



Agenda

Item 2: Follow-up to the performance of AIDC operation and results of the AIDC interconnection trials in the SAM Region

FOLLOW-UP TO THE IMPLEMENTATION OF ACTIVITIES RELATED TO AIDC INTERCONNECTION BETWEEN ADJACENT ACCs IN THE SAM REGION

(Presented by the Secretariat)

SUMMARY	
This working paper presents information on the progress made to date in the implementation AIDC in the SAM Region.	
REFERENCES:	
<ul style="list-style-type: none">• Report on the First meeting on AIDC implementation (Lima, Peru, 28-30 March 2016)• Report on the Second meeting on AIDC implementation (Lima, Peru, 21-23 September 2016)• Report on the Eighteenth SAM workshop/implementation meeting (SAM/IG/18 Lima, Peru, 17-21 October 2016)• Summary of the teleconference to follow/up the AIDC implementation carried out on March 3 2017.	
ICAO strategic objectives:	<i>A – Safety</i> <i>B – Air navigation capacity and efficiency</i>

1. Introduction

1.1 The meetings of AIDC implementation aimed to review, improve and complete the AIDC implementation planning in the ATS units as well as the AIDC interconnection between ATS units. Likewise study, evaluate, propose measures and monitor the implementation of the AIDC interconnection between adjacent ACCs in the SAM Region and present advances in the implementation of the AIDC and interconnection AIDC between ACCs adjacent to the Group of automation of Group of implementation SAM (SAM/IG meetings) and this in turn to the Coordinator of the project C1 automation ATM SAM. These objectives respond to the requirements of module B0-FICE of the GANP and the Performance based air navigation implementation plan (PBIP).

1.2 As a result of the previous two AIDC implementation meetings, the implementation planning documents were reviewed as well as the analysis of the flight plan availability, the follow-up to the AIDC operations performance and the revision of the action plan for the AIDC implementation interconnection.

2. Analysis

Guide for AIDC implementation through the interconnection of automated centres

2.1 The SAM/IG/18 Meeting reviewed the amendments to the *Guide for AIDC implementation through the interconnection of automated centres*, which were incorporated after the Second meeting on AIDC implementation (AIDC/2). The amendments introduced some corrections and updates, as well as 3 new appendices: Appendix A – Communications and support mechanisms, Appendix C – Model procedures for conducting AIDC exchange trials, and Appendix D – AIDC operation manual, and PAC and MAC messages within the minimum AIDC message set, as well as the introduction of PAC and MAC messages into the AIDC minimum messages set.

2.2 During the review made in the SAM/IG/18 meeting, an inconsistency was found in the table in section 2.2.3 – 1):

- It reads: ABI, CPL, CDN, FPL, EST, ACP, LAM, LRM, RJC, TOC, AOC
- It should read: FPL, ABI, CPL, EST, CDN, ACP, REJ, PAC, MAC

2.3 After the corresponding review and correction, the SAM/IG/18 Meeting approved the update of the *Guide for AIDC implementation through the interconnection of automated centres*. The updated guide was uploaded in the ICAO SAM Office website, e-Document section http://www2010.icao.int/SAM/Pages/ES/eDocumentsDisplay_EN.aspx?area=CNS. However, the SAM/IG/18 Meeting recommended that in the next version of the Guide, the main body should be more concise, focusing on information that was relevant for implementation.

Activities for the implementation of AIDC interconnection between adjacent ACCs in the SAM Region

Argentina

2.4 AIDC between Cordoba ACC and Ezeiza ACC continues in pre operational phase. The Secretariat was informed that by the end of April 2017 the AIDC between above-mentioned ACCs will be in operational phase. In addition, during 2017 Argentina will begin AIDC operations in all its local ACCs; once this activity is completed will continue with the AIDC implementation with ACCs of adjacent States. During the week of 28 November 2016 AIDC test were satisfactorily conducted between Resistencia ACC and Asuncion ACC.

