



International
Civil Aviation
Organization

Organisation
de l'aviation civile
internationale

Organización
de Aviación Civil
Internacional

Международная
организация
гражданской
авиации

منظمة الطيران
المدني الدولي

国际民用
航空组织

LT 2/6B.15
LN 3/24.1-SA418

6 July 2011

To: Mr. Pierre du Bois/DIRAC, French Guiana
Mr. Zulficar Mohamed /CAD a.i., Guyana
Mr. Stantley Betterson, Acting Director of Civil Aviation, Suriname

Subject: **Seminar/workshop on new technologies in satellite and ground networks** (Lima, Peru,
18 to 20 July 2011)

Sir,

I have the honour to refer to my letter SA270 of 29 April 2011, inviting your administration to participate in the event of reference, to take place in the ICAO SAM Regional Office premises, Lima, Peru, from 18 to 20 July 2011.

In this regard, please find herewith copy of the Draft Agenda, as well as the paper containing general information on the event.

In addition, I will greatly appreciate you inform us, if you have not yet done so, whether your State will be sending participants. If in the affirmative, I will be grateful you send us as soon as possible the registration form herein, duly completed in respect to each delegate. May I remind you of the possibility of using one fellowship sponsored by Regional Project RLA/03/901 for each State participating in this project and not counting with a national ICAO technical cooperation project approved for his State, having the interested administration to provide the air tickets to and from the host country.

Accept, Sir, the assurances of my highest consideration.

Franklin Hoyer
Regional Director
ICAO South American Office
Lima

Enclosures: *As indicated*

cc.: Mr. Philippe Guivarch/DSNA, French Guiana
ICAORD, Mexico (for Trinidad & Tobago)
C/FOS

APPENDIX A



International Civil Aviation Organization
 South American Regional Office (SAM)
Seminar/Workshop on New Technologies in Satellite and Ground Network
 Lima, Peru, 18 to 20 July 2011

5/7/11

PROVISIONAL AGENDA

MONDAY, 18 JULY 2011

HOUR	SUBJECT	EXPOSITOR
08:15-08:45	Registration	
08:45-09:00	Opening of the Seminar/Workshop	ICAO SAM Regional Director
SESSION 1: REDDIG II DIGITAL NETWORK STUDY		
09:00-09:30	Introduction Seminar/Workshop	Onofrio Smarrelli, ICAO
09:30-10:00	REDDIG current situation	Luis Alejos, REDDIG Administrator
10:00-10:30	Services requirements to support air navigation in the short, medium and long term through the Regional network	Onofrio Smarrelli, ICAO
10:30-11:00 Coffee Break		
11:00-11:30	Study of the band width requirements for the implementation of new services in the REDDIG II	Athayde Frauche, DECEA Brazil
11:30-12:30	Study of satellite, ground and mixed (satellite & ground) communications networks models for REDDIG II	Athayde Frauche, DECEA Brazil & Omar Gouarnalusse, ANAC Argentina
12:30-13:00 Coffee Break		
SESSION 2: NEW TRENDS IN SATELLITE COMMUNICATIONS NETWORKS		
13:00-13:30	Introduction to Satellite Network Technology	Luis Alejos, REDDIG Administrator
13:30-14:00	New trends in satellite communication network (modulation and multiplexing techniques, satellite access, coding techniques and error correction)	ND SATCOM
14:00-14:30	New trends in satellite communication network (modulation and multiplexing techniques, satellite access, coding techniques and error correction)	Carlos Belaustegui, SES (Argentina) and INSA, Spain
14:30-15:00	New trends in satellite communication network (modulation and multiplexing techniques, satellite access, coding techniques and error correction)	Clement Chevalier, INEO

TUESDAY, 19 JULY 2011

HOUR	SUBJECT	EXPOSITOR
SESSION 3:	NEW TRENDS IN GROUND COMMUNICATIONS NETWORK	
09:00-09:30	Introduction to terrestrial network technology	Luis Alejos, REDDIG Administrator
09:30-10:00	New trends in ground communications networks	Telefónica
10:00-10:30	New trends in ground communications networks	Daniel Coslovsky, SITA
10:30-11:00	<i>Coffee Break</i>	
SESSION 4:	SOLUTIONS PROPOSED BY THE INDUSTRY TO THE REDDIG II DIGITAL NETWORK MODEL	
11:00-12.30	REDDIG II -- network proposed solution	INEO, SITA, INSA/SES
12:30-13:00	<i>Coffee Break</i>	
13:30-15:00	REDDIG II -- network proposed solution	Telefónica, ND SATCOM

