

requirements for the implementation of AIDC connections in each State of the Region would be the same as for international ATS speech circuits, shown in Table CNS II-3. In time, ATS speech communications would become a secondary means of communication and AIDC would be the primary means. AIDC interconnections initially contemplated in the Declaration of Bogota for the period 2017-2019 are only between ACCs.

1.3 Likewise, the AN&FS/2 meeting, with the endorsement of the RACC/14 meeting, also agreed to continue with the implementation of surveillance data exchange during the period 2017-2019, setting a 30% surveillance coverage goal in flight transfer of control areas between adjacent ACCs of the Region.

2 Discussion

2.1 The progress made in the implementation of the AIDC interconnection, the analysis of flight plan availability in the SAM Region in each State of the Region, and the follow-up to the implementation of activities contemplated in the MoUs established in the SAM Region for the interconnection of automated systems are described below.

Progress made in the implementation of AIDC interconnection

Argentina

2.2 The AIDC between the Cordoba ACC and the Ezeiza ACC is still in the pre-operational phase. The letter of operational agreement was amended and signed between the Ezeiza and Cordoba ACCs, considering the AIDC as the primary means of communication for flight reporting, coordination and transfer operations.

2.3 An AIDC training plan for the controllers of the Comodoro Rivadavia, Mendoza, and Resistencia ACCs has been launched that will conclude in late October 2017. Once these courses have been completed, the pre-operational phase of the AIDC between these centres will be activated.

2.4 The AIDC between national ACCs is expected to be operational by the end of the second semester of 2017, while the AIDC with adjacent regional ACCs is expected to be operational in 2018-2019.

Bolivia

2.5 Automation of the main ATS units of Bolivia (La Paz ACC, new Cochabamba ACC, Santa Cruz and Trinidad APP) is expected to be operational in 2019. The automated systems to be installed are Thales model Topsky. Once the automation of ATS units is completed, Bolivia will start coordinating with the ACCs of adjacent States for the conduction of AIDC tests.

Brazil

2.6 Since mid-2016, the AIDC is in the operational phase between the adjacent ACCs of Brazil, with the exception of the Atlántico ACC. AIDC connections with the Atlántico ACC are expected to be operational on the second semester of 2017.

2.7 AIDC tests were conducted with the Asunción ACC but with unsatisfactory results; tests will continue in 2017. Coordination will take place between Brazil and Venezuela to exchange flight plan

and automated transfer data using the messages contained in Doc 4444. Likewise, AIDC tests between the Manaus ACC and the Lima ACC will continue during the second half of 2017.

Chile

2.8 The TopSKy of the Santiago ACC will be updated during the first semester of 2018. In this sense, once this update is completed, AIDC tests will continue between the Santiago ACC and the Mendoza ACC and between the Santiago ACC and the Lima ACC.

2.9 At national level, the AIDC operational connections between the Punta Arenas ACC and the Puerto Montt ACC and between the Iquique ACC and the Antofagasta APP have been implemented.

Colombia

2.10 The AIDC interconnections implemented at national and intraregional level are still in the pre-operational phase.

Ecuador

2.11 No progress was reported in AIDC operation with Peru and Colombia, which is still in the pre-operational phase.

French Guiana

2.12 The implementation of AIDC between the Cayenne ACC and the ACCs of adjacent States is foreseen for the period 2018-2019. French Guiana has AIDC in the Cayenne ACC.

Guyana

2.13 The implementation of AIDC with the ACCs of adjacent States is foreseen for 2017-2019. At present, Guyana does not have AIDC in its ACC.

Panama

2.14 The updating of the automated system at the Panama ACC was completed in mid-July 2017. Since early September 2017, the AIDC between the Panama ACC and CENAMER is in the pre-operational phase, and the AIDC between the Panama ACC and the Barranquilla ACC is in the pre-operational phase since mid-September 2017.