Bolivia

2.5 It is expected that by the end of 2017 the main ATS units of Bolivia (including La Paz ACC) begin automation operations. Once La Paz ACC starts automation operations, Bolivia will begin coordination with ACCs from adjacent States to perform AIDC tests.

Brazil

2.6 The Meeting acknowledged the significant progress made by Brazil with respect to the implementation of AIDC between its domestic ACCs and their transition to the operational phase. The following AIDC interconnections were conducted from May to July 2016 and were reported to the AIDC/2 Meeting:

ACC	AIDC implementation date
Curitiba – Recife	July 2016
Recife – Brasilia	June 2016
Curitiba – Brasilia	July 2016
Curitiba – Amazónica	July 2016
Amazónica – Brasilia	June 2016
Amazónica – Recife	May 2016

2.7 Regarding the implementation of AIDC interconnection between the Atlántico ACC and adjacent domestic ACCs, Brazil reported to the AIDC/2 and SAM/IG/18 meeting that its implementation was foreseen for the first half of 2017.

Chile

2.8 During the teleconference of 3 March 2017, Chile informed that the personnel of Iquique ACC involved the AIDC has already been trained are is ready to carry out tests between Iquique ACC and Lima ACC. On this respect Peru informed to the ICAO SAM Office (through letter MTC CORPAC S.A. GCA. GT.7.2.050.2017/04 dated 10 March 2017) that, in view that Lima ACC has a contract with INDRA systems S.A. for the updating of the automation system, the AIDC tests between Lima ACC and Iquique ACC will be conducted from 19 to 23 June 2017. At the same time, the focal point of Chile reported in the same teleconference the decision of completing the AIDC test between Puerto Mont ACC and Punta Arenas ACC with Comodoro Rivadavia ACC and migrates to AIDC pre-operational phase between Iquique ACC and Cordova ACC in view of the successful results of the tests. The AIDC interconnections from the Santiago ACC shall be made with the implementation of the new automated system in Santiago ACC during the period 2017-2019.

Colombia

2.9 No progress made from AIDC/2 meeting. AIDC domestic and inter-regional interconnections remain in pre-operational phase.

Ecuador

2.10 During the teleconference of March 3, Ecuador reported on the operational implementation of AIDC between Guayaquil ACC and Quito ACC, being signed on this respect, an amendment to the operational letter of agreement on 1 February 2017. Likewise, Guayaquil ACC and CENAMER are currently performing positive AIDC test, coordination will continue for pre-operational status. Regarding AIDC operations between Lima ACC and Guayaquil ACC, it was interrupted in operational phase until the update of the automation systems of Lima ACC scheduled for October 2017.

French Guiana

2.11 AIDC implementation with ACCs of adjacent States is foreseen for the period 2017-2019.

Guyana

2.12 AIDC implementation with ACCs of adjacent States is foreseen for the period 2017-2019.

Panamá

2.13 During the teleconference of March 3, the Focal Point of Panama reported that no progress has been made in the AIDC operation with adjacent ACCs with respect to the last teleconference made on September 2016. AIDC tests with adjacent ACCs will continue once the automated system provided of Bogota (Thales) complete the updating of the software acquired. No date has been indicated for the completion of this activity.

Paraguay

2.14 Thanks to the support of regional Project RLA/06/901 from 28 November to 2 December 2016 a practical course on AIDC was delivered to ACC Asuncion controllers. 26 ATCOs and 2 CNS technicians were trained in the correct use of AIDC as coordination tool. The course was imparted by AIDC experts from Argentina and Peru. During the same week, AIDC tests were conducted between Asuncion ACC and Resistencia ACC.

Perú

2.15 Technical Focal Point of Peru informed on the teleconference of March 3, the beginning of activities for the updating of the ACC automation system which is expected to be concluded on October 2017 (or before). This new system will let solve the problems identified.

