



International
Civil Aviation
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Международная
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гражданской
авиации

منظمة الطيران
المدني الدولي

国际民用
航空组织

LT 2/4.36-SA714

9 November 2010

To: Mr. Pierre du Bois/DIRAC, French Guiana
Mr. Zulficar Mahomed /CAD a.i., Guyana
Mr. S. Saboerali/CAD a.i., Suriname

Subject: **RLA/06/901 - ICAO Seminar on the Implementation of Aeronautical Surveillance and Automation Systems in the SAM Region**
(San Carlos de Bariloche, Argentina, 6 to 8 December 2010)

Required

Action: Your urgent reply

Dear Sir,

I wish to refer to my letter SA566 of 31 August 2010, inviting your Administration to the ICAO Seminar on the Implementation of Aeronautical Surveillance and Automation Systems in the SAM Region, which will be held in San Carlos de Bariloche, Argentina, 6 to 8 December 2010.

Note should be taken that the objective of the Seminar is to provide the participants with an exchange of experiences and relevant information for the planning and implementation of the new surveillance and automation systems in the ACCs of the SAM Region.

In this respect, please find herewith copy of the Preliminary Agenda and the paper containing general information on the event.

In accordance with the above, I will very much appreciate being informed as soon as possible, if your Administration will propose participants, in which case the attached registration form should be returned to this Office, duly completed in respect of each delegate.

Accept, Sir, the assurances of my highest consideration.

Franklin Hoyer
Regional Director
South American Office
Lima

Attachments

As indicated

cc.: Mr. Philippe Guivarch/DSNA, French Guiana
A/D/TCB



PROVISIONAL AGENDA

MONDAY, 6 DECEMBER 2010

HOUR	SUBJECT	EXPOSITOR
08:15-08:45	Registration	
08:45-09:00	Opening of the Seminar	Argentinean Civil Aviation Authority and ICAO
SESSION 1:	SAM SURVEILLANCE IMPLEMENTATION SYSTEMS, ICAO SARPS AND SURVEILLANCE USERS EXPECTATIONS	
09:00-09:30	SAM surveillance implementation plan	Onofrio Smarrelli, ICAO
09:30-10:00	Overview of aeronautical surveillance	Masoud Paydar, ICAO
10:00-10:30	Status of the works in ICAO on surveillance and collision avoidance	Masoud Paydar, ICAO
10:30-11:00	<i>Coffee Break</i>	
11:00-11:30	Surveillance roadmap – Evolution decisions	Jim Linney, FAA
11:30-12:00	Airbus solutions and roadmap for FANS and ADS B	Thierry Tin Hin, AIRBUS
12:00-12:30	Current situation awareness Boeing Cockpit and its evolution (roadmap) (ADS B out, ADS B in, CPDLC ADS C)	Boeing (TBD)
12:30-13:00	<i>Coffee Break</i>	
SESSION 2:	SSR RADAR SYSTEM	
13:00-13:30	SSR mode S coordination issues	Paydar Masoud, ICAO
13:30-14:00	New technology on SSR system	INDRA
14:00-14:30	SSR technical evolution and example of SSR system implementation in Argentina	Francisco Palano, ANAC Argentina
14:30-18:00	Visit to INVAP installation	

TUESDAY, 7 DECEMBER 2010

HOUR	SUBJECT	EXPOSITOR
SESSION 3: MULTILATERATION SYSTEM		
09:00-09:30	Introduction to multilateration	Petr Mariel and Petr Burian, ERA
09:30-10:00	Implementation criteria on WAM system installation (Example of multilateration system installation)	Petr Mariel and Petr Burian, ERA
10:00-10:30	Example of multilateration system implementation in Frankfurt	Ludmila Gonzalez, Thales
10:30-11:00	<i>Coffee Break</i>	
11:00-11:30	The United States multilateration system implementation	Jim Linney, FAA
SESSION 4: ADS SYSTEM		
11:30-12:00	ADS technical aspects	Adriana Mattos, SITA
12:00- 12:30	ADS C implementation: current status	Adriana Mattos ,SITA
12:30-13:00	<i>Coffee Break</i>	
13:30-14:00	FAA ADS B implementation programme	Jim Linney, FAA
14:00-14:30	EUROCONTROL ADS B programme	Eurocontrol (TBD)
14:30-15:00	CPDLC /ADS C implementation	Angel Lucas, ARINC
15:00-15:30	ADS B implementation in Brazil	Luiz Ricardo De Souza, Brazil
15:30-16:00	Analysis on ADS B implementation consideration and example of ADS B implementation	Michael Rauli , SENSIS