Paraguay

2.15 The updating of the automated system of the Asunción ACC (INDRA AIRCON 2100) could not be completed; accordingly, the implementation of the AIDC interconnection with adjacent ACCs was postponed until 2018.

Peru

2.16 The updated ATM automation system at the Lima ACC is scheduled to come on line on the week of 16 October 2019. It is expected that, starting in November 2017, the AIDC between the Lima ACC and the Guayaquil ACC will become operational again, and that migration of the AIDC to the operational phase between the Lima ACC and the Bogota ACC and between the Lima ACC and the Iquique ACC may be coordinated.

Suriname

2.17 The implementation of AIDC with the ACCs of adjacent States is foreseen for the period 2017-2019. Suriname does not have AIDC.

Uruguay

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

Venezuela

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

Table of AIDC interconnection requirements

2.20 Based on the aforementioned information on AIDC implementation developments, **Appendix A** to this working paper contains a table with AIDC interconnection requirements in the SAM Region, the status of implementation, and activities foreseen for the period 2017-2019.

List of focal points

2.21 The list of AIDC focal points is shown in **Appendix B** to this working paper.

Analysis of flight plan availability in the SAM Region

2.22 As a follow-up to Conclusion SAM/IG/19-2 *Implementation of procedures to mitigate the duplication/multiplicity of scheduled commercial flight plans*, in which States were urged to establish AFTN address XXXXZPZX as the only address for receiving the flight plans corresponding to ARO/AIS Offices, and to prepare an AIC indicating the flight plan filing procedure, the following actions have been reported at the teleconferences held as a follow-up to AIDC implementation.

2.23 Argentina is waiting for the aeronautical authority of Argentina (ANAC) to approve the amendment to national regulations on the filing of flight plans so that airlines may file their electronic flight plans directly in the ARO/AIS Offices or in the ACC FDPs.

2.24 The goal of Brazil is to implement a centralised flight plan processing system as part of the project for the implementation of the SIGMA (Sistema Integrado de Gestão de Movimentos Aéreos) system being used by CGNA (Centro de Gerenciamento da Navegação Aérea).

2.25 Ecuador provided information on improvements for reducing errors in flight plans to the Guayaquil ACC. This procedure was published in the AIP amendment dated 14 September 2017. Regarding the establishment of a single address, it was noted that, at national level, international flights have two AFTN addresses: one for the ARO/AIS Office in Guayaquil and the other for the ARO/AIS Office in Quito.

2.26 On 24 July 2017, Peru published AIC/05/2017 that superseded AIC/04/2017 “Filing of the flight plan via AMHS or AFTN for companies operating scheduled flights” pursuant to Conclusion SAM/IG/19-2. Thus, Peru adopted the single address SPIMZPZX. An informational workshop was held and tests were conducted with 17 commercial airlines, 15 of which produced satisfactory results. In this regard, letters of agreement will be established with the airlines for the use of the procedure so that airlines may submit their flight plans directly to the address SPIM ZPZX.

2.27 Venezuela has implemented and is operating an automated flight plan handling system to help reduce filing errors. This system is located at the ARO Office in Maiquetía. The remaining States of the Region show no progress in the implementation of Conclusion SAM IG /19-2.

Follow-up to the implementation of activities contemplated in the MoOs for the interconnection of automated systems

2.28 Argentina and Chile began coordination for the exchange of surveillance data (secondary radar). This coordination was interrupted because Chile had to purchase and install a software application for filtering surveillance data used by the military in order to exclude it from the exchange. The technical-operational activities for the implementation of radar and flight plan data exchange (AIDC) between Argentina and Chile were contemplated in the MoU signed between the authorities of Argentina and Chile on 18 October 2010. A teleconference was held between the Secretariat (ICAO), Argentina and Chile on 11 October 2017 to define a new action plan for the implementation of surveillance and flight plan data interconnection. On this respect it was agreed to begin coordination on 23 October 2017 for radar exchange between Mendoza (Argentina) and Santiago (Chile) secondary radar.