2.16 Considering the updating process in the ACC Lima automated system, Peru will perform new tests with the following ACC (information reported by letter MTC CORPAC S.A. GCA.GT.7.2.050.2017/04, dated 10 March 2017):

Bogotá AIDC tests from 12 to 16 June 2017

Iquique AIDC tests from 19 to 23 June 2017

Guayaquil AIDC tests from 26 to 30 June 2017

Suriname

2.17 AIDC implementation with ACCs of adjacent States is foreseen for the period 2017-2019.

Uruguay

2.18 AIDC implementation with ACCs of adjacent States is foreseen for the period 2017-2019.

Venezuela

2.19 AIDC implementation with ACCs of adjacent States is foreseen for the period 2017-2019.

AIDC interregional interconnections activities

2.20 During the AIDC/2 meeting, Panama reported that the CENAMER ACC authorities submitted to the aeronautical administration of Panama a draft letter of operational agreement between the Panama ACC and CENAMER, which is currently being reviewed by Panama prior to signing it.

2.21 Operational trials between the Panama ACC and CENAMER have been conducted using a test protocol established between the parties, but could not be completed due to failure of the automated

system (Top Sky de Thales) of the Panama ACC. An update of the automated system of the Panama ACC was foreseen for the first quarter of 2017. It was expected that by the end of the first half of 2017, the AIDC between the Panama ACC and CENAMER would be in the operational phase. Panama also reported that they had started coordination between Panama and Jamaica for AIDC implementation between the Panama ACC and the Kingston ACC. Interconnection trials between the Guayaquil ACC and CENAMER were still pending.

2.22 As to inter-regional AIDC interconnections, note was taken of initial coordination between the SAM and AFI Regions to meet the requirements for AIDC implementation between the two Regions.

Status of implementation of the AIDC interconnection in accordance with the Declaration of Bogota

2.23 Taking into account AIDC interconnections that are in the pre-operational and operational phase, the Meeting noted that 11 AIDC interconnections had been implemented to date, reaching 73.33% of all (15) AIDC interconnections foreseen and contemplated in the Declaration of Bogota.

2.24 It should be noted that 6 out of the 11 AIDC interconnections already implemented corresponded to AIDC interconnections between internal ACCs of Brazil. It is extremely important to complete the remaining AIDC interconnections between the States of the Region.

2.25 The SAM/IG/18 meeting expressed its concern for the delay in AIDC implementation and the implications for the States in case such delays were to persist, in view of the investments on equipment and training of the personnel involved, for the purpose of meeting the regional commitments undertaken by all the States of the Region in the Declaration of Bogota to increase safety in the Region. In this sense, the Meeting urged the States of the Region to fulfil the commitments assumed in the Declaration of Bogota and to carry out AIDC activities on the dates agreed.

2.26 The AIDC interconnection requirements of the SAM Region including its status of implementation and dates are presented as **Appendix A** to this Working Paper. **Appendix B** presents the list of AIDC focal points.

Lessons learned

2.27 After the analysis of the AIDC performance in the Lima ACC, the SAM/IG/18 Meeting made the following recommendations to avoid errors:

- Set the delivery time of EST messages as to not coincide with the uncertainty zone of monitoring systems.
- Take the necessary measures to eliminate from the route, the silence cone and the uncertainty zone while sending EST and COP messages (transference point). These measures can include the inclusion of new sensors or exchange of radar data with the adjacent FIR.
- States with Aircon 2100 system should update it to the last version.

2.28 Based on the recommendations above, and in prevention of errors, the following decisions were taken:

- Reduce time in the preparation of EST messages from 30 to 20 minutes between Lima and Guayaquil FIRS. This measure was already taken on September and was successfully tested.
- Take strategic measures to enroute aircrafts out of the silence cone.

3. Suggested action

1.2 The Meeting is invited to:

- a) Take note of the information presented herein;
- b) review the progress in the implementation of AIDC interconnection activities between adjacent ACCs in the SAM Regions described in Section 2 and Appendix A;
- c) update the list of focal points presented in Appendix B and
- d) discuss any other matter it may deem appropriate.

