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Международная
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منظمة الطيران
المدني الدولي

国际民用
航空组织

LT 2/6B.15
LN 3/24.1-SA270

Lima, 29 April 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)

Actions

required:

- a) **Nominate participants before 15 June 2011**
- b) **Confirm intention of delivering a presentation before 15 June 2011**
- c) **Send presentations before 30 June 2011**

Sir,

I have the honour to refer to the activities of Regional Project RLA/06/901 - *Assistance in the implementation of an ATM regional system according to the ATM operational concept and the corresponding CNS technological support*, approved by the fourth meeting of the Project's Coordination Committee, held in Lima from 1 to 3 December 2010.

Among these activities, it has been planned the seminar/workshop on new technologies in satellite and ground networks to be held in Lima, Peru, from 18 to 20 July 2011. In **Attachment A** please find the tentative Agenda of the event, to be conducted in Spanish and English with simultaneous interpretation.

The objective of the seminar/workshop is to support SAM States in the implementation of a new regional digital network to substitute the current one (REDDIG), taking into account that it has more than ten years service, as well as the difficulty in obtaining spare parts for some of their equipment.

In this respect, thanks to the support of RLA/06/901 project it has been drafted a study for the implementation of a regional digital network, which proposes as solution the configuration of a mixed network (satellite + ground). This study was circulated to all States of the Region and was presented at the fourteenth meeting of the REDDIG Coordination Committee (Lima, 16-18 March 2011) for comments.

In addition, the study was sent to some service providers of ground and satellite communications, manufacturers of equipment for ground and satellite networks and communications systems integrators. These organizations have been invited to participate in the seminar / workshop to present their proposed solutions based on the requirements of the study prepared. The study of the new regional digital network and new trends in the implementation of satellite and ground networks will be presented at the seminar / workshop.

At the end of the event, the analysis of the solutions proposed will be taken into account to amend the study of the new regional digital network, as appropriate, in order to start with the implementation process.

The seminar/workshop is mainly aimed for professional technical staff in charge of the planning and implementation of CNS systems, having wide experience in digital satellite and ground communications networks.

I am, therefore, pleased to invite your administration to participate in this seminar/workshop, communicating me the list of your representatives not later than **15 June 2011**, by sending the registration form included as **Attachment B**, duly completed in respect of each delegate.

With regard to the tentative agenda of the seminar/workshop, please note that, in addition to the presentations to be made by ICAO and the industry, possible experiences on domestic communications networks implementations that States of the Region might have carried out or are in process of carrying out would be welcomed. We would appreciate counting with the collaboration of your Administration through an exposition on that subject. In this respect, please confirm your support to the seminar/workshop with a presentation, informing us the name of the speaker, the title of the presentation, its duration, and a brief summary of its content, if possible no later than **15 June 2011**. The presentations for the seminar/workshop should be sent to this Regional Office no later than **30 June 2011** in order to have sufficient time for their translation and edition. The documentation received after this date, should be prepared in both languages by their presenters.

General information on the site of the event and other useful data will be sent in due time. In order to attend this event, you should consider the following financing alternatives:

- a) Fellowships from a national ICAO Technical Cooperation Project approved by your State;
- b) Fellowships sponsored by Regional Project RLA/03/901, providing one fellowship for each State participating in this project that does not count on the previous alternative, having the interested administration to provide the air tickets to and from the host country;
- c) Own resources of your administration, in the lack of any of the previous alternatives.

I will be grateful you inform me as soon as possible whether your Administration will propose participants who require a fellowship, by sending the ICAO fellowship nomination form duly completed with respect to each candidate, so as to be received at this Office as soon as practicable, but no later than **15 June 2010**.

The documentation of the seminar/workshop as well as working and information papers will be published in the ICAO SAM Office website: <http://www.lima.icao.int>. No documentation is foreseen for distribution during the event; therefore, it is recommended that participants bring a lap-top, or print the related documentation.

Accept, Sir, the assurances of my highest consideration.

A handwritten signature in dark ink, appearing to read 'Franklin Hoyer', with a long horizontal flourish extending to the right.

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

ATTACHMENT A

SEMINAR/WORKSHOP ON NEW TECHNOLOGIES IN SATELLITE AND GROUND NETWORKS

(Lima, Peru, 18 to 20 July 2011)

DRAFT AGENDA

Agenda Item1: **REDDIG II digital network study** (*presented by SAM Region communications experts, REDDIG Administration and ICAO*)

- a) Study the services requirements to support air navigation in the short, medium and long term
- b) Study of the band width requirements for the implementation of new services in the REDDIG II
- c) Study of models of satellite communications networks, ground and mixed (satellite & ground) for the REDDIG II

Agenda Item 2: **New trends in satellite communications networks** (*presented by the industry and communications services providers*)

- a) New modulation and multiplexing techniques and protocol in satellite digital links
- b) New multiple satellite access techniques
- c) New coding techniques and error correction in digital links

Agenda Item 3: **New trends in ground communications networks** (*presented by the industry and communications services providers*)

New modulation and multiplexing techniques and protocol in ground digital links

Agenda Item 4: **Solutions proposed by the industry to the REDDIG II satellite digital network model** (*presented by the industry and communications services providers*)

Presentation of solution proposals by the industry and communications services providers to the REDDIG II digital network study

ADJUNTO B / ATTACHMENT B

**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