WEDSDAY, 20 JULY 2011

HOUR	SUBJECT	EXPOSITOR
SESSION 4:	SOLUTIONS PROPOSED BY THE INDUSTRY TO THE REDDIG II DIGITAL NETWORK MODEL	
09:00-10:30	REDDIG II -- network proposed solution	GILAT, Nokia System Network
10:30-11:00	<i>Coffee Break</i>	
11:00-12:30	Analysis of the proposed solutions	ICAO, States
12:30-13:00	<i>Coffee Break</i>	
13:00-14:30	Analysis of the proposed solutions	ICAO, States
14:30-15:00	Closing ceremony and distribution of certificates	

APPENDIX B

CNS Tec Red-IP/01

3/5/11



International Civil Aviation Organization
South American Regional Office - Regional Project RLA/06/901
Seminar/workshop on new technologies in satellite and ground networks
(Lima, Peru, 18 to 20 July 2011)

GENERAL INFORMATION

(Presented by the Secretariat)

1. Place and date of the event

The Seminar/workshop on new technologies in satellite and ground networks will be held at the ICAO SAM Regional Office premises, in Lima, Peru, from 18 to 20 July 2011.

2. Address of the ICAO South American Office

Av. Víctor Andrés Belaúnde 147
Vía Principal No. 102
Centro Empresarial Real, Torre Cuatro, Piso 4
San Isidro, Lima (See attached map)
Telephone: +511 611-8686
Fax: +511 611-8689
E-mail: mail@lima.icao.int

3. Opening session

Will take place on Monday, 18 July 2011, from 09:00 to 09:15 hrs, at the ICAO SAM Office's conference room.

4. Languages and documents

This event will be held in Spanish and English and will have simultaneous interpretation services. The documentation of the event will be published in the ICAO SAM Regional Office Web page: <http://www.lima.icao.int> as soon as it is available. No documentation will be distributed during the event.

5. Registration of participants

Participants are requested to first fill-in the registration form and submit it to the ICAO SAM Regional Office as soon as possible.

On Monday 18 July, the registration will be verified at the registration desk, from 08:30 to 09:00 hrs. Participants are requested to use the badges that will be supplied to them during registration.

6. Temperature

Temperature in Lima during the month of July varies from 15°C to 19°C. The average humidity is of 90% approximately.

7. **Transportation from/to the airport**

There are authorized taxi services at the Jorge Chavez International Airport. The rate to Miraflores or San Isidro (hotel areas) is of approximately US\$ 20.00. This rate can be confirmed in counters at the Airport's international arrivals area. The following taxi companies are suggested:

Eurocar	Tel: +511 222-1010 E-mail: ventas@eurocarperu.com
CMV Servicio Ejecutivo	Tel: +511 422-4838 E-mail: cmv@exalmar.com.pe

8. **Transportations to and from the site of the event**

Participants can take a taxi or walk to the SAM Regional Office, depending on the location of the selected hotel, and vice versa.

In the city, there are independent or informal taxi drivers. In view of the fact that they do not belong to a company, they do not provide any safety or guarantee. In case of taking an informal taxi, please consider that you may be at a high risk.

Companies recommended for transfers within the city:

Alo Taxi	+51 1 225-4355
Lima Remisse	+51 1 224-5529 / 99965-6639
Taxi Planet	+51 1 794-4864 / 781-7988
Tata Taxi	+51 1 274-5151
Taxi Real	+51 1 470-6263 / 470-6203
Taxi Seguro	+51 1 241-9292

9. **Suggested hotels in Lima:**

A list of hotels located close to the Regional Office may be found at the ICAO SAM Office website: www.lima.icao.int. Foreign passengers are exempted of 19% sales tax (IGV), subject to presentation of the passport during check-in.

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

To enter Peru, an updated passport and visa are requested; however, it is recommended to contact the Peruvian Embassy or Consulate in your country, to enquire on this requirement well before your departure. Please also verify if yellow-fever or any other vaccination is required.