WEDSDAY, 8 DECEMBER 2010

HOUR	SUBJECT	EXPOSITOR
SESSION 5:	ACC AUTOMATION SYSTEMS	
09:00-09:30	SAM activities on the implementation of automation systems in the ACCs and the interconnection between adjacent ACCs automation systems	Onofrio Smarrelli, ICAO
09:30-10:00	Surveillance and flight plan data integration in ACC automation system	Ludmila Gonzalez, Thales
10:00-10:30	The industry and the surveillance systems – New technologies in surveillance systems, radar data processing techniques	ATECH
10:30-11:00	<i>Coffee Break</i>	
11:00-11:30	Current state and evolution of ACC Automation System	INDRA
11:30-12:00	New technology in ACC Automation System (Example of system implementation)	André Seguin, ADACEL
12:00-12:30	Conclusions and Relevant Aspects of the Seminar	ICAO
12:30-13:00	Closing ceremony and distribution of certificates	



International Civil Aviation Organization

South American Office

RLA/06/901 - ICAO Seminar on the Implementation of Aeronautical Surveillance and Automation Systems in the SAM Region

San Carlos de Bariloche, Argentina, 6 to 8 December 2010

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GENERAL INFORMATION

1. Venue and dates

The ICAO Seminar on the Implementation of Aeronautical Surveillance and Automation Systems in the SAM Region will be held at the Hotel Edelweiss, Quintral Room, in San Carlos de Bariloche, Argentina, from 6 to 8 December 2010, sponsored by the Administración Nacional de Aviación Civil (ANAC) of Argentina.

2. Address of the seminar venue

Hotel Edelweiss
San Martín 202, Centro Bariloche
San Carlos de Bariloche
Río Negro 8400, Argentina

Tel: + 54 2944 445500
Reservations: + 54 2944 445510
Fax: + 54 11 40320151
Fax Guests: + 54 2944 445500, Extension 565
Web site: www.edelweiss.com.ar

Hotel Edelweiss is located in downtown Bariloche, a few metres away from the Nahuel Huapi Lake and the city's commercial area.

3. ANAC's contact

Mr. Roberto Sarti
Chief, Communications and Public Relations Department
ANAC
Tel: + 54 11 4845 0135 / +549 11 3135 1037
E-mail: rsarti@anac.gov.ar
Web site: www.anacargentina.org

4. Language and documentation

The event will be carried out in Spanish and English, with simultaneous interpretation services. The documentation is being posted on Website <http://www.lima.icao.int>. There will be no hard copies available for distribution.

5. Participants registration

The registration will take place on Monday, 6 December 2010, from 08:15 to 08:45 hours, at Quintral Room, Hotel Edelweiss.

6. **Opening session**

The opening of the Seminar will be on Monday, 6 December 2010, at 08:45, in Quintral Room, Hotel Edelweiss.

7. **Passport, visa and vaccination requirements**

A valid passport is required to enter Argentina. Citizens from certain countries require no visa. Visitors of most countries are granted a 90-day stay and do not require a visa, only a passport. Citizens from neighbouring countries do not require passport, only an identity card. To this effect, participants are kindly requested to complete the formalities well in advance in order to obtain entry visa from the respective Argentinean embassy or consulate. In addition, to enter Argentina, it is required that people from certain countries get some vaccination. Please contact the Argentinean embassy or consulate in the home country to enquire on the matter.

8. **Temperature**

In San Carlos de Bariloche, the temperature ranges from 20°C to 5°C during the month of December, with a 13°C average and 3mm rainfall.

9. **Exchange rate**

The Argentinean currency is the Peso Argentino (ARS). The current exchange rate is approximately ARS3.90 per US\$1.00. It would be convenient to change money in Buenos Aires to obtain a better rate per Dollar or Euro, even though in Bariloche there is wide acceptance for the American dollar. In addition, official money exchange houses open every day of the week. Travellers cheques are not recommended due to the high cost of its use.

10. **Credit cards**

The following international credit cards are accepted in most stores and restaurants: American Express, Master Card, Visa, Diners Club, etc.

11. **Lodging**

The Hotel Edelweiss, site of the seminar, is suggested, which provides the following rates to all participants, including buffet breakfast, gym, sauna and pool:

- SWB/DWB Classic	US\$ 100 + IVA (21%)
- SWB/DWB Superior	US\$ 110 + IVA (21%)

Room reservations at the Edelweiss hotel are to be made directly, through telephone, fax or web site, **mentioning the Surveillance and Automation Seminar (Seminario de Vigilancia y Automatización)**.