2.29 MoUs were established and signed between Argentina and Brazil, Argentina and Uruguay, Brazil and Uruguay, Brazil and Venezuela, and Brazil and Peru for the exchange of surveillance and flight plan data in order to enhance safety in air traffic control in transfer areas between adjacent ACCs. These MoUs were established between 2010 and 2012. Of the activities contemplated in these MoUs, work is currently being carried out for AIDC implementation of; surveillance data exchange was interrupted because it was impossible to use certain communication protocols (Asterix). In this regard, in view of the time elapsed, the States involved in the MoUs should take up the exchange of surveillance data.

Other considerations

2.30 The Eleventh meeting of the Coordination Committee of Project RLA/06/901 approved the holding of the fourth meeting on AIDC implementation, to which 15 fellowships were assigned. This event will last 5 days, and would be tentatively held on 16-20 April 2018 in Lima, Peru. The Committee did not approve the conduction of the Seminar on AIDC implementation and its evolution, and suggested that it be held in parallel to the AIDC implementation meeting. Regarding practical AIDC courses for the States, the conduction of a course in Venezuela was approved for November 2018, provided Venezuela has the AIDC already operational in the Maiquetía ACC by that time.

3 Suggested action

3.1 The Meeting is invited to:

- a) take note of the information presented herein; and
- b) review the aspects presented in section 2 of this working paper and the respective appendices.

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 tests - March 2016 As a result of the tests, 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 2018.
	LA PAZ	XI			X	AIDC foreseen for period 2018-2019
	EZEIZA	XI			XI	AIDC in pre-operational phase since December 2015. Operational phase foreseen by the first semester of 2017
	MENDOZA	XI			X	AIDC pre-operational phase by the second semester of 2017
	RESISTENCIA	XI			X	AIDC pre-operational phase by the second semester of 2017
RESISTENCIA (AUT. INDRA AIRCON2100) (May 2016)	ASUNCION	XI			X	Positive AIDC tests were conducted in 2015 between Ezeiza and Asuncion. Tests between Resistencia and Asuncion were conducted in the end of 2016. AIDC foreseen to be operational by the first semester of 2018.
	CORDOBA	XI			X	AIDC pre-operational by the second semester of 2017
	CURITIBA	XI			X	AIDC foreseen by the first semester of 2018
	EZEIZA	XI			X	AIDC pre-operational by the second semester of 2017
	MONTEVIDEO	XI			X	AIDC foreseen by the first semester of 2018

EZEIZA (AUT. INDRA AIRCON2100) (2007)	COMODORO RIVADAVIA	XI			X	AIDC pre-operational by the second semester of 2017
	MENDOZA	XI			X	AIDC pre-operational by the second semester of 2017
	PUERTO MONTT	XI			X	AIDC by the first semester of 2018
	CORDOBA	XI			XI	AIDC in pre-operational phase since December 2015. Operational phase foreseen by the second semester of 2017
	RESISTENCIA	XI			X	AIDC pre-operational by the second semester of 2017
	JOHANNESBURG	XI			X	AIDC tests foreseen by the second semester of 2017
	MONTEVIDEO	XI			X	AIDC foreseen by the first semester of 2018
MENDOZA (AUT INDRA AIRCON2100) (May 2016)	EZEIZA	XI			X	AIDC pre-operational by the first semester of 2017
	SANTIAGO	XI			X	AIDC foreseen for period 2018-2019
	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 December 2017
	CAYENNE	XI			X	AIDC foreseen for period 2018-2019
	CURITIBA	XI			XI	AIDC implemented July 2016
	GEORGETOWN	XI			X	AIDC foreseen for period 2018-2019
	LA PAZ	XI			X	AIDC foreseen for period 2018-2019

