



**Agenda Item 7: Operational implementation of new ATM automated systems and integration of the existing ones**

**Follow-up to the Operational Interconnection of Automated Systems**

(Presented by the Secretariat)

**SUMMARY**

This working paper presents updated information on the status of implementation of the interconnection of automated systems between adjacent ACCs, especially the implementation of AIDC, considered to be a regional priority in the Bogota Declaration, and a requirement for safety enhancement in the SAM Region.

**References**

- Report of the Fourteenth workshop/meeting of the SAM Implementation Group (SAM/IG/14) (Lima, Peru, 21-25 April 2014)
- Summary of teleconferences held on 29 May, 6 June, 19 June, and 14 October 2014

*ICAO strategic objectives:*

*A – Safety*

*B – Air navigation capacity and efficiency*

**1 Background**

1.1 The purpose of the interconnection of automated systems in adjacent ACCs is to reduce the risk of aeronautical incidents caused by coordination activities between centres, while improving planning for an efficient control of flights from/to the corresponding flight information regions (FIRs).

1.2 The required interconnection of automated systems consists of the implementation of radar data exchange using the ASTERIX (*All Purpose Structured Eurocontrol Surveillance Information Exchange*) format and IP (Internet Protocol) communication protocols, as well as the implementation of the automated transfer of flight plans between automated centres through ATS Interfacility Data Communications (AIDC).

1.3 The SAM/IG meetings are doing the follow-up to the interconnection of automated systems and, thanks to the support of project RLA/06/901, experts from the Region and the industry have developed guides to support implementation, and have conducted missions to the States and training events.

1.4 As a follow-up to the implementation of activities for the interconnection of automated systems between adjacent ACCs, the SAM/IG/13 meeting was apprised of the progress made in the implementation of radar data exchange and AIDC.

1.5 In this regard, the SAM/IG automation group considered that, given the problems experienced with the use of the ASTERIX 62 and 63 protocol for the exchange of radar data, for the time being, the interconnection of radar data between Brazil and the adjacent States that have the INDRA system installed will not take place until such time that an implementation solution suitable for the two parties is found.

1.6 In this sense, the States involved in these interconnections updated the Memoranda of Understanding, giving priority to AIDC implementation between adjacent ACCs.

## 2 Discussion

2.1 The AIDC service between adjacent ACCs has not been implemented yet in the SAM Region. Successful operational trials have been conducted between Argentina-Paraguay (March 2014) through their AMHS development systems. Likewise, AIDC trials were conducted, with partially successful results, between Argentina-Chile, Chile-Peru, Colombia-Ecuador, Colombia-Panama, Colombia-Peru, and Ecuador-Peru (February–October 2014).

2.2 Regarding the AIDC service, and in accordance with the Bogota Declaration, the goal is to implement 15 interconnections. Implementations during the period 2013-2015 are distributed as follows: 1 in 2013, 8 in 2014, and 6 in 2015. **Appendix A** to this working paper contains the interconnections to be implemented and their estimated dates.

2.3 According to information obtained during the teleconference held on 15 October 2014, positive operational AIDC trials were conducted between the Bogota ACC and the Panama ACC. Likewise, it was reported that, within Colombia, AIDC had already been implemented and was operational between some recently modernised ATS units. A summary of the progress made in AIDC implementation is presented in **Appendix B** to this working paper. It is expected that, at this Meeting, States will report on the status of implementation of AIDC, describing the difficulties encountered.

2.4 Technical and operational personnel are coordinating the implementation of automated systems in the SAM Region. A list of this staff (focal points) is shown in **Appendix C** to this working paper.

2.5 Taking into account the results obtained to date and in order to support States that have not been able to complete AIDC interconnection trials, it is proposed that the Meeting study the possibility of implementing a programme of missions and training in 2015 in those States that have had difficulties in the completion of AIDC trials.

2.6 Missions to each of the States in question would last two weeks: the first week to complete the technical implementation of AIDC between automated systems of adjacent ACCs (review of database programming, verification of links and the required coupling with AMHS or AFTN, and other related issues), and the second week to conduct an AIDC course for ATS personnel of the ACC that is using the application and for staff responsible for programming the databases of automated systems. The mission would include two professionals with proven experience in AIDC installation and operation.

