



SAM/IG/5  
WP/21  
30/04/10

**International Civil Aviation Organization  
South American Regional Office**

**FIFTH WORKSHOP/MEETING OF THE SAM IMPLEMENTATION GROUP (SAM/IG/5)  
REGIONAL PROJECT RLA/06/901**

**Lima, Peru, 10 to 14 May 2010**

**Agenda Item 5: Implementation of air traffic flow management (ATFM) in the SAM Region**

(Presented by the Secretariat)

**Summary**

This working paper presents information on the weekly ATFM teleconferences being carried out among some of the SAM States. It is proposed to extend daily communications among ATSP, analyse the airports selected over which information would be exchanged, extension of the same, and the realisation of a study for the implementation of different alternatives for teleconferences for the ATFM at regional level.

**References:**

- Action Plan for ATFM implementation in airports in the SAM Region airspace
- ATFM Course (Rio de Janeiro, Brazil, 22-26 March 2010)
- CDM Workshop (Rio de Janeiro, Brasil, 29-30 March 2010)
- State Letter LT 11/24-SA201 dated 7 April 2010.

**ICAO Strategic objectives**

*A: Safety*

*D: Efficiency*

**1 Background**

1.1 The SAM Region First Course of Air Traffic Flow Management (ATFM) was held in Rio de Janeiro, Brazil, from 22 to 26 March 2010, where different implementation aspects were analysed on Air Traffic flow management units and flow management positions (FMU/FMP) in each State, as part of the action plan for ATFM implementation, approved for the South American Region. Also, the Collaborative Decision Making (CDM) Workshop was held in the same City from 29 to 30 March.

## 2 Analysis

2.1 One of the most highlighting matters in the ATFM course was the exchange of information among concerned States, and in this connection, it was agreed to initiate weekly teleconferences of a pre-operational nature, in order to put into practice the procedures analysed and studied during the referred course.

2.2 In order to facilitate the participation of States, Boeing provided the use of a free service to carry out the teleconferences through AT&T. To this end, each State was assigned with a number 0800 from AT&T. It should also be mentioned that due to the lack of local access to this AT&T service in Bolivia, Ecuador, Guyana, Paraguay and Suriname, the corresponding numbers have not been assigned and consequently other access possibilities are being analysed. The list of numbers assigned is shown in **Appendix A** to this WP.

2.3 Since this is a trial stage, it was agreed to keep the exchange of information simple, and to carry out the same on Mondays, Tuesdays and Wednesdays at 1400UTC in three (3) Groups, integrated by SAM Region States, as shown in **Appendix B** to this WP. The airports on which there would be interest by States for exchange of information is also shown in the same Appendix. It could be that the ATFM Implementation Group might have interest in revising the airports initially selected, and if such were the case, change the list included in this Appendix.

2.4 **Appendix C** also shows an international briefing model form for teleconferences, prepared by Colombia, which could be used by the participants in the teleconference.

2.5 The ATFM Implementation Group could analyse the result of these pre-operational ATFM teleconferences and its possible expansion to daily conferences by the different ATFM units. In this connection, the Meeting could evaluate the formulation of the following Conclusion:

### ***Conclusion SAM/IG/5-XX ATFM Teleconferences in the SAM Region***

*That States of the ICAO South American Region hold daily ATFM teleconferences among the flow management units or flow management posts (FMU/FMP) in order to improve the exchange of information among participating States.*

2.6 The Group could also study different alternatives that might enable direct participation of States that do not have free-charge telephone costs, as explained in paragraph 2.2 above.

2.7 Among these alternatives, the possibility to carry out teleconferences through REDDIG could be evaluated, together with the Implementation Group for the improvement of communications, navigation and surveillance (CNS) capabilities, for en-route and terminal area operations.

2.8 The REDDIG itself does not have this capability to carry out the teleconference function, and would require a telephone line, connected to each one of the REDDIG nodes, at first through E1 digital link, in view that the teleconference capacity is for a minimum of 20 users.