	LIMA	XI			X	AIDC foreseen for December 2017
	MAIQUETIA	XI	X		X	AIDC foreseen for period 2018-2019
	PARAMARIBO	XI			X	AIDC foreseen for period 2018-2019
	RECIFE	XI			X	AIDC implemented since 2 May 2016
	ATLÂNTICO	XI			X	Second semester 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 for December 2017
	BRASÍLIA	XI			Xi	AIDC implemented July 2016
	LA PAZ	XI			X	AIDC foreseen for period 2018-2019
	MONTEVIDEO	XI			X	AIDC foreseen for the first semester of 2018
	RECIFE	XI			XI	AIDC implemented July 2016
	RESISTÊNCIA	XI			X	AIDC foreseen by the first semester of 2018
	ATLÂNTICO	XI			X	Second Semester 2017
RECIFE AUTO. SAGITARIO ATECH	AMAZÔNICO	XI			XI	AIDC Implemented on 2 May 2016
	BRASÍLIA	XI			XI	AIDC implemented June 2016
	CURITIBA	XI			XI	AIDC implemented July 2016
	ATLÂNTICO	XI			X	Second Semester 2017
ATLÂNTICO AUTO. SAGITARIO ATECH	AMAZÔNICO	XI			X	Second Semester 2017
	CURITIBA	XI			X	Second Semester 2017
	DAKAR	XI			X	AIDC TBD
	JOHANNESBURG	XI			X	AIDC TBD
	LUANDA	XI			X	AIDC TBD
	MONTEVIDEO	XI			X	AIDC foreseen for period 2018-2019
	RECIFE	XI			X	Second Semester 2017
	CAYENNE	XI			X	AIDC foreseen for period 2018-2019

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 2018-2019
	ASUNCION	XI			X	AIDC foreseen for period 2018-2019
	CURITIBA	XI			X	AIDC foreseen for period 2018-2019
	CORDOBA	XI			X	AIDC foreseen for period 2018-2019
	LIMA	XI			X	AIDC foreseen for period 2018-2019
	IQUIQUE	XI			X	AIDC foreseen for period 2018-2019

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 2018-2019
	LIMA	XI			X	AIDC foreseen for period 2018-2019
	MENDOZA	XI			X	AIDC foreseen for period 2018-2019
	PUERTO MONTT	XI			X	AIDC foreseen for period 2018-2019
IQUIQUE (AUTO INDRA AIRCON 2100)	CORDOBA	XI			X	Positive AIDC tests - March 2016. Tests results indicate the requirement of increase transmission speed from 2400 to 9600 bit/sec. AIDC operational foreseen by the first semester of 2018
	LA PAZ	XI			X	AIDC foreseen for period 2018-2019
	LIMA	XI			X	Positive AIDC tests 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 2018-2019
	PUNTA ARENAS	XI			X	AIDC pre operational since November 2016.
	EZEIZA	XI			X	AIDC by the first semester of 2018
	COMODORO RIVADAVIA	XI			X	AIDC by the first semester of 2018
PUNTA ARENAS (INDRA AUTOMATED)	PUERTO MONTT	XI			X	AIDC pre operational since November 2016
	COMODORO RIVADAVIA	XI			X	AIDC by the first semester of 2018

COLOMBIA						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 444 4 Auto	3 (OLDI)	4 (AIDC)	
BOGOTÁ (AUTO INDRA AIRCON 2100)	AMAZÓNICO	XI			X	AIDC foreseen to be operational for December 2017
	CENAMER	XI			X	AIDC foreseen for period 2018-2019
	GUAYAQUIL	XI			XI	Positive AIDC tests conducted AIDC in pre-operational phase (August 2015). Implementation foreseen December 2017.
	LIMA	XI			XI	Positive AIDC tests conducted. AIDC pre-operational (August 2015) Operational letter of agreement incorporating AIDC was signed on November 2016 Operational phase foreseen last quarter 2017
	MAIQUETIA	XI			X	AIDC foreseen for period 2018-2019
	PANAMA	XI			X	Positive AIDC tests conducted. AIDC foreseen to be operational by second semester 2017.
	BARRANQUILLA	XI			XI	AIDC pre-operational (March 2016)
BARRANQUILLA (AUTO INDRA AIRCON 2100)	MAIQUETIA	XI			X	AIDC foreseen for period 2018-2019
	PANAMA	XI			X	Positive AIDC tests conducted. AIDC foreseen to be operational by second semester 2017.