12. **Other hotels**

HOTEL	ADDRESS	PRICE PER NIGHT US\$ (subject to change without prior notice)
PANAMERICANO***** www.panamericanobariloche.com	Av. San Martín 536/70	- Hab. SGL/DBL Superior: 130 + IVA (21%) - Hab. SGL/DBL Vista Lago: 150 + IVA (21%)
DESIGN SUITES BARILOCHE***** www.designsuites.com	Av. Bustillo Km. 2,5 (R8402AAX)	- Hab. doble STANDARD: 110 + IVA (21%) - Hab. doble JUNIOR SUITE: 125 + IVA (21%)
HOTEL CRISTAL BARILOCHE**** www.hotel-cristal.com.ar	Mitre 355	- Hab. Standard 98 + IVA (21%) - Hab. Superior 125 + IVA (21%)
LA CASCADA HOTEL**** (away from the sit of the event) www.lacascada.com	Avenida Ezequiel Bustillo Km.6	Standard Lucarna 149 + IVA (21%)

13. **Transportation**

It is recommended to request taxi service at the counters of the Bariloche International Airport arrival sector. The cost of a taxi from the airport to downtown Bariloche is approximately US\$13.00.

The Teniente Luis Candelaria international airport is 14 Km (9 miles) East of downtown Bariloche.

Buses, minubuses, remise and taxis communicate the airport with the city of Bariloche. Some hotels also provide special bus services to transport its guests.

Bariloche counts with a good taxi service.

14. **Hospitals**

In the event of urgency, the following are suggested:

- **Hospital Privado Regional**
20 de Febrero 598 - Tel.: 525000 / 523000
- **Hospital Zonal Dr. Ramón Carrillo**
F.P. Moreno 601 - Tel.: 107 / 426100

15. Commercial hours

Commercial hours are from 09:00 to 18:00 hours. Some shops are open from 10:00 to 23:00 hours, approximately.

16. Electricity

Electricity in Argentina is 220 Volts, 50 Cycles. Power outlets have either 2 cylindrical holes or 2 flat holes with ground connection. Foreigners are recommended to travel with an adapter for these power outlets in order to use the electric equipment without problems.

17. Airport tax

The airport departure tax (*tasa de embarque*) at Ezeiza or Aeroparque Jorge Newbery is of US\$29.00 for international flights and US\$8.00 for regional flights and to Uruguay.

18. Communications

In Argentina, international calls are relatively economical and efficient. Public telephones work with coins and/or telephone cards. In Bariloche, there is a wide offer of public telephone and Internet services at most lodgings, notwithstanding their category.

In the city, there are calling centres (locutorios) to obtain information, make collect calls and purchase pre-paid telephone cards. Argentina counts with well-developed data communication services. The e-mail and the Internet are well disseminated. The city has Cybercafés with Internet connection.

19. Other information

Sales tax [impuesto al valor agregado (IVA)]: applied to shopping, restaurants and other services, is of 21% and is mostly included in the total price.

Tips: Argentina has no fixed rule with regard to tips. In general, an extra 10% of the bill is left at bars and restaurants, depending on the service received. It is not a custom to leave tips to the taxi drivers, except when he/she has helped with the baggage or the passenger wishes to round-up the price. In other services, it is not compulsory to leave tips and it is up to oneself to give it or not.



International Civil Aviation Organization / Organización de Aviación Civil Internacional
South American Regional Office (SAM)/ Oficina Regional Sudamericana (SAM)
RLA/06/901 – ICAO Seminar on the Implementation of Aeronautical Surveillance and
Automation Systems in the SAM Region /
Seminario OACI sobre la Implantación de Sistemas de Vigilancia y Automatización
Aeronáutica en la Región SAM

San Carlos de Bariloche, Argentina, 6 to 8 December 2010 /
San Carlos de Bariloche, Argentina, 6 al 8 de diciembre de 2010

REGISTRATION FORM / FORMULARIO DE REGISTRO

1.	NAME NOMBRE	
2.	POSITION CARGO	
3.	ORGANIZATION ORGANIZACIÓN	
4.	COUNTRY PAÍS	
5.	TELEPHONE TELÉFONO	
6.	FAX	
7.	E-MAIL CORREO-E	
8.	OFICIAL ADDRESS DIRECCIÓN OFICIAL	

Please return this form to: / Por favor regrese este formulario a:

E-mail: mail@lima.icao.int

Fax: +51 1 611-8689

- END / FIN -