, Terminal, AD. Indicator: % of States that have implemented WGS-84 Geoid Undulation. Metrics: Number of States that have implemented WGS-84 Geoid Undulation.	Horizontal 100% by 2014 Vertical 100% by 2014 100% by 2016	100% (14 States) 100% (14 States) 77% (11 States)

B0 - DATM: Status of AIM improvement through digital aeronautical information management				
ELEMENTS	**SCOPE**	**INDICATORS/ METRICS**	**GOALS: % / Date**	**STATUS**
6 - Electronic terrain and obstacle data (e-TOD)	All States Argentina, Brazil, Chile and Peru	Indicator: % of States that have implemented the Terrain data set. Metrics: Number of States that have implemented the Terrain data set. Indicator: % of International Airports by State that have implemented the Obstacle data set. Metrics: Number of States that have implemented the Obstacle data set.	**Area 1**: Terrain: 100% by 2016 Obstacles: 49% by 2016 51% by 2017 **Area 4:** Terrain: 100 % by 2016 Obstacles: 100 % by 2016	**Area 1**: Terrain: XX% (XX of States) Obstacles: XX% (XX of States) **Area 4** Terrain: XX% (XX States) Obstacles: XX% (XX States)
7 - Digital NOTAM	All States	Indicator: % of States that have included the digital NOTAM in their National AIS-to-AIM Transition Plan. Metrics: Number of States that have included the digital NOTAM in their National AIS-to-AIM Transition Plan.	28% by 2017 56% by 2018 100% by 2019	XX% (XX of States)
8 - Integrated aeronautical information databases (IAID)	All States	Indicator: % of States that have developed integrated aeronautical information databases (IAID). Metrics: Number of States that have developed integrated aeronautical information databases (IAID).	28% by 2017 56% by 2018 100% by 2019	XX% (XX of States)

Status of B0-DATM



Implementation Monitoring

- **Monitoring of the implementation is carried out through:**
  - Regional Performance Dashboard (SAM Dashboard is being updated to include all the B0-DATM elements)
  - SAM/AIM Regional Meeting (Two per year); and
  - PPRC (SAM Programmes and Projects Review Committee)(SAM PIRG)
  - ICAO SAM Regional Office (Secretariat).

ICAO

THANK YOU