2.9 Telephone lines connected to the REDDIG at the moment mostly have teleconference capability to a few users, and the necessary updating is required to carry out the teleconference function to the required capacity.

2.10 To this respect, the Implementation Group for the improvement of CNS capabilities should include within its activities a study contemplating the alternatives to carry out teleconferences to support Regional ATFM requirements.

3 **Suggested action**

3.1 The meeting is invited to:

- a) Take note of the information provided in this working paper;
- b) Evaluate the proposed conclusion shown in paragraph 2.4 above, and if appropriate, approve it for its application;
- c) Review airports selected for the exchange of information indicated in Appendix B to this working paper, and if appropriate, amend the list according to States' requirements;
- d) Review the international briefing model for teleconferences shown in Appendix C for its possible application at a regional level; and
- e) Study the different alternatives for the implementation of teleconferences at a regional level, as indicated in paragraphs 2.6 to 2.10 of this working paper.

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## APPENDIX A

### Start of Global Access Session

Following is information from Global Access, a list of numbers from Global Access and a list of numbers for Global Customer Services in order of Country.

If a country has number for Direct AT&T Direct, the audioconference requires a two-stage access. First dial AT&T Direct Number. Second, dial toll free telephone access number  
Access code for all States is: **6476271#**

Country	Direct AT&T Number	Telephone access Number	Type of access	Global Access Comment
Argentina		0800-777-3427	Free call access	
Brazil		0800-891-2781	Free call access	
Chile		1230-020-5543	Free call access	
Colombia		01-800-5-1-81059	Free call access	
Panama		001-888-482-6001	Free call access	
Peru		0800-53-960	Free call access	
Uruguay		000-411-002-3427	Free call access	
Venezuela		0800-102-9106	Free call access	

**APPENDIX B**

**GROUPS FOR ATFM TELECONFERENCE**

In order to carry out weekly teleconferences in the South American Region, States that have availability to carry out teleconferences were grouped into 3 Groups, as follows:

**GROUP 1**

Integrated by Argentina, Bolivia, Brazil, Chile, Paraguay and Uruguay

**DATE: EVERY MONDAY**

**START: 12/04/2010 - TIME: 14:00 UTC**

Exchange of information will be made based on weather conditions of airports selected shown below and relevant information that might have any impact in air traffic flow towards selected destinations.

**AIRPORTS ARGENTINA**

· EZEIZA - CÓRDOBA - AEROPARQUE (Jorge Newbery) - MENDOZA

**AIRPORTS BOLIVIA**

· LA PAZ - COCHABAMBA - VIRU VIRU

**AIRPORTS BRAZIL**

· GUARULHOS - GALEÃO - PORTO ALEGRE –

**AIRPORTS CHILE**

· SANTIAGO - IQUIQUE - ARICA

**AIRPORTS PARAGUAY**

· ASUNCION – CIUDAD DEL ESTE

**AIRPORTS URUGUAY**

· MONTEVIDEO (Carrasco) - PUNTA DEL ESTE (Laguna del Sauce)

**GROUP 2**

Integrated by Bolivia, Brazil, Chile, Colombia, Ecuador and Perú

**DATE: EVERY TUESDAY - START: 13/04/2010**

**TIME: 14:00 UTC**

Exchange of information will be made based on weather conditions of airports selected shown below and relevant information that might have any impact in air traffic flow towards selected destinations.

**AIRPORTS BOLIVIA**

· LA PAZ - COCHABAMBA - VIRU VIRU

**AIRPORTS BRAZIL**

· GUARULHOS - GALEÃO - PORTO ALEGRE –

**AIRPORTS CHILE**

· SANTIAGO - IQUIQUE - ARICA

**AIRPORTS COLOMBIA**

· BOGOTA - BARRANQUILLA - CALI

**AIRPORTS ECUADOR**

· QUITO - GUAYAQUIL

**AIRPORTS PERU**

· LIMA - CUZCO - PISCO

**GROUP 3**

Integrated by Brazil, Colombia, Ecuador, Panamá, Perú and Venezuela

**DATE: EVERY WEDNESDAY - START: 14/04/2010**

**TIME: 14:00 UTC**

Exchange of information will be made based on weather conditions of airports selected shown below and relevant information that might have any impact in air traffic flow towards selected destinations.