2.8 Furthermore, taking into account the importance of starting AIDC operations in the Region, at least in some ACCs that have completed AIDC technical implementation, the SAM/IG/15 and SAM/IG/16 meetings should consider AIDC implementation as a matter of priority that requires the technical and operational presence of the States involved.

2.9 Detailed information on the 2015 plan of activities is provided in **Appendix D** to this working paper, indicating the sites where missions would be conducted, their estimated dates, as well as meetings and events required to support AIDC operational implementation in the Region.

2.10 The Meeting should analyse the proposal, so that it may be submitted to the approval of the Eighth meeting of the Coordination Committee (RCC/8) to be held in Lima, Peru, on 25-27 February 2015.

### **3 Suggested action**

The Meeting is invited to:

- a) take note of the information provided herein;
- b) analyse that stated in section 2 of this working paper, especially the 2015 plan of activities contained in **Appendix D** to this working paper; and
- c) discuss any other related issues it may deem appropriate.

## APPENDIX A

**INTERCONNECTION OF AUTOMATED SYSTEMS /  
INTERCONEXIÓN SISTEMAS AUTOMATIZADOS**

State/ Estado	AIDC and Radar Data Interconnection Requirements/ Requerimientos de Interconexión AIDC y Datos Radar	MoU Date of Implementation/ Fecha Implantación MoU	AIDC and Radar Data Interconnection Date/ Fecha Interconexión AIDC y Datos Radar	Remarks/ Observaciones
Argentina	Bolivia	TBD	TBD	Bolivia has no automated systems/ Bolivia no cuenta con sistemas automatizados
	Brazil/Brasil	2009	Aug 2014 (AIDC) Radar Interconnection TBD/ Interconexión radar TBD	MoU implemented. Re-schedule date/ MoU implantado. Reprogramar fecha
	Chile	2010	Jul 2014	MoU implemented. Re-schedule interconnection date April 2015/ MoU implantado. Se reprograma fecha de interconexión abril 2015
	Paraguay	May 2014	Dec 2014	Re-schedule date since ACC's Resistance has not an automated system implemented yet. Successful AIDC test with Ezeiza/ Reprogramar fecha en vista que el ACC de Resistencia no tiene implantado todavía un sistema automatizado. Pruebas AIDC realizadas con éxito con Ezeiza.
	Uruguay	2009	Jun 2014	MoU implemented. AIDC training carried out. Re-schedule AIDC installation date required/ MoU implantado. Se realizó entrenamiento AIDC. Se requiere reprogramar fecha de instalación del AIDC
Bolivia	Argentina	TBD	TBD	Bolivia has no automated systems/ Bolivia no cuenta con sistemas automatizados
	Brazil/Brasil	TBD	TBD	
	Chile	TBD	TBD	
	Paraguay	TBD	TBD	
	Peru/Perú	TBD	TBD	
Brazil/Brasil	Argentina	2009	Aug 2014 Radar Interconnection TBD/ Interconexión radar TBD	MoU implemented/ MoU implantado Re-schedule date/ Reprograma fecha
	Bolivia	TBD	TBD	Bolivia has no automated systems/