APPENDIX A

(AIDC) GROUND-GROUND DATA INTERCONNECTION LEVEL REQUIREMENTS IN THE SAM REGION

ARGENTINA						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels *				
		1 4444 Manual	2 4444 Auto	3 (OLDI)	4 (AIDC)	
CORDOBA (AUT. INDRA AIRCON2100) (2007)	IQUIQUE	XI			X	Positive AIDC trials - March 2016 As a result of the trials, the transmission speed has to be incremented from 2400 to 9600 bit/seg AIDC foreseen to be operational at the end of the second semester of 2017
	LA PAZ	XI			X	AIDC foreseen for period 2017-2019
	EZEIZA	XI			XI	AIDC in pre-operational phase since December 2015. Operational phase foreseen by the first semester of 2017 (end of April)
	MENDOZA	XI			X	AIDC pre-operational by the first semester of 2017
	RESISTENCIA	XI			X	AIDC pre-operational by the first semester of 2017
RESISTENCIA (AUT. INDRA AIRCON2100) (June 2016)	ASUNCION	XI			X	Positive AIDC trials were conducted on the week of 28 November 2016 AIDC foreseen to be operational by the end of the second semester of 2017
	CORDOBA	XI			X	AIDC pre-operational by the first semester of 2017
	CURITIBA	XI			X	AIDC foreseen by the second semester of 2017
	EZEIZA	XI			X	AIDC pre-operational by the first semester of 2017
	MONTEVIDEO	XI			X	AIDC foreseen by the end of the second semester of 2017
EZEIZA (AUT. INDRA AIRCON2100) (2007)	COMODORO RIVADAVIA	XI			X	AIDC pre-operational by the first semester of 2017
	MENDOZA	XI			X	AIDC pre-operational by the first semester of 2017
	PUERTO MONTT	XI			X	AIDC by the end of the second semester of 2017

	CORDOBA	XI			XI	AIDC in pre-operational phase since December 2015. Operational phase foreseen by the first semester of 2017 (April 2017)
	RESISTENCIA	XI			X	AIDC pre-operational by the first semester of 2017
	JOHANNESBURG	XI			X	AIDC tests foreseen by the end of second semester of 2017
	MONTEVIDEO	XI			X	AIDC foreseen by the end of the second semester of 2017
MENDOZA (AUT INDRA AIRCON2100) (June 2016)	EZEIZA	XI			X	AIDC pre-operational by the first semester of 2017
	SANTIAGO	XI			X	AIDC foreseen for period 2017-2019
	CORDOBA	XI			X	AIDC pre-operational by the second semester of 2017
COMODORO RIVADAVIA (AUT INDRA AIRCON2100) (June 2016)	EZEIZA	XI			X	AIDC pre-operational by the first semester of 2017
	PUNTA ARENAS	XI			X	AIDC by the end of the second semester of 2017
	PUERTO MONTT	XI			X	AIDC by the end of the second semester of 2017

BRAZIL						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 4444 Auto	3 (OLDI)	4 (AIDC)	
AMAZÓNICO (MANAUS) AUTO. SAGITARIO ATECH	BRASILIA	XI			XI	AIDC implemented June 2016
	BOGOTÁ	XI			X	AIDC operational foreseen by the end of the first semester of 2017
	CURITIBA	XI			XI	AIDC implemented July 2016
	GEORGETOWN	XI			X	AIDC foreseen for period 2017-2019
	LA PAZ	XI			X	AIDC foreseen for period 2017-2019
	LIMA	XI			X	AIDC foreseen by the end of the first semester of 2017
	MAIQUETIA	XI	X		X	AIDC foreseen for period 2018-2019
	PARAMARIBO	XI			X	AIDC foreseen for period 2017-2019