**AIRPORTS BRAZIL**

· GUARULHOS - GALEÃO - BELO HORIZONTE – CONFINS - MANAUS

**AIRPORTS COLOMBIA**

· BOGOTA - BARRANQUILLA - CALI

**AIRPORTS ECUADOR**

· QUITO - GUAYAQUIL

**AIRPORTS PANAMA**

· TOCUMEN - HOWARD - GELABERT

**AIRPORTS PERU**

· LIMA - CUZCO - PISCO

**AIRPORTS VENEZUELA**

· CARACAS

<b>SOUTH AMERICAN FMU TELCON FORMAT</b>					
GOOD MORNING EVERYBODY THIS IS (NAME)				FROM XX FMU	
WHO IS TALKING WITH ME PLEASE - COULD YOU SPELL YOUR NAME FOR ME PLEASE					
WE ARE GOING TO BEGIN THE SOUTH AMERICAN ATFM TELCON No 00X INFORMATION DATE (DDMMAA)				XX/XX/2010	
AT (UTC)	XX:XX:00	THIS WILL BE VALID UNTIL TOMORROW AT (UTC)			XX:XX
MAY I BEGIN...?					
WEATHER INFORMATION					
COMMON WEATHER PRODUCTS FOR XX (STATE)					
THE ICAO AREA "A" PROG CHART, VALID (UTC)		xx:xx:00 a.m.	FOR DATE (DDMMAA)		xx/xx/2010
THE ICAO AREA "A" IR SATELLITE PHOTO (UTC)		xx:xx:00 p.m.	FOR DATE (DDMMAA)		xx/xx/2010
REMARKS, SIGNIFICANT WEATHER AND ATMOSPHERIC CONDITIONS					
(convective activity, Thunderstorm activity, Turbulence, Volcanic ash clouds)					
DATA to be included					
WEATHER INFORMATION FOR XX INTERNATIONAL AIRPORT					
METAR include AIRPORT (Rwy, ceiling and visibility)		RUNWAYS XX			
TAF include AIRPORT					
(Probably light rain in the afternoon, Thunderstorm activity over the airport, Turbulence, Volcanic ash clouds)					
DATA to be included					
WEATHER CONDITIONS PREDICTED (VMC/IMC)		DATA to be included			
WEATHER INFORMATION FOR INTERNATIONAL AIRPORTS – TAF.					
(Probably light rain in the afternoon, Thunderstorm activity over the airport, Turbulence, Volcanic ash clouds)					
include AIRPORT	DATA to be included				
include AIRPORT	DATA to be included				
include AIRPORT	DATA to be included				
TERMINAL DISCUSSION					
Include AIRPORT					
AAR		30			
PROJECTED AAR	XX number of aircraft accepted	BTN (UTC)	XX:XX:00	DUE TO (NOTAM)	WX
TODAY'S DELAYS ARE XX MINUTES OR LESS / OR NOT DELAYS FOR TODAY					
EXAMPLE: Aerodrome constraints, such as construction projects or NAVAID outages					
ANTICIPATED TRAFFIC MANAGEMENT INITIATIVES					
EXAMPLE: Expanded miles-in-trail, potential airborne holding, potential ground stops					
DATA to be included					
INTERNATIONAL AIRPORTS OR TMA					
NO TMI					
ENROUTE DISCUSSION					
(Enroute constraints, such as frequency outages or NAVAID outages, route discussion and issues)					
DATA to be included					
ROUTES AND TRAFFIC AFFECTED					
DATA to be included					
ANTICIPATED TRAFFIC MANAGEMENT INITIATIVES (Expanded miles-in-trail, Potential airborne holding)					
DATA to be included					
COMMENTS AND QUESTIONS					
OPERATIONS PLAN ATCSCC					
TFM (NAME)					
MET	Name of the expert				
CNS	Name of the expert				