

Appendix F to the Report on Agenda Item 1
AIS/MAP/SG Work Programme

ID	Task Name	Responsibility	Priority	Completion	Start	Finish	2003	2004	2005	2006	2007	2008
1	1. CAR/SAM AIS database (CASADAB) AIXM system development with AIM approach and based on the conceptual model (SG is waiting HQs to prepare SARPS & guidance material for DB Global Model, to be ready in 2008+)	ICAO HQs AIM/SG	A	17%	Wed 01/01/03	Fri 31/10/08						
2	1a - Review the current status and suggest actions	AUTO TF		35%	Wed 01/01/03	Tue 31/10/06						
3	1b - Prepare a Regional Manual-Guide according ICAO/HQ guidelines	AUTO TF		0%	Fri 31/12/04	Fri 31/10/08						
4	2-Define general technical criteria for the automated processing of the Integrated Aeronautical Information Package by AIS services (To continue with this task the SG is waiting for HQ's to prepare the SARPS and guidance material for the DB Global Model)	ICAO HQs AIM/SG	A	40%	Wed 01/01/03	Fri 31/10/08						
5	2a - Identify for each case (State) management/capacity enhancement options for this development (GREP/13 par. 232)	AUTO TF Ad hoc		40%	Wed 01/01/03	Tue 31/10/06						
6	2b - Analyse and evaluate the options for implementation of the automated integrated AIS/MAP Data Bases (GREP/13, ANC comments, DB AUTO TF/2)	AUTO TF		60%	Mon 03/03/03	Fri 31/10/08						
7	2c - Prepare guidance for States on how to develop Data Bases System and its data Structure tables (GREP/13, ANC comments, DB AUTO TF/2, RLA 98/003)	AUTO TF		40%	Wed 01/01/03	Tue 04/03/08						
8	3-Develop specialized AIM training programmes based on the new role of AIM personnel within CNS/ATM environment (TRAIN TF/9) -(Stand by for HQ's guidance material-ANC comments)	ICAO AIM/SG	B	50%	Wed 01/01/03	Fri 31/10/08						
9	3a -To identify and develop the processes needed to ensure the aspects regarding proficiency, training and qualification of human resources- (Issues related to training will be dealt in the QM/TF)-(SG/9, GREP/13 par. 3.5.27)	QM/TF TRAIN/TF		50%	Wed 01/01/03	Fri 31/10/08						
10	4-Responsibilities and functions of the AIS/MAP specialist, based on the new role of AIS/MAP personnel within CNS/ATM environment (GREP/13)-(Stand by for HQs guidance material-ANC comments)	ICAO HQ AIM/SG	B	49%	Fri 28/11/03	Mon 30/06/08						
11	4a-Review and evaluate staff experience, prerequisites and qualification for specialized task in AIM activities	TRAIN/TF		60%	Fri 28/11/03	Mon 30/06/08						
12	4b-To enhance and improve the AIM personnel profile and skills according to global ATM operational concept (For selection, training and test of AIM personnel) -GREP/13-	TRAIN/TF		30%	Wed 30/11/05	Mon 30/06/08						
13	5-Review and update part VIII-AIS/MAP of the CAR/SAM ANP Vol. I ANP and Vol. II FASID (GREP/14)	AIM/SG ROs	A	18%	Wed 30/11/05	Fri 31/10/08						
14	5a-States to submit the relevant information to ROs according to the GREPECAS/14 related conclusion -AIS/MAP/SG/10th. Meeting to deal with this issue.	ROs-States AIM/SG		50%	Wed 30/11/05	Fri 31/03/06						
15	5b-Develop amendment proposal as necessary	ROs-States AIM/SG		30%	Wed 30/11/05	Thu 30/11/06						
16	5c-ICAO to prepare ANP/FASID Amendment Part VIII AIS/MAP	ICAO		10%	Wed 30/11/05	Fri 31/10/08						
17	6 - Develop an ICAO/IPGH TC draft Technical Co-operation project for the production and implementation of the 1:000,000 and 1:500,000 VFR aeronautical charts. Reactivation of the PAIGH Aeronautical Charts Committee. (GREP/14)	ICAO TC/ PAIGH AIM/SG	A	25%	Wed 30/11/05	Thu 30/10/08						
18	6a -To determine strategy and to prepare a plan for electronic charts production and implementation, including GIS development and QM matters	e-MAP/TF		25%	Wed 30/11/05	Thu 30/10/08						
19	7- Prepare a programme for the applications of the elements of human factors into the AIS services (GREP/14)	AIM/SG	B	58%	Fri 01/07/05	Fri 31/10/08						
20	7a- To prepare a manual of human factors principles applied to AIM	QM/TF		65%	Fri 01/07/05	Mon 06/10/08						
21	7b- To prepare HF implementation plan in CAR/SAM AIM	QM/TF		40%	Tue 03/07/07	Fri 31/10/08						

