APPENDIX I.4

ARGENTINA ACC ACC ADJ Flight plan Comments Interconnection levels * 3 (OLDI) 2 4 4444 4444 (AIDC) Manual Auto **IQUIQUE CORDOBA** ΧI X Positive AIDC trials - March 2016 As a result of the trials, the (AUT. INDRA AIRCON2100) transmission speed has to be (2007)incremented from 2400 to 9600 bit/seg AIDC foreseen to be operational on the first semester of 2018 LA PAZ XI X AIDC foreseen for period 2018-2019 XI AIDC in pre-operational phase **EZEIZA** XI since December 2015. Operational phase foreseen by the end of the first semester of 2017 AIDC operational by the end of **MENDOZA** XI X second semester of 2017 AIDC operational by the end of RESISTENCIA XI X second semester of 2017 AIDC RESISTENCIA ASUNCION XI X Positive trials were (AUT. INDRA conducted December 2016 AIRCON2100) between ACC Resistencia and (June 2016) ACC Asunción. AIDC foreseen to be operational by the end of first semester 2018 CORDOBA XI X AIDC operational by the end of second semester of 2017 **CURITIBA** ΧI X AIDC foreseen to be operational by the end of first semester 2018 AIDC operational by the end of **EZEIZA** ΧI X second semester of 2017 AIDC foreseen to be operational MONTEVIDEO X XI by the end of first semester 2018 AIDC operational by the end of **EZEIZA COMODORO** ΧI X **RIVADAVIA** second semester of 2017 (AUT. INDRA AIDC operational by the end of X AIRCON2100) **MENDOZA** ΧI (2007)second semester of 2017 X AIDC foreseen to be operational PUERTO XI by the end of first semester 2018 **MONTT** CORDOBA XI ΧI AIDC in pre-operational phase December since 2015. Operational phase foreseen by the end of first semester of 2017 AIDC operational by the end of RESISTENCIA ΧI X second semester of 2017

(AIDC) GROUND-GROUND DATA INTERCONNECTION STATUS IN THE SAM REGION

	JOHANNESBU RG	XI		X	AIDC tests foreseen by the end of June 2017 using a VPN through public internet. AIDC trials using AFTN it is foreseen by the end of second semester 2018 when the modernization of Ezeiza CAFSAT is done.
	MONTEVIDEO	XI		X	AIDC foreseen to be operational by the end of first semester 2018
MENDOZA (AUT INDRA	EZEIZA	XI		X	AIDC operational by the end of second semester of 2017
AIRCON2100) (June 2016)	SANTIAGO	XI		X	AIDC foreseen for period 2018-2019
	CORDOBA	XI		X	AIDC operational by the end of second semester of 2017
COMODORO RIVADAVIA	EZEIZA	XI		X	AIDC operational by the end of second semester of 2017
(AUT INDRA AIRCON2100)	PUNTA ARENAS	XI		X	AIDC foreseen to be operational by the end of first semester 2018
(June 2016)	PUERTO MONTT	XI		X	AIDC foreseen to be operational by the end of first semester 2018

	BRAZIL										
ACC	ACC		Flight	plan		Comments					
	ADJ	In	terconnec	tion level							
		1 4444 Manual	2 4444 Auto	(OLDI)	4 (AIDC)						
AMAZÓNICO	BRASILIA	XI			XI	AIDC implemented June 2016					
(MANAUS) AUTO. SAGITARIO	BOGOTÁ	XI			X	AIDC foreseen to be operational by the end of first semester 2018					
ATECH	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 operational by the end of second semester of 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 on 2 May 2016					
	CAYENNE	XI			X	AIDC foreseen to be operational by the end of first semester 2018					
	ATLÂNTICO	XI			X	AIDC operational by the end of second semester of 2017					
BRASILIA	AMAZÔNICO	XI			XI	AIDC implemented June 2016					

