



Agenda Item 2: Implementation of aeronautical information/data exchange systems

**PROJECT G2 – IMPLEMENTATION OF AERONAUTICAL INFORMATION
EXCHANGE SYSTEMS (AIXM)**

(Presented by the Secretariat)

SUMMARY	
This working paper analyses the status of implementation of Project G2 “Implementation of Aeronautical Information Exchange Systems (AIXM)”	
References: <ul style="list-style-type: none">• Annex 15 to the ICAO Convention.• SAM/AIM/4 Multilateral Meeting.	
ICAO Strategic Objectives:	<i>A - Safety</i> <i>C - Environmental protection</i>

1 Background

1.1 Regarding **Project G2 “Implementation of Aeronautical Information Exchange Systems (AIXM)”**, whose corresponding description and GANTT appear in **Appendix A** to this working paper, still has no Coordinator, and its tasks are being performed by the Programme Coordinator. The States have not offered to contribute with an additional expert to coordinate the tasks of this Project.

2 Discussion

2.1 The Secretariat developed the deliverables that could be generated, based on the information obtained at the SAM/AIM/3 and SAM/AIM/4 meetings, but the project for the application of the aeronautical data/information exchange model is behind schedule.

2.2 In order to address the issues related to the exchange of aeronautical information and data, more expert knowledge needs to be generated, since there are no AIM experts in the Region duly trained to develop and contribute to this project. An AIXM seminar has been scheduled for 2014.

2.3 Furthermore, several States have not made sufficient progress in the implementation of quality in their units, which is of essence to ensure the quality of the data to be exchanged *via* AIXM.

2.4 Notwithstanding the above, the delay in this project has no major impact at present, since the ASBU methodology has extended its implementation timetable, and Headquarters is delayed in the development of the corresponding SARPs on the characteristics and operational use of the exchange models currently in use in Europa and the United States.

2.5 Nevertheless, experience shows that SAM States should receive training in this area for the purpose of AIXM implementation as soon as they have obtained the quality certification.

Analysis of the achievement of goals, based on Project G2 indicators/metrics

2.6 None of the States has implemented an Action Plan for the exchange of data (AIXM).

3. **Suggested action:**

3.1 The Meeting is invited to review the status of implementation of Project G2 “Implementation of Aeronautical Information Exchange Systems (AIXM)” and decide on the next steps to be taken by the Region, especially considering the need for training in those States that have already attained quality assurance in their units, and the lack of a Coordinator.

APPENDIX A

SAM Region	PROJECT DESCRIPTION (DP)	DP N° G2	
<i>Programme</i>	Title of the Project	Start	End
<p><i>AIM</i></p> <p>(ICAO Programme Coordinator: Roberto Arca Jáurena)</p>	<p>G2: Implementation of Aeronautical Information Exchange Systems (AIXM) (SAM)</p> <p>Project coordinator: No coordinator</p> <p>Experts contributing to the project: SAM/AIM/IG</p>	01/03/12	01/12/13
Objective	Prepare an action plan to be implemented by States for the application of the aeronautical information/data exchange model.		
Scope	The scope of the project contemplates the evaluation and identification of automation levels associated to the integration of the aeronautical information and data exchange model in the Region, through surveys, the identification of database providers, and the follow-up on the development of SARPs on this matter.		
Metrics	Number of States that have implemented an Action Plan for data exchange systems.		
Goals	Complete all the documentation needed by States before 31/12/13.		