AIS/MAP Work Programme Date: Mon 11/02/08	Task		Summary		Rolled Up Progress		Project Summary	
	Progress		Rolled Up Task		Split		Group By Summary	
	Milestone		Rolled Up Milestone		External Tasks			

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22	8-Study AIS, MET and FLP products in support of the integrated provision of pre-flight and in-flight information service.	AIM/SG MET/SG ATM/COM		0%	Fri 01/07/05	Mon 31/12/07						
23	8a- To carry out the relevant studies for the harmonization and application of AIS, MET and FLP products			0%	Fri 01/07/05	Mon 31/12/07						
24	9-Carry out planning activities for AIM implementation matters	AIM/SG/ T Forces ROs	A	50%	Tue 01/03/05	Fri 31/10/08						
25	9a-Monitoring and assisting the implementation of NOTAM Data Banks using common query protocols (GREP/13 Related conclusions)	ROs DB AUTO		50%	Tue 01/03/05	Fri 31/10/08						
26	9b-Monitoring and assisting the planning of the implementation of the Electronic AIP	ROs DB AUTO		45%	Fri 01/07/05	Fri 31/10/08						
27	9c-Monitoring and assisting the planning of the implementation of the quality management system in the AIS services	ROs QM/TF		80%	Fri 01/07/05	Fri 30/11/07						
28	9d-Planning of the implementation of the WGS-84 aeronautical charts, using GIS technology including e-TOD.	Ros e-MAP/TF Ad hoc		25%	Fri 01/07/05	Fri 30/11/07						
29	10-Study and application of the AIM Concept in the CAR/SAM Regions (GREP/14)	AIM/SG/ T Forces ROs	B	26%	Wed 30/11/05	Fri 31/12/10						
30	10a-To organize seminar on the amendments to Annexes 4 and 15 and AIM concept (GREP/13 related conclusions)	ROs States		50%	Wed 30/11/05	Tue 31/10/06						
31	10b-Study for the planning and development of the AIM concept in the AIS/MAP services-Application of the AIS services as a component of the global ATM operational concept (GREP/13 related conclusions)	ROs		40%	Wed 30/11/05	Fri 31/10/08						
32	10c-Developing methods for restricting access, merging and de-identification of source, etc. In regard of a networked aeronautical information management system with the scope envisage for AIM it is recognized that some data it contains is sensitive.	QM/TF AUTO/TF		0%	Tue 01/07/08	Fri 31/12/10						

AIS/MAP Work Programme Date: Mon 11/02/08	Task		Summary		Rolled Up Progress		Project Summary	
	Progress		Rolled Up Task		Split		Group By Summary	
	Milestone		Rolled Up Milestone		External Tasks			

APPENDIX B

TERMS OF REFERENCE AND WORK PROGRAMME OF THE AERONAUTICAL INFORMATION MANAGEMENT SUBGROUP (AIM/SG)

1. Terms of Reference

Foster and ensure the evolution of CAR/SAM Aeronautical Information Services from a manual operational environment to an environment where digital aeronautical information of high quality and integrity is processed and exchanged electronically to support the implementation of CNS/ATM systems, GNSS, operational ATM, and a state-of-the-art FMS.