State/ Estado	AIDC and Radar Data Interconnection Requirements/ Requerimientos de Interconexión AIDC y Datos Radar	MoU Date of Implementation/ Fecha Implantación MoU	AIDC and Radar Data Interconnection Date/ Fecha Interconexión AIDC y Datos Radar	Remarks/ Observaciones
				Bolivia no cuenta con sistemas automatizados
	Colombia	Oct 2014	Jul 2015 Radar Interconnection TBD/  Interconexión radar TBD	
	Guyana	TBD	TBD	Define requirement/ Definir requerimiento
	French Guiana (France)/Guyana Francesa (Francia)	TBD	TBD	Define requirement/ Definir requerimiento
	Paraguay	Oct 2014	Mar 2015 Interconexión radar TBD	
	Peru/Perú	2012	Sep 2014 Interconexión radar TBD	MoU implemented. Re-schedule date in view of Brazil activities during Football Word Cup / MoU implantado. Reprogramar fecha en vista de las actividades de Brasil por el Mundial de Fútbol.
	Suriname/Surinam	TBD	TBD	Define requirement/ Definir requerimiento
	Uruguay	2009	Aug 2014 Interconexión radar TBD	MoU implemented. Re-schedule date for the interconnection implementation / MoU implantado Reprogramar fecha para la implantación de la interconexión
	Venezuela	2011	Dic 2013	MoU implemented/ MoU implantado
Chile	Argentina	2010	Jul 2014	MoU implemented. Re-schedule date for the interconnection April 2015 / MoU implantado. Se reprograma fecha de interconexión abril 2015
	Peru/Perú	Jun 2014	Mar 2015	
Colombia	Brazil/Brasil	Oct 2014 Radar Interconnection TBD/ Interconexión radar TBD	Jul 2015 Radar Interconnection TBD/ Interconexión radar TBD	
	Ecuador	May 2014	Dic 2014	
	Panama/Panamá	May 2014	Dic 2014	
	Peru/Perú	Oct 2014	Jul 2015	
	Venezuela	Dec 2014	Dec/Dic 2015	

State/ Estado	AIDC and Radar Data Interconnection Requirements/ Requerimientos de Interconexión AIDC y Datos Radar	MoU Date of Implementation/ Fecha Implantación MoU	AIDC and Radar Data Interconnection Date/ Fecha Interconexión AIDC y Datos Radar	Remarks/ Observaciones
Ecuador	Colombia	May 2014	Dec/Dic 2014	
	Peru/Perú	Oct 2013	Jun 2014	Re-schedule date / Reprogramar fecha
French Guiana (France)/ Guyana Francesa (Francia)	Brazil/Brasil	TBD	TBD	Define requirement/ Definir requerimiento
	Suriname/Surinam	TBD	TBD	Define requirement/ Definir requerimiento
Guyana	Brazil/Brasil	TBD	TBD	Define requirement/ Definir requerimiento
	Suriname/Surinam	TBD	TBD	Define requirement/ Definir requerimiento
	Venezuela	TBD	TBD	Define requirement/ Definir requerimiento
Panama	Colombia	May 2014	Dec/Dic 2014	
Paraguay	Argentina	May 2014	Dec/Dic 2014	Re-schedule date since ACC's Resistance has not an automated system implemented yet. Successful AIDC test with Ezeiza/ Reprogramar fecha en vista que el ACC de Resistencia no tiene implantado todavía un sistema automatizado. Pruebas AIDC realizadas con éxito con Ezeiza.
	Bolivia	TBD	TBD	Bolivia has no automated systems/ Bolivia no cuenta con sistemas automatizados
	Brasil	Oct 2014 Radar Interconnection TBD/ Interconexión radar TBD	Mar 2015	
Peru	Bolivia	TBD	TBD	Bolivia has no automated systems/ Bolivia no cuenta con sistemas automatizados
	Colombia	Oct 2014	Jul 2015	
	Chile	Jun 2014	Mar 2015	
	Ecuador	Oct 2013	Jun 2014	Re-schedule date / Reprogramar fecha
	Brazil/Brasil	2012	Sep 2014 Radar Interconnection TBD/ Interconexión radar TBD	MoU implemented/ MoU implantado