	BOGOTA	XI			XI	AIDC pre-operational (March 2016)
	KINGSTON	XI			X	AIDC TBD
	CURAÇAO	XI			X	AIDC TBD
APP Rio Negro (AIRCON 2100)	PANAMA	XI			X	Tests on second semester 2017
APP Cali (AIRCON 2100)	PANAMA	XI			X	Tests on second semester 2017

ECUADOR						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 444 4 Auto	3 (OLDI)	4 (AIDC)	
GUAYAQUIL AUTO INDRA AIRCON 2100	BOGOTA	XI			XI	Positive AIDC tests conducted. AIDC pre-operational (August 2015) implementation foreseen December 2017
	LIMA				XI	AIDC operational implementation (31 March 2016) Migrated to pre-operational phase since Nov 2016. Resume to operational phase foreseen for last quarter 2017.
	CENAMER	XI			X	Positive AIDC tests conducted. AIDC foreseen for period 2018- 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 2018-2019
	PARAMARIBO	XI			X	AIDC foreseen for period 2017-2019
	PIARCO	XI			X	AIDC foreseen for period 2018-2019
	DAKAR	XI			X	AIDC foreseen for period 2018-2019
	ATLANTICO	XI			X	AIDC foreseen for period 2018-2019

GUYANA						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 4444 Auto	3 (OLDI)	4 (AIDC)	
GEORGETOWN AUTO INTELCAN AIDC not installed	AMAZONICO	XI			X	AIDC foreseen for period 2018-2019
	PIARCO	XI			X	AIDC foreseen for period 2018-2019
	MAIQUETIA	XI			X	AIDC foreseen for period 2018-2019
	PARAMARIBO	XI			X	AIDC foreseen for period 2018-2019

PANAMA						
ACC	ACC ADJ	Flight plan				Comments
		Interconnection levels				
		1 4444 Manual	2 444 Auto	3 (OLDI)	4 (AIDC)	
PANAMA (AUTO THALES)	BOGOTA	XI			X	Positive AIDC tests conducted. AIDC foreseen to be operational by second semester 2017.
	BARRANQUILLA	XI			X	Positive AIDC tests conducted. AIDC foreseen to be operational by second semester 2017.
	CENAMER	XI			X	Positive AIDC tests conducted. Pre operational phase. AIDC foreseen to be operational by the second semester 2017
	APP CALI	XI			X	Tests on second semester 2017.
	APP RIO NEGRO	XI			X	Tests on second 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 for December 2017
	LA PAZ	XI			X	AIDC foreseen for period 2018-2019
	RESISTENCIA	XI			X	Positive AIDC tests conducted in 2015 between Ezeiza and Asuncion. Tests between Resistencia and Asuncion were held by the end of 2016. AIDC foreseen to be operational by the first semester 2018.

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 December 2017
	BOGOTA	XI			XI	Positive AIDC tests conducted. AIDC pre-operational phase (August 2015). Amendment to the operational agreement including the AIDC signed in November 2016. Operational phase foreseen last quarter 2017
	SANTIAGO	XI			X	AIDC foreseen for period 2018-2019
	IQUIQUE	XI			X	Positive AIDC tests conducted in February 2016. AIDC foreseen to be operational by the second semester of 2017.