AUTO.	CURITIBA	XI	XI	AIDC implemented July 2016
SAGITARIO	RECIFE			AIDC implemented June 2016
ATECH	RECIFE	XI	XI	ADC implemented fune 2010
CURITIBA	AMAZONICO	XI	XI	AIDC implemented July 2016
AUTO.	ASUNCION			AIDC foreseen to be
SAGITARIO		XI	X	operational by the end of first
ATECH				semester 2018
	BRASÍLIA	XI	Xi	AIDC implemented July 2016
	LA PAZ	XI	X	AIDC foreseen for period
	MONTELLIBEO			2018-2019
	MONTEVIDEO	371	37	AIDC foreseen to be
		XI	X	operational by the end of first
	DECIEE	VI	VI	semester 2018
	RECIFE RESISTÊNCIA	XI	XI	AIDC implemented July 2016 AIDC foreseen to be
	RESISTENCIA	XI	X	AIDC foreseen to be operational by the end of first
		ЛІ	Λ	semester 2018
	ATLÂNTICO			AIDC operational by the end
	THE HITEO	XI	X	of second semester of 2017
RECIFE	AMAZÔNICO			AIDC Implemented on 2 May
AUTO.		XI	X	2016
SAGITARIO	BRASÍLIA	XI	XI	AIDC implemented June 2016
ATECH	CURITIBA	XI	XI	AIDC implemented July 2016
	A TEX. Â NYTEY CO.	711	711	1100
	ATLÂNTICO	XI	X	AIDC operational by the end
ATLÁNTICO	AMAZÔNICO			of second semester of 2017
ATLANTICO AUTO.	AMAZONICO	XI	X	AIDC operational by the end of second semester of 2017
SAGITARIO	CURITIBA			AIDC operational by the end
ATECH	CORTIDA	XI	X	of second semester of 2017
	DAKAR			Initial trials in the second
	27.22.22	XI	X	semester of 2017
	JOHANNESBURG	3/1	N/	Initial trials in the second
		XI	X	semester of 2017
	LUANDA	XI	X	Initial trials in the second
		ΛΙ	Λ	semester of 2017
	MONTEVIDEO			AIDC foreseen to be
		XI	X	operational by the end of first
				semester 2018
	RECIFE	XI	X	Initial trials in the second
	CAMENINE			semester of 2017
	CAYENNE	VI	v	AIDC foreseen to be
		XI	X	operational by the end of first semester 2018
				semester 2018

	BOLIVIA									
ACC	ACC		Flig	ht plan		Comments				
	ADJ	In	terconn	ection leve	els					
		1	2	3	4					
		4444	4444	(OLDI)	(AIDC)					
		Manual	Auto							
LA PAZ	AMAZÔNICO	XI			X	AIDC foreseen for period 2018-				
(MANUAL)		ΛΙ				2019				
	ASUNCION	XI			X	AIDC foreseen for period 2018-				
		ΛΙ				2019				
	CURITIBA	XI			X	AIDC foreseen for period 2018-				
		ΛI				2019				
	CORDOBA	VI			X	AIDC foreseen for period 2018-				
		XI				2019				
	LIMA	VI			X	AIDC foreseen for period 2018-				
		XI				2019				
	IQUIQUE	VI			X	AIDC foreseen for period 2018-				
		XI				2019				

			CHII	E		
ACC	ACC		Flig	ht plan		Comments
	ADJ	In	terconn	ection leve	els	
		1	2	3	4	
		4444	4444	(OLDI)	(AIDC)	
		Manual	Auto			
SANTIAGO	IQUIQUE				X	AIDC foreseen for period 2018-
(AUTO THALES		XI				2019
TOPSKY)	LIMA				X	AIDC foreseen for period 2018-
		XI				2019
	MENDOZA				X	AIDC foreseen for period 2018-
		XI				2019
	PUERTO				X	AIDC foreseen for period 201-
	MONTT	XI				2019
IQUIQUE	CORDOBA	XI			X	Positive AIDC trials - March
(AUTO INDRA						2016
AIRCON 2100)						As a result of the trials, the
						transmission speed has to be
						incremented from 2400 to 9600
						bit/seg
						AIDC foreseen to be operational
						on the first semester of 2018
	LA PAZ	XI			X	AIDC foreseen for period 2018-
						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	SANTIAGO	XI		X	AIDC foreseen for period 2018-2019
AUTOMATED)	PUNTA ARENAS	XI		X	AIDC foreseen by the end of second semester of 2017
	EZEIZA	XI		X	AIDC foreseen to be operational by the end of first semester 2018
	COMODORO RIVADAVIA	XI		X	AIDC foreseen to be operational by the end of first semester 2018
PUNTA ARENAS (MANUAL)	PUERTO MONTT	XI		X	AIDC foreseen by the end of second semester of 2017
	COMODORO RIVADAVIA	XI		X	AIDC foreseen to be operational by the end of first semester 2018