<b>State/ Estado</b>	<b>AIDC and Radar Data Interconnection Requirements/ Requerimientos de Interconexión AIDC y Datos Radar</b>	<b>MoU Date of Implementation/ Fecha Implantación MoU</b>	<b>AIDC and Radar Data Interconnection Date/ Fecha Interconexión AIDC y Datos Radar</b>	<b>Remarks/ Observaciones</b>
Surinam	Brasil	TBD	TBD	
	French Guiana (France)/Guyana Francesa (Francia)	TBD	TBD	
	Guyana	TBD	TBD	
Uruguay	Argentina	2009	Jun 2014	MoU implemented. AIDC training carried out. Re-schedule AIDC installation date required/ MoU implantado. Se realizó entrenamiento AIDC. Se requiere reprogramar fecha de instalación del AIDC.
	Brazil/Brasil	2009	Aug/Ago 2014 Radar Interconnection TBD/ Interconexión radar TBD	MoU implemented. Re-schedule date for interconnection implementation /MoU implantado Reprogramar fecha para la implantación de la interconexión
Venezuela	Brazil/Brasil	2011	Dec/Dic 2013	MoU implemented/ MoU implantado
	Colombia	Dec/Dic 2014	Dec/Dic 2015	

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## **APPENDIX B**

### **EXTRACT OF THE SUMMARY OF THE TELECONFERENCE ON AIDC INTERCONNECTION CONDUCTED ON 15 OCTOBER 2014**

#### **Follow-up to the implementation of AIDC interconnection**

3. During the teleconference, the participants updated the activities for the implementation of the following interconnections:

- Argentina-Chile
- Peru-Ecuador
- Peru-Chile
- Peru-Colombia
- Colombia-Panama

#### **Argentina-Chile**

3.2 The delegate of Argentina, Javier Vittor, reported that tests with Chile had been interrupted due to problems that the AMHS system of Ezeiza was having to adapt AIDC information of the INDRA AIRCON 2100 system to the AFTN message. The problem lies in the GATEWAY of the AMHS system of Argentina. According to information provided by the delegate of Argentina, the AMHS provider would solve the problem in six months.

3.3 In this regard, the estimated dates of implementation of the AIDC interconnection between the Ezeiza ACC and the Santiago ACC were updated. The delegate of Argentina informed that the problem did not occur if the AIDC was carried through an AMHS link, as demonstrated during the positive operational trials between Ezeiza and Asunción. The interconnection between Argentina and Paraguay would be operational as soon as the new automated system was installed in the Resistencia ACC, scheduled for 2015.

#### **Peru-Ecuador**

3.4 Regarding this interconnection, since the technical and operational representatives of Peru did not participate in the teleconference, the status of implementation was updated by the operational representative of Ecuador, responsible for managing the database of the automated systems in Ecuador (AIRCON 2100), Mr. Jorge Zúñiga. Mr. Zúñiga informed that Ecuador's automated system received AIDC information but continued to have problems with AIDC transmission. This problem occurred not only with the AIDC interconnection with adjacent States (Peru and Colombia) but also internally, between national ATS units (Guayaquil ACC with Quito APP).

3.5 The representative of Colombia in charge of programming the databases of automated systems in Colombia, Mr. Mauricio Ferrer, offered to assist Ecuador, based on the experience gained in AIDC implementation within Colombia and on initial positive AIDC trials with Panama.

3.6 In this regard, coordination had started between Ecuador and Colombia to begin trials between the Guayaquil ACC (simulator) and the AIDC of the Bogota ACC (simulator). Trials would start this

week, under the coordination of Mr. Mauricio Ferrer, of Colombia, and Mr. Jorge Zúñiga, of Ecuador. It is important to report the results of these trials to the ICAO SAM Regional Office.

**Peru-Chile**

3.7 Regarding the AIDC interconnection between Peru and Chile, the delegate of Chile, Mr. Pedro Pastrian, noted that the automated system of Chile, which had been prepared for AIDC, had sent AIDC messages to Peru but had not received any acknowledgment of receipt from Peru.

**Peru-Colombia**

3.8 As to this interconnection, no activities were reported. In this regard, the representative of Colombia, Mr. Mauricio Ferrer, was invited to participate in the teleconference in order to coordinate with the focal point of Peru to continue interconnection trials this month of October 2014 and inform the SAM Office on progress made in the implementation of this interconnection.

**Colombia-Panama**

3.9 In this regard, the delegate of Colombia, Mr. Mauricio Ferrer, and the delegate of Panama, Mr. Mario Licey, reported on the positive AIDC interconnection trials conducted between the Bogota ACC and the Panama ACC. They also noted that, in the course of this month of October 2014, they would complete AIDC operational trials between the aforementioned ACCs.