11. **Money exchange and credit cards**

The Peruvian currency is the Nuevo Sol Peruano (S/.). Present exchange rate is S/ 2.75 per US \$ 1.00.

Credit cards as American Express, Master Card, VISA, Diners Club, etc., are usually welcome in hotels, shopping centres and restaurants. Traveller's checks should be exchanged in banks.

12. **Health attention**

In case of emergency, **Clínica Anglo Americana** is recommended, which is located in Alfredo Salazar Street, s/n, Miraflores, Tel: +51 1 616-8900.

13. **ICAO contact telephone numbers**

Mr. Onofrio Smarrelli, CNS Regional Officer372-0267
(osmarrelli@lima.icao.int)

14. **Electricity**

220 Volts/60Hz.

15. **Airport tax**

Exit airport tax is US\$ 31.00 American Dollars.

16. **Information on safety and protection**

Upon any emergency situation, kindly call the Security Officer of the ICAO South American Office, Ms. Lia Ricalde: Cell 99831*5523, or to the Operations Centre of the United Nations Safety and Security Department (UNDSS), with round the clock assistance during 365 days a year, calling the following cell phones: 99757 – 1008 or 99757 – 1003.

17. **General recommendations in the event of an earthquake**

The city of Lima is within an earthquake area.

During an earthquake

- a) Keep calm.
- b) Stay away from windows, do not go to any balconies, do not use elevators.
- c) Locate yourself in previously identified internal safety zones.
- d) Evacuate the premises only if conditions permit it; otherwise, minimize your movements.

After an earthquake

- a) Proceed to leave the premises, since quakes can continue.
- b) Evacuation must be carried out calmly, quickly and safely through the indicated routes.
- c) Stay in the evacuation site until the designated security team of the building has verified whether the installations are at risk.

ICAO Third and Fourth floor emergency exits

- a) In front of the elevator area are two emergency staircases.
- b) Both stairs end in the first floor of the building, in the main entrance area.
- c) Proceed down the staircases. Do not push or run; keep in line, move in one direction only; keep conversation to a minimum.

- d) Exit the building to allow free flow of other evacuees exiting behind you.
- e) Once outside the building and having your back to it, turn left towards the evacuation site, located across V. A. Belaúnde Avenue.
- f) Pay attention at all moment to the indications that the security team might make.
- g) You will be informed when is it safe to return to the facilities.

**PLANO DE UBICACIÓN DE LA OFICINA REGIONAL SUDAMERICANA DE OACI EN LIMA, PERÚ/
ICAO SOUTH AMERICAN REGIONAL OFFICE LOCATION MAP IN LIMA, PERU**

Av. Víctor Andrés Belaúnde 147 - Edificio 4, cuarto piso, San Isidro



APPENDIX C / APENDICE C

ORGANIZACIÓN DE AVIACIÓN CIVIL INTERNACIONAL
INTERNATIONAL CIVIL AVIATION ORGANIZATION

SEMINARIO/TALLER SOBRE NUEVAS TECNOLOGÍAS EN REDES SATELITALES Y
TERRESTRES

SEMINAR/WORKSHOP ON NEW TECHNOLOGIES IN SATELLITE AND GROUND
NETWORKS

(Lima, Perú, 18 al 20 de julio de 2011) / (Lima, Peru, 18 to 20 July 2011)

FORMULARIO DE REGISTRO / REGISTRATION FORM

1. Estado/*State:*

Organismo/*Organization:*

2. Nombre/

Name:

3. Cargo/*Position:*

4. Participa como / *Participates as:*

Delegado/
Delegate

Observador
Observer /

Ponente/
Lecturer

Instructor/
Instructor

Alumno/
Student

5. Dirección oficial /

Business address:

6. Tel.: _____

E-mail: _____

7. Hotel o dirección en la ciudad/

Hotel or local address:

8. Información de vuelo/

Flight information:

Vuelo de llegada/ fecha/ hora/
Arrival flight/ date/ hour:

Vuelo de salida/ fecha/ hora/
Departure flight/ date/ hour:

Firma / *Signature:*

Fecha / *Date:*

Por favor envíe este formulario a: / *Please return this form to:*
mail@lima.icao.int