	COLOMBIA											
ACC	ACC		Flig	tht plan		Comments						
	ADJ	Iı	nterconn	ection leve								
		1	2	3	4							
		4444	4444	(OLDI)	(AIDC)							
		Manual	Auto									
BOGOTÁ	AMAZÔNICO					AIDC foreseen to be						
(AUTO INDRA		XI			X	operational on second half						
AIRCON 2100)						of 2016						
	CENAMER	XI			X	AIDC foreseen for period						
						2018-2019						
	GUAYAQUIL					Positive AIDC trials conducted						
						conducted						
		XI			XI	AIDC in pre-operational						
		711			711	phase (August 2015)						
						Operational foreseen by						
						the end of 2017						
	LIMA					Positive AIDC trials						
						conducted						
						AIDC pre-operational						
						(August 2015)						
		XI			XI	Established a letter of						
						operational agreement						
						November 2016						
						Operational foreseen by						
						end 2017						
	MAIQUETIA	***			X	AIDC foreseen for period						
		XI				2018-2019						
	PANAMA	XI			X	Positive AIDC trials						
		Al				conducted						

					AIDC foreseen to be operational by the end of second semester 17
	BARRANQUILLA	XI		XI	AIDC pre-operational (March 2016) Operation foreseen by the end of 2017
BARRANQUILLA	MAIQUETIA	XI		X	AIDC foreseen for period 2018-2019
(AUTO INDRA AIRCON 2100)	PANAMA	XI		X	Positive AIDC trials conducted AIDC foreseen to be operational by the end of second semester 2017
	BOGOTA	XI		XI	AIDC pre-operational (March 2016) Operation foreseen by the end of 2017
	KINGSTON	XI		X	AIDC 2018-2019
	CURAÇAO	XI		X	AIDC 2018-2019

	ECUADOR										
ACC	ACC		Flig	ht plan		Comments					
	ADJ	In	terconn	ection leve	els						
		1	2	3	4						
		4444	4444	(OLDI)	(AIDC)						
		Manual	Auto								
GUAYAQUIL AUTO INDRA AIRCON 2100	BOGOTA	XI			XI	Positive AIDC trials conducted AIDC pre-operational (August 2015) Foreseen operational by the end of 2017					
	LIMA				XI	AIDC operational implementation (31 March 2016)					
	CENAMER	XI			X	Positive AIDC trials conducted AIDC foreseen for period 2018-2019					

	FRENCH GUIANA								
ACC	ACC		Flig	ht plan		Comments			
	ADJ	Ir	nterconn	ection level	ls				
		1	2	3	4				
		4444	4444	(OLDI)	(AIDC)				
		Manual	Auto						
CAYENNE	AMAZÔNICO	XI			X	AIDC foreseen to be			
AUTO						operational by the end			
ADACEL						of first semester 2018			
AIDC	PARAMARIBO	XI			X	AIDC foreseen for			
not installed						period 2018-2019			
	PIARCO	XI			X	AIDC foreseen for			
						period 2018-2019			
	DAKAR	XI			X	AIDC foreseen by the			
						first semester of 2018			
	ATLANTICO	XI			X	AIDC foreseen to be			
						operational by the end			
						of first semester 2018			

	GUYANA								
ACC	ACC		Flig	ht plan		Comments			
	ADJ	In	terconn	ection leve	els				
		1	2	3	4				
		4444	4444	(OLDI)	(AIDC)				
		Manual	Auto						
GEORGETOWN	AMAZONICO	XI			X	AIDC foreseen to be			
AUTO INTELCAN AIDC						operational by the end of first semester 2018			
not installed	PIARCO	XI			X	AIDC foreseen to be operational by the end of			
						first semester 2018			
	MAIQUETIA	XI			X	AIDC foreseen to be			
						operational by the end of			
						first semester 2018			
	PARAMARIBO	XI			X	AIDC foreseen to be			
						operational by the end of			
						first semester 2018			