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**APPENDIX C**

**NATIONAL FOCAL POINTS  
IMPLEMENTATION OF INTERCONNEXION OF AUTOMATIZATION SYSTEMS**

STATE	ADMINISTRATION	NAME	POST	TELEPHONE NUMBER	E-MAIL ADDRESS
ARGENTINA	DGSTA	Ruben Siva	Especialista ATM sistemas automatizados		<a href="mailto:ruben@assistcomp.com.ar">ruben@assistcomp.com.ar</a>
		Mario Correa	Jefe sistemas automatizados ATS	(54 11) 4317-6015	<a href="mailto:mario_correa@yahoo.com.ar">mario_correa@yahoo.com.ar</a>
	ANAC	Javier Vittor	Especialista CNS	(54 11) 4480-2362 (54 911) 6894-0692	<a href="mailto:javiervittor@gmail.com">javiervittor@gmail.com</a>
BOLIVIA					
BRAZIL	DECEA	Alexander Santoro	Especialista CNS		<a href="mailto:santoroas@decea.gov.br">santoroas@decea.gov.br</a>
		Murilo Loureiro	Asesor sistemas automatizados		<a href="mailto:murilo.loureiro@gmail.com">murilo.loureiro@gmail.com</a>
COLOMBIA	UAEAC	Mauricio Ferrer	Especialista ATM sistemas automatizados		<a href="mailto:mauricio.ferrer@aerocivil.gov.co">mauricio.ferrer@aerocivil.gov.co</a>
		Mario Rosas	Jefe sección radar	(57 31) 7656-7203	<a href="mailto:mario.rosas@aerocivil.gov.co">mario.rosas@aerocivil.gov.co</a>
CHILE	DGAC	Pedro Pastrian	Especialista radar y sistemas automatizados	(56 2) 836-4005 (56 2) 644-8345	<a href="mailto:ppastrian@dgac.gob.cl">ppastrian@dgac.gob.cl</a>
		Christian Vergara	Especialista comunicaciones	(56 2) 836-4005 (56 2) 644-8345	<a href="mailto:cvergara@dgac.gob.cl">cvergara@dgac.gob.cl</a>
ECUADOR	DAC	Raul Avellan	Especialista CNS coordinador sistema AMHS	(593 4) 269-2829 (593 9) 9530-2735	<a href="mailto:raul.avellan@aviacioncivil.gob.ec">raul.avellan@aviacioncivil.gob.ec</a>
		Juan Poalasin	(Programación FDP y coordinaciones)		<a href="mailto:juan.poalasin@aviacioncivil.gob.ec">juan.poalasin@aviacioncivil.gob.ec</a>
GUYANA					
FRENCH GUIANA					
PANAMA	Autoridad Aeronáutica Civil (AAC)	Mario Antonio Facey Howard	Especialista radar y sistemas automatizados	(507) 501-9865	<a href="mailto:mfacey@aeronautica.gob.pa">mfacey@aeronautica.gob.pa</a>

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STATE	ADMINISTRATION	NAME	POST	TELEPHONE NUMBER	E-MAIL ADDRESS
PARAGUAY	DINAC	David Torres	Jefe de Sección, Encargado del Sistema ATM ARCON2100	(595) 9812-31575	<a href="mailto:dr.torres33@gmail.com">dr.torres33@gmail.com</a>
		Diego Ramon Aldana Fernandez	Supervisor ACC/APP	(595) 21 645-707	<a href="mailto:diegoaldana@gmail.com">diegoaldana@gmail.com</a>
		Enrique Alfredo Sánchez	Supervisor ATS	(595) 9948-80924	<a href="mailto:esanchez69@gmail.com">esanchez69@gmail.com</a>
PERU	CORPAC	Johnny Avila	Jefe sección radar y sistemas automatizados		<a href="mailto:javila@corpac.gob.pe">javila@corpac.gob.pe</a>
		Jorge Eduardo Merino Rodríguez	Especialista ATM Controlador de Tránsito Aéreo	(51 1) 414-1000	<a href="mailto:jmerino@corpac.gob.pe">jmerino@corpac.gob.pe</a> <a href="mailto:jemr69@yahoo.com">jemr69@yahoo.com</a>
SURINAME					
URUGUAY	DINACIA	Antonio Lupacchino	Especialista CNS sistemas automatizados		<a href="mailto:alupacch@yahoo.com.ar">alupacch@yahoo.com.ar</a>
VENEZUELA	INAC	Wilfredo Gil	Jefe del ACC de Maiquetía		<a href="mailto:willjet66@gmail.com">willjet66@gmail.com</a>