	RECIFE	XI			X	AIDC implemented since 2 May 2016
	CAYENNE	XI			X	AIDC foreseen for period 2017-2019
	ATLÂNTICO	XI			X	May 2017
BRASILIA AUTO. SAGITARIO ATECH	AMAZÔNICO	XI			XI	AIDC implemented June 2016
	CURITIBA	XI			XI	AIDC implemented July 2016
	RECIFE	XI			XI	AIDC implemented June 2016
CURITIBA AUTO. SAGITARIO ATECH	AMAZONICO	XI			XI	AIDC implemented July 2016
	ASUNCION	XI			X	AIDC foreseen by the end of the first semester of 2017
	BRASÍLIA	XI			Xi	AIDC implemented July 2016
	LA PAZ	XI			X	AIDC foreseen for period 2017-2019
	MONTEVIDEO	XI			X	AIDC foreseen for the first semester of 2017
	RECIFE	XI			XI	AIDC implemented July 2016
	RESISTÊNCIA	XI			X	AIDC foreseen by the end of the first semester of 2017
	ATLÂNTICO	XI			X	May 2017
RECIFE AUTO. SAGITARIO ATECH	AMAZÔNICO	XI			X	AIDC Implemented on 2 May 2016
	BRASÍLIA	XI			XI	AIDC implemented June 2016
	CURITIBA	XI			XI	AIDC implemented July 2016
	ATLÂNTICO	XI			X	May 2017
ATLÂNTICO AUTO. SAGITARIO ATECH	AMAZÔNICO	XI			X	May 2017
	CURITIBA	XI			X	May 2017
	DAKAR	XI			X	AIDC TBD
	JOHANNESBURG	XI			X	AIDC TBD
	LUANDA	XI			X	AIDC TBD
	MONTEVIDEO	XI			X	AIDC foreseen for period 2017-2019
	RECIFE	XI			X	May 2017
	CAYENNE	XI			X	AIDC foreseen for period 2017-2019

BOLIVIA						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 4444 Auto	3 (OLDI)	4 (AIDC)	
LA PAZ (MANUAL)	AMAZÔNICO	XI			X	AIDC foreseen for period 2017-2019
	ASUNCION	XI			X	AIDC foreseen for period 2017-2019
	CURITIBA	XI			X	AIDC foreseen for period 2017-2019
	CORDOBA	XI			X	AIDC foreseen for period 2017-2019
	LIMA	XI			X	AIDC foreseen for period 2017-2019
	IQUIQUE	XI			X	AIDC foreseen for period 2017-2019

CHILE						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 4444 Auto	3 (OLDI)	4 (AIDC)	
SANTIAGO (AUTO THALES TOPSKY)	IQUIQUE	XI			X	AIDC foreseen for period 2017-2019
	LIMA	XI			X	AIDC foreseen for period 2017-2019
	MENDOZA	XI			X	AIDC foreseen for period 2017-2019
	PUERTO MONTT	XI			X	AIDC foreseen for period 2017-2019
IQUIQUE (AUTO INDRA AIRCON 2100)	CORDOBA	XI			X	Positive AIDC trials - March 2016 Trial results indicate the necessity of increase transmission speed from 2400 to 9600 bit/sec. AIDC operational foreseen by the end of the second semester of 2017
	LA PAZ	XI			X	AIDC foreseen for period 2017-2019
	LIMA	XI			X	Positive AIDC trials conducted in February 2016 AIDC foreseen to be operational by the second semester of 2017

PUERTO MONTT (INDRA AUTOMATED)	SANTIAGO	XI			X	AIDC foreseen for period 2017-2019
	PUNTA ARENAS	XI			X	AIDC foreseen by the end of 2017
	EZEIZA	XI			X	AIDC by the end of the second semester of 2017
	COMODORO RIVADAVIA	XI			X	AIDC by the end of the second semester of 2017
PUNTA ARENAS (MANUAL)	PUERTO MONTT	XI			X	AIDC by the end of 2016
	COMODORO RIVADAVIA	XI			X	AIDC by the first semester of 2017