	PANAMA									
ACC	ACC		Flig	ht plan		Comments				
	ADJ	In	terconn	ection leve	els					
		1	2	3	4					
		4444	4444	(OLDI)	(AIDC)					
		Manual	Auto							
PANAMA (AUTO THALES)	BOGOTA	XI			X	Positive AIDC trials conducted AIDC foreseen to				
(AUTO ITIALES)	BOGOTA					be operational by the end of				
						second semester 17				
	BARRANQUILLA	XI			X	Positive AIDC trials conducted AIDC foreseen to be operational by the end of second semester 17				
	CENAMER	XI			X	Positive AIDC trials conducted AIDC foreseen to be operational by the end of second semester 17				

PARAGUAY								
ACC	ACC		Flig	ht plan		Comments		
	ADJ	In	terconn	ection leve	els			
		1	2	3	4			
		4444	4444	(OLDI)	(AIDC)			
		Manual	Auto					
ASUNCION	CURITIBA	XI			X	AIDC foreseen to be operational		
AUTO AIRCON						by the end of first semester		
2100 INDRA						2018		
	LA PAZ	XI			X	AIDC foreseen for period 2018-		
						2019		
	RESISTÊNCIA	XI			X	Positive AIDC trials were		
						conducted December 2016		
						between ACC Resistencia and		
						ACC Asunción. AIDC foreseen		
						to be operational by the end of		
						first semester 2018		

PERU								
ACC	ACC	Flight plan				Comments		
	ADJ	Interconnection levels			els			
		1	2	3	4			
		4444	4444	(OLDI)	(AIDC)			
T T) ()	AMAZONICO	Manual	Auto		X7	ATDC		
LIMA	AMAZONICO	XI			X	AIDC operational by the end of		
AUTO	2000	***				second semester of 2017		
AIRCON	BOGOTA	XI			XI	Positive AIDC trials conducted		
2100						A TO C		
INDRA						AIDC pre-operational		
						(August 2015)		
						Established a letter of operational		
						agreement November 2016		
						One motion of the same has and		
						Operational foreseen by end 2017		
	SANTIAGO	XI			X			
	SANTIAGO	ΛI			Λ	AIDC foreseen for period 2018-2019		
	IOTHOLIE	XI			X	Positive AIDC trials conducted in		
	IQUIQUE	ΛI			Λ	February 2016		
						AIDC foreseen to be operational		
						by the second semester of 2017		
	GUAYAQUIL	XI			XI	AIDC operational		
	GUATAQUIL	AI			Al	implementation (31 March 2016)		
	LA PAZ	XI			X			
	LA PAZ	ΛI			Λ	AIDC foreseen for period 2018- 2019		
						2017		

SURINAME							
ACC	ACC		Flig	ht plan	Comments		
	ADJ	In	terconn	ection leve	els		
		1	2	3	4		
		4444	4444	(OLDI)	(AIDC)		
		Manual	Auto				
PARAMARIBO	AMAZÓNICO	XI			X	AIDC foreseen	for
(AUTO						period 2018-2019	
INTELCAN)	GEORGETOWN	XI			X	AIDC foreseen	for
						period 2018-2019	
AIDC not	PIARCO	XI			X	AIDC foreseen	for
installed						period 2018-2019	
	CAYENNE	XI			X	AIDC foreseen	for
						period 2018-2019	

URUGUAY							
ACC	ACC		Flig	ht plan	Comments		
	ADJ	In	terconn	ection leve			
		1	2	3	4		
		4444	4444	(OLDI)	(AIDC)		
		Manual	Auto				
MONTEVIDEO	CURITIBA	XI			X	AIDC foreseen to be	
(AUTO INDRA						operational by the end	
AIRCON2100)						of first semester 2018	
	EZEIZA	XI			X	AIDC foreseen to be	
						operational by the end	
						of first semester 2018	
	RESISTENCIA	XI			X	AIDC foreseen to be	
						operational by the end	
						of first semester 2018	
	ATLANTICO	XI			X	AIDC foreseen to be	
						operational by the end	
						of first semester 2018	
	JOHANNESBURG	X			X	AIDC TBD	

VENEZUELA								
ACC	ACC		Flig	ht plan	Comments			
	ADJ	In	terconn	ection leve	els			
		1	2	3	4			
		4444	4444	(OLDI)	(AIDC)			
		Manual	Auto					
MAIQUETIA	AMAZONICO	XI	XI		X	AIDC foreseen for period		
(AUTO						2018-2019		
ATECH	BOGOTA	XI			X	AIDC foreseen for period		
X4000)						2018-2019		
AIDC not	BARRANQUILLA	XI			X	AIDC foreseen for period		
installed						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