## APPENDIX D

## 2015 PLAN OF ACTIVITIES FOR AIDC IMPLEMENTATION

	Start	End	Responsible party	Remarks
<b>1. Establishment of activities to complete the technical implementation of AIDC</b>	<b>10/10</b>	<b>16/10</b>	<b>ICAO</b>	
1.1 Based on the results of AIDC trials conducted between February 2014 and June 2014; the technical documentation of automated systems installed in the Region; and the AIDC implementation guide developed in the SAM Region, draft:  1.1.1 Plan of activities to complete the technical feasibility trials for AIDC interconnection between: Santiago ACC and Lima ACC Guayaquil ACC and Lima ACC Bogota ACC and Guayaquil ACC  1.1.2 Syllabus of AIDC course for ATS controllers and AIDC database programmers, to be conducted in Chile, Colombia, Ecuador, and Peru.	10/10	16/10	ICAO	
<b>2. Review of SAM/IG/14 meeting activities</b>	<b>09/10</b>	<b>13/11</b>	<b>ICAO and SAM/IG</b>	
2.1 Presentation of plan of activities and AIDC course syllabus at the SAM/IG/14 meeting	09/10	13/11	ICAO	
2.2 Review and approval for submission to the Eighth Coordination Meeting of Project RLA	09/10	13/11	SAM/IG	
<b>3. Approval of RCC/8 meeting activities</b>	<b>25/02/15</b>	<b>27/02/15</b>	<b>RLA/06/901 member States</b>	
3.1 Presentation of activities for approval, with their respective cost	25/02/15	27/02/15	RLA/06/901 member States	

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	Start	End	Responsible party	Remarks
<b>4. Search for, and selection of, experts</b>	<b>24/11/14</b>	<b>28/01/15</b>	<b>ICAO</b>	
4.1 Search for, and selection of, 4 experts from Project RLA/06/901 member States of the SAM Region, with experience in AIDC installation, operation, and database programming, to be responsible for the activities described in item 1.	24/11/14	30/01/15	ICAO	
<b>5. Missions to complete AIDC interconnection between States that begun trials during the first half of 2014</b>	<b>09/03/15</b>		<b>4 automation experts</b>	Missions proposed based on the results of AIDC trials conducted between February and June 2014 <b>Santiago ACC-Lima ACC</b> <b>Guayaquil ACC-Lima ACC</b> <b>Bogota ACC-Lima ACC</b>
5.1 <i>Mission to Santiago, Chile, by two automation experts, to:</i>	<b>16/03/15</b>	<b>27/03/15</b>	<b>2 automation experts from the SAM Region</b>	<b>AIDC implementation Santiago ACC-Lima ACC</b>
5.1.1 Complete technical implementation of AIDC between the Santiago ACC and the Lima ACC	16/03/15	20/03/15	2 automation experts from the SAM Region	
5.1.2 Conduct AIDC course for ATS personnel of the Santiago ACC	23/03/15	27/03/15		
5.2 <i>Mission to Lima by two automation experts, to:</i>	<b>09/03/15</b>	<b>13/03/15</b>	<b>2 automation experts from the SAM Region</b>	<b>AIDC implementation Santiago ACC-Lima ACC</b>
5.2.1 Conduct AIDC course for ATS personnel of the Lima ACC	09/03/15	13/03/15	2 automation experts	
5.3 <i>Mission to Guayaquil by two automation experts, to:</i>	<b>06/04/15</b>	<b>17/04/15</b>	<b>2 automation experts from the SAM Region</b>	<b>AIDC implementation Guayaquil ACC-Lima ACC</b>
5.3.1 Complete technical implementation of AIDC between the Guayaquil ACC and the Lima ACC	06/04/15	10/04/15	2 automation experts from the SAM Region	
5.3.2 Conduct AIDC course for ATS personnel of the Guayaquil ACC	13/04/15	17/04/15		