COLOMBIA						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 4444 Auto	3 (OLDI)	4 (AIDC)	
BOGOTÁ (AUTO INDRA AIRCON 2100)	AMAZÔNICO	XI			X	AIDC foreseen to be operational by the end of the first semester 2017
	CENAMER	XI			X	AIDC foreseen for period 2017-2019
	GUAYAQUIL	XI			XI	Positive AIDC trials conducted AIDC in pre-operational phase (August 2015)
	LIMA	XI			XI	Positive AIDC trials conducted AIDC pre-operational (August 2015) Pending signature of letter of operational agreement pending.
	MAIQUETIA	XI			X	AIDC foreseen for period 2017-2019
	PANAMA	XI			X	Positive AIDC trials conducted AIDC foreseen to be operational by first semester 17
	BARRANQUILLA	XI			XI	AIDC pre-operational (March 2016) Operation foreseen by the end of 2016

BARRANQUILLA (AUTO INDRA AIRCON 2100)	MAIQUETIA	XI			X	AIDC foreseen for period 2017-2019
	PANAMA	XI			X	Positive AIDC trials conducted AIDC foreseen to be operational by first semester 2017
	BOGOTA	XI			XI	AIDC pre-operational (March 2016) Operation foreseen by the end of 2016
	KINGSTON	XI			X	AIDC TBD
	CURAÇAO	XI			X	AIDC TBD

ECUADOR						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 4444 Auto	3 (OLDI)	4 (AIDC)	
GUAYAQUIL AUTO INDRA AIRCON 2100	BOGOTA	XI			XI	Positive AIDC trials conducted AIDC pre-operational (August 2015)
	LIMA				XI	AIDC operational implementation (31 March 2016) AIDC operations interrupted on Sep 2016. Reactivation October 2017.
	CENAMER	XI			X	Positive AIDC trials conducted AIDC foreseen for period 2017-2019

FRENCH GUIANA						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 4444 Auto	3 (OLDI)	4 (AIDC)	
CAYENNE AUTO ADACEL AIDC not installed	AMAZÔNICO	XI			X	AIDC foreseen for period 2017-2019
	PARAMARIBO	XI			X	AIDC foreseen for period 2017-2019
	PIARCO	XI			X	AIDC foreseen for period 2017-2019
	DAKAR	XI			X	AIDC foreseen for period 2017-2019
	ATLANTICO	XI			X	AIDC foreseen for period 2017-2019+

GUYANA						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 4444 Auto	3 (OLDI)	4 (AIDC)	
GEORGETOWN AUTO INTELSCAN AIDC not installed	AMAZONICO	XI			X	AIDC foreseen for period 2017-2019
	PIARCO	XI			X	AIDC foreseen for period 2017-2019
	MAIQUETIA	XI			X	AIDC foreseen for period 2017-2019
	PARAMARIBO	XI			X	AIDC foreseen for period 2017-2019

PANAMA						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 4444 Auto	3 (OLDI)	4 (AIDC)	
PANAMA (AUTO THALES)	BOGOTA	XI			X	Positive AIDC trials conducted AIDC foreseen to be operational by first semester 2017
	BARRANQUILLA	XI			X	Positive AIDC trials conducted AIDC foreseen to be operational by first semester 2017
	CENAMER	XI			X	Positive AIDC trials conducted AIDC foreseen to be operational by the end of the first semester 2017

PARAGUAY						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 4444 Auto	3 (OLDI)	4 (AIDC)	
ASUNCION AUTO AIRCON 2100 INDRA	CURITIBA	XI			X	AIDC foreseen by the end of the first semester of 2017
	LA PAZ	XI			X	AIDC foreseen for period 2017-2019
	RESISTÊNCIA	XI			X	Positive AIDC trials conducted in the week of 28 November 2016 AIDC foreseen to be operational by the end of the second semester 2017