	GUAYAQUIL	XI			XI	AIDC operational (31 March 2016) migrated to pre-operational phase on November 2016. Expected to resume operational phase the las quarter 2017.
	LA PAZ	XI			X	AIDC foreseen for period 2018-2019

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 2018-2019
	GEORGETOWN	XI			X	AIDC foreseen for period 2018-2019
	PIARCO	XI			X	AIDC foreseen for period 2018-2019
	CAYENNE	XI			X	AIDC foreseen for period 2018-2019

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 2018
	EZEIZA	XI			X	AIDC foreseen by the first semester 2018
	RESISTENCIA	XI			X	AIDC foreseen by first semester 2018
	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 2018-2019
	BOGOTA	XI			X	AIDC foreseen for period 2018-2019
	BARRANQUILLA	XI			X	AIDC foreseen for period 2018-2019
	PIARCO	XI			X	AIDC TBD
	CAYENNE	XI			X	AIDC foreseen for period 2018-2019
	CURAZAO	XI			X	AIDC TBD
	SAN JUAN	XI			X	AIDC TBD

* X PLANNED

*XI IMPLEMENTED AND IN PRE-OPERATIONAL OR OPERATIONAL PHASE

APPENDIX B / APÉNDICE 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	Gerente CNS EANA	(549 11) 5848 6936	Jschenk@eana.com.ar
		Oswaldo Oscar Godoy	Jefe ANS Subregional Ezeiza	Cel (54911) 28836444 5411 44802309	ogodoy@eana.com.ar
		Daniel Coria	Coordinador nacional sistema automatizados	T.E:+5491135942686	dcoria@eana.com.ar
		Mario Correa	Jefe sistemas automatizados ATS	(5411) 4320 3955 Cel (54911) 5460 9199	mario_correa@yahoo.com.ar
	ANAC	Diego Agüero	Técnico automatización	(54911) 2258-7836 (5411) 5941-3000 Ext.69-128	daguero@anac.gob.ar
BOLIVIA	DGAC	Jaime Yuri Álvarez Miranda	Jefe Unidad CNS	Tel: +5912 2444450 int. 2651	jalvarez@dgac.gob.bo
BRAZIL/ BRASIL	DECEA	Luiz Antonio dos Santos	Asesor ATM	5521 2101 6088	luizantoniolas@decea.gov.br
		Murilo Loureiro	Asesor sistemas automatizados	(55 21) 2101-6658	loureiromal@decea.gov.br
COLOMBIA	UAEAC	Harlen Mejía	Jefe de Aeronavegación		harlen.mejia@aerocivil.gov.co
		Mauricio Ferrer	Especialista ATM sistemas automatizados		mauricio.ferrer@aerocivil.gov.co
		Pedro Alejandro Velasco	Jefe Grupo de Vigilancia Aeronáutica	(57) 317656-7203	pedro.velasco@aerocivil.gov.co

STATE/ ESTADO	ADMINISTRATION/ ADMINISTRACIÓN	NAME/ NOMBRE	POST/ CARGO	TELEPHONE/ TELEFONO	E-MAIL
CHILE	DGAC	Pedro Pastrian	Especialista radar y sistemas automatizados	(56 2) 836-4005 (56 2) 644-8345	ppastrian@dgac.gob.cl
		Christian Vergara	Especialista comunicaciones	(56 2) 836-4005 (56 2) 644-8345	cvergara@dgac.gob.cl
		Gustavo Cáceres Moraga	Controlador Tránsito Aéreo Ofc. Operaciones ACCS	(56 2) 91581853 (56 2) 28364018	gcaceres@dgac.gob.cl
ECUADOR	DAC	Raul Avellan	Especialista CNS coordinador sistema AMHS	(593 4) 269-2829 (593 9) 9530-2735	raul.avellan@aviacioncivil.gob.ec
		Jorge Zúñiga	Programación FDP y coordinaciones	(593 2) 2604477	jorzu40@hotmail.com
		Eugenio Espinoza	Controlador ACC Guayaquil Radar	(593) 981269823	eugenio.espinoza@aviacioncivil.gob.ec
GUYANA					
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