Strategy	Project activities will be coordinated among project members, the project coordinator, and the programme coordinator, mainly through teleconferences (GoToMeeting application). Seminars/meetings are scheduled in accordance with work programme activities. The project coordinator will coordinate with the programme coordinator for the inclusion of additional experts, if warranted by the tasks and work to be performed. Coordination will take place between the CAR and SAM Regions. The results of the work done will be submitted to the consideration and review of State experts in the form of a final consolidated document for analysis, review, and approval, and for presentation to the GREPECAS PPRC by the programme coordinator.				
Rationale	Integrate aeronautical information so as to permit the interoperability of ATM systems while preserving safety, applying the information exchange models.				
Related projects	This project is related to Project G3 “Implementation of the Quality Management Systems in the AIM units in SAM States”.				
Project deliverables	Relationship with the performance-based regional plan (PFF)	Responsible party	Status of implementation*	Delivery date	Comments
Survey of the provision of IAIP, using a table.	PFF: SAM AIM/02	ICAO coordinator		16/03/12	Finalised on schedule at the SAM/AIM meeting.
Circulation of IAIP survey to States	PFF: SAM AIM/02	ICAO coordinator		16/03/12	Finalised on schedule at the SAM/AIM meeting.
Collection and updating	PFF: SAM AIM/02	ICAO coordinator		16/03/12	Finalised on schedule at the SAM/AIM meeting.
Collection of experiences in SAM States with the electronic AIP	PFF: SAM AIM/02	ICAO coordinator		16/03/12	Finalised on schedule at the SAM/AIM meeting.

Analyse related Eurocontrol specifications for their incorporation.	PFF: SAM AIM/02	ICAO coordinator		01/10/14	
Organise AIXM seminar	PFF: SAM AIM/02	ICAO coordinator		03/07/14	
Develop guidance material		ICAO coordinator		28/11/14	
Develop AIXM action plan for the States	PFF: SAM AIM/02	ICAO coordinator		03/03/15	
Resources required	Designation of experts in the execution of some of the deliverables. Commitment by States to support the coordinators and experts.				

**Grey Task not started*

Green Activity underway as scheduled

Yellow Activity started with some delay but expected to be completed on time

Red It has not been possible to implement this activity as scheduled; mitigating measures are required

Timetable in MS Project with the tasks, sub-tasks, deliverables, and responsible parties

G2 - Implantación de sistemas de intercambio de información aeronáutica (AIXM) - Aeronautical Information Systems Data Exchange (AIXM)

ID	Nombre de tarea	Duration	Start	Finish	2011				2012				2013				2014					
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	
1	Implantación de Sistemas de Intercambio de Información Aeronáutica(AIXM)/Aeronautical Information Systems Data Exchange (AIXM)	804 days?	Thu 01/03/12	Tue 31/03/15																		
2	Identificar el estado de implantación sobre el suministro de Documentación Integrada Iaip/Identify status of implementation on the provision of integrated AIP documentation	51 days	Thu 01/03/12	Thu 10/05/12																		
3	Relevamiento de suministro de la IAIP mediante el uso de una tabla/Collection of IAIP provision through the use of a table	51 days	Thu 01/03/12	Thu 10/05/12																		
4	Distribución a los Estados/Distribution to States	51 days	Thu 01/03/12	Thu 10/05/12																		
5	Recolección y Actualización/Collection and updating	29 days	Thu 01/03/12	Tue 10/04/12																		
6	AIP Electrónico/Electronic AIP	32 days	Thu 01/03/12	Fri 13/04/12																		
7	Recolección de experiencias en los Estados de la Región SAM/Collection of experiences in the SAM Region States	32 days	Thu 01/03/12	Fri 13/04/12																		
8	Modelo de Intercambio de Información Aeronáutica (AIXM)/Aeronautical Information Exchange Management (AIXM)	563 days?	Thu 31/01/13	Tue 31/03/15																		
9	Dar seguimiento al desarrollo los SARPs de la OACI sobre el modelo de intercambio de información aeronáutica/Give follow-up to the development of ICAO SARPs on the aeronautical information exchange model	218 days	Thu 31/01/13	Tue 03/12/13																		
10	Seminario AIXM/AIXM Seminar	71 days	Wed 26/03/14	Thu 03/07/14																		
11	Elaborar material guía acerca del concepto/Prepare guidance material about the concept	71 days	Thu 21/08/14	Fri 28/11/14																		
12	Desarrollar Plan de Acción AIXM/Develop AIXM Action Plan	67 days?	Fri 28/11/14	Tue 03/03/15																		
13																						
14																						
15		173 days?	Fri 01/08/14	Tue 31/03/15																		