PERU						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 4444 Auto	3 (OLDI)	4 (AIDC)	
LIMA AUTO AIRCON 2100 INDRA	AMAZONICO	XI			X	AIDC foreseen to be operational by the end of the first semester of 2017
	BOGOTA	XI			XI	Positive AIDC trials conducted AIDC pre-operational phase (August 2015) Letter of operational agreement pending signature.
	SANTIAGO	XI			X	AIDC foreseen for period 2017-2019
	IQUIQUE	XI			X	Positive AIDC trials conducted in February 2016 AIDC foreseen to be operational by the end of the first semester of 2017 semester 2017
	GUAYAQUIL	XI			XI	AIDC operational (31 March 2016) AIDC operations interrupted on Sep 2016. Reactivation foreseen by October 2017.
	LA PAZ	XI			X	AIDC foreseen for period 2017-2019

SURINAME						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 4444 Auto	3 (OLDI)	4 (AIDC)	
PARAMARIBO (AUTO INTELCAN) AIDC not installed	AMAZÓNICO	XI			X	AIDC foreseen for period 2017-2019
	GEORGETOWN	XI			X	AIDC foreseen for period 2017-2019
	PIARCO	XI			X	AIDC foreseen for period 2017-2019
	CAYENNE	XI			X	AIDC foreseen for period 2017-2019

URUGUAY						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 4444 Auto	3 (OLDI)	4 (AIDC)	
MONTEVIDEO (AUTO INDRA AIRCON2100)	CURITIBA	XI			X	AIDC foreseen by first semester 2017
	EZEIZA	XI			X	AIDC foreseen by the end of the second semester 2017
	RESISTENCIA	XI			X	AIDC foreseen by the end of the second semester 2017
	ATLANTICO	XI			X	AIDC foreseen for period 2017-2019
	JOHANNESBURG	X			X	AIDC TBD

VENEZUELA						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 4444 Auto	3 (OLDI)	4 (AIDC)	
MAIQUETIA (AUTO ATECH X4000) AIDC not installed	AMAZONICO	XI	XI		X	AIDC foreseen for period 2017-2019
	BOGOTA	XI			X	AIDC foreseen for period 2017-2019
	BARRANQUILLA	XI			X	AIDC foreseen for period 2017-2019
	PIARCO	XI			X	AIDC TBD
	CAYENNE	XI			X	AIDC foreseen for period 2017-2019
	CURAZAO	XI			X	AIDC TBD
	SAN JUAN	XI			X	AIDC TBD

* X PLANNED

*XI IMPLEMENTED AND IN PRE-OPERATIONAL OR OPERATIONAL PHASE

APPENDIX B

**NATIONAL FOCAL POINTS/PUNTOS FOCALES NACIONALES
IMPLEMENTATION OF INTERCONNECTION OF AUTOMATED SYSTEMS/IMPLANTACIÓN INTERCONEXIÓN SISTEMAS
AUTOMATIZADOS**

STATE/ ESTADO	ADMINISTRATION/ ADMINISTRACIÓN	NAME/ NOMBRE	POST/ CARGO	TELEPHONE/ TELEFONO	E-MAIL
ARGENTINA	EANA	Javier Schenk	Jefe Departamento CNS EANA	(549 11) 5848 6936	Jschenk@eana.com.ar
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		Javier Vittor	Especialista CNS	(54 11) 4480-2362 (54 911) 6894-0692	javiervittor@gmail.com
	ANAC	Diego Agüero	Técnico automatización	(54911) 2258-7836 (5411) 5941-3000 Ext.69-128	daguero@anac.gob.ar
BOLIVIA					
BRAZIL/ BRASIL	DECEA	Alessander Santoro	Especialista CNS	(55 21) 2101-6105	santoroaas@decea.gov.br
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COLOMBIA	UAEAC	Harlen Mejía	Jefe de Aeronavegación		harlen.mejia@aerocivil.gov.co
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