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	Start	End	Responsible party	Remarks
5.4 <b>Mission to Lima by two automation experts, to:</b>	<b>09/03/15</b>	<b>13/03/15</b>	<b>2 automation experts from the SAM Region</b>	<b>AIDC implementation Guayaquil ACC–Lima ACC</b>
5.4.1 Conduct AIDC course for ATS personnel of the Lima ACC (same as 5.2.1)	09/03/15	13/03/15	2 automation experts	
5.5 <b>Mission to Bogota by two automation experts, to:</b>	<b>20/04/15</b>	<b>30/04/15</b>	<b>2 automation experts from Peru</b>	<b>AIDC implementation Bogota ACC–Guayaquil ACC</b>
5.5.1 Complete technical implementation of AIDC between the Bogota ACC and the Guayaquil ACC	20/04/15	24/04/15	2 automation experts from the SAM Region	
5.5.2 Conduct AIDC course for ATS personnel of the Bogota ACC	27/04/15	30/04/15		
5.6 <b>Mission to Guayaquil by two automation experts, to:</b>	<b>20/04/15</b>	<b>24/04/15</b>	2 automation experts from the SAM Region	<b>AIDC implementation Bogota ACC–Guayaquil ACC</b>
5.6.1 Complete technical implementation of AIDC between the Guayaquil ACC and the Bogota ACC	20/04/15	24/04/15	2 automation experts from the SAM Region	
5.6.2 Conduct AIDC course for ATS personnel of the Guayaquil ACC (same as 5.3.2)	13/04/15	17/04/15		
<b>6. First meeting of the AIDC operational implementation working group during the SAMIG/15 meeting</b>	<b>11/05/15</b>	<b>15/05/15</b>	<b>RLA/06/90 member States</b>	
6.1 It is proposed that, as a matter of priority, AIDC implementation be monitored and reported to the SAM/IG/15 meeting; accordingly, the first meeting of the AIDC operational implementation working group will be held	11/05/15	15/05/15	RLA/06/901 member States	Based on the technical implementation of AIDC, the Meeting will develop a regional AIDC operational implementation plan, defining mode of operation and messages to be used, in

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	Start	End	Responsible party	Remarks
				accordance with the AIDC guide drafted in the SAM Region. One fellowship is required per State, for personnel in charge of AIDC operational implementation in the States
<b>7- Operational implementation of AIDC</b>	<b>18/05/15</b>	<b>31/12/15</b>	States involved	
7.1 Start operational implementation of AIDC Lima ACC-Santiago ACC Guayaquil ACC-Lima ACC Bogota ACC-Guayaquil ACC Other operational implementations Resistencia ACC-Asunción ACC Ezeiza ACC-Santiago ACC Ezeiza ACC-Montevideo ACC	18/05/15	31/12/15	<b>States involved</b>	
<b>8. Workshop for the implementation of ATM automation, ADS B, and multilateration</b>	<b>21/09/15</b>	<b>26/09/15</b>	ICAO	CAR/SAM workshop to review the implementation of inter-regional AIDC interconnections (one fellowship is required per State)
<b>9. Second meeting of the AIDC operational implementation working group during the SAMIG/16 meeting</b>	<b>19/10/15</b>	<b>23/10/15</b>	<b>ICAO</b>	
9.1 It is proposed that, as a matter of priority, AIDC implementation be monitored and reported to the SAM/IG/16 meeting; accordingly, the second meeting of the AIDC operational implementation working group will be held.	<b>19/10/15</b>	<b>23/10/15</b>	<b>ICAO</b>	Follow-up to operational implementation as foreseen, and programming of activities for operational implementation in 2016