1.1 Aeronautical Information Management (AIM) apply in a global and interoperable basis the provision of aeronautical information and data covering the needs of the present and future ATM system and for all phases of flight for use by pilots, air traffic controllers and other data users.

2. Work Programme

TASK NUMBER	TASK DESCRIPTION	PRIORITY	DATE	
			START	END
AIM/1	Develop strategies and policies to establish the basic requirements and planning criteria for the evolution of AIS services within an effective Aeronautical Information Management (AIM) environment, in keeping with the components of the Global <u>Intero</u> perational Concept.	A	2007	2010
AIM/2	Coordinate the application of quality systems in AIM services, in keeping with the relevant ISO standards; propose action plans for the implementation by CAR/SAM States of these types of systems; and assess the problems facing AIM services for the implementation of the cited systems.	A	2007	2008
AIM/3	Define the requirements to ensure due process when evaluating personnel within the framework of effective aeronautical information management, together with the consistent application of CAR/SAM AIM training programmes, also taking into account the need for basic criteria to ensure the development of an English language training programme related to effective aeronautical information management.	B	2007	2010

TASK NUMBER	TASK DESCRIPTION	PRIORITY	DATE	
			START	END
AIM/4	Coordinate the development of basic operational requirements and the required strategies for adoption of aeronautical information conceptual and exchange models (AICM/AIXM) in the CAR/SAM Regions, in order to facilitate the electronic exchange of digital aeronautical information/data between operational systems and their mutual inter-functionalities, both within the CAR/SAM Regions, as well as between these and other ICAO Regions.	B	2008	2010
AIM/5	Implement practical guides to assist the States in the provision of electronic terrain and obstacle data (Doc 9881) for the electronic representation of aeronautical charts, as well as in the drafting of electronic aerodrome obstacle charts, as required.	A	2007	2008
AIM/6	Conduct the required relevant studies for the use of geographical information systems (GIS) in AIM; also, prepare technical guides for the production by CAR/SAM States of VFR aeronautical charts (scales between 1:500,000 and 1:1,000, 000) in digital format.	A	2007	2010
AIM/7	Periodically update the CAR/SAM Regional Navigation Plan (Part VIII, AIS) in order to ensure its effective evolution with respect to the Global CNS/ATM Plan and in keeping with the SARPS contained in ICAO Annexes 4 and 15.	B	2007	
AIM/8	Promote and follow-up on the effective implementation of AIM requirements in keeping with established procedures in order to take corresponding corrective action to resolve deficiencies affecting air operations.	A	2007	2008
AIM/9	Coordinate, on an ongoing basis, with all GREPECAS contributory bodies, in order to ensure proper integration of all areas contributing to CNS/ATM implementation. <u>Developing methods for restricting access, merging and de-identification of source, etc. In regard of a networked aeronautical information management system with the scope envisage for AIM it is recognized that some data it contains will be sensitive, as consequence it is necessary to take into account to protect information /data from unauthorized use.</u>	B <u>BA</u>	2007 <u>2007</u> <u>2008</u>	 <u>2010</u>

3. **Priority**

- A** High priority tasks, on which work should be speeded up.
- B** Medium priority tasks, on which work should commence as soon as possible, but without detriment to priority **A** tasks.
- C** Tasks of lesser priority, on which work should commence as time and resources allow, but without detriment to Priority **A** and **B** tasks.

4. **Composition**

Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, France, Paraguay, Peru, Spain, Trinidad and Tobago, United States, Venezuela, COCESNA, IATA, and PAIGH.

5. **Chairperson**

Chairperson: Mrs. Noemí Carta (Cuba)
Vice-Chairman: Mr. Rafael Torres (Venezuela).

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