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منظمة الطيران
المدني الدولي

国际民用
航空组织

Ref. ES AN 6/21 - 0247

10 April 2013

**Subject: Aeronautical Telecommunication Network (ATN) Seminar/Workshop
and First Meeting of the Task Force on the Integrated Regional
Telecommunication Infrastructure Project
(Kwa-Zulu Natal, South Africa, 10 – 14 June 2013)**

Action required: Kindly reply to Paragraphs 6 and 7 by 10 May 2013

Sir/Madam,

I have the honour to inform you that ICAO will be conducting two important events on the Aeronautical Telecommunication Network (ATN). The first event will be the ATN Seminar/Workshop (10-11 June 2013) and the second, the First Meeting of the Task Force on the Integrated Regional Telecommunication Infrastructure Project (12-14 June 2013). The objective of these meetings is to support the Region and States in the planning and implementation of the ATN.

2. I am pleased to inform you that the Air Traffic and Navigation Services (ATNS) Company of South Africa has offered to host these two events in Kwa-Zulu Natal, South Africa, and your Administration/Organization is hereby invited to participate.

ATN Seminar/Workshop

3. The ATN Seminar/Workshop will update participants on global provisions and developments pertaining to ATN as a key enabler to the implementation of the Global ATM Operational Concept's components and the Aviation System Block Upgrades (ASBU) Concept as well as Communications, Navigation, Surveillance, Information Management and Avionics Technology Roadmaps as endorsed by the 12th Air Navigation Conference (Montreal, Canada, 19-30 November 2012) and being introduced in the Global Air Navigation Plan (Doc 9750) and Regional Air Navigation Plans. The main topics of the ATN Seminar/Workshop are provided in **Attachment A** to this invitation letter. The Seminar/Workshop will be conducted in English and French languages.

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Integrated Regional Telecommunication Infrastructure Task Force

4. The main objective of the meeting is to pursue the work done by the AFI Aeronautical VSAT Networks Managers towards the development of an AFI integrated aeronautical telecommunication infrastructure, in accordance with Decision 18/28 – *Establishment of a Task Force on the AFI Aeronautical VSAT Networks Regional Project* - of the Eighteenth Meeting of the AFI Planning and Implementation Regional Group (APIRG/18, Kampala, Uganda, 27-30 March 2012).

5. The Provisional Agenda (WP/1) for the Task Force meeting is provided in **Attachment B** to this invitation letter, and the terms of reference and composition of the Task Force are provided in **Attachment C**. The Task Force meeting will be conducted in English language only and documentation will be issued in this language.

6. Your Administration/Organization is kindly requested to indicate at its earliest convenience, but in any case not later than **10 May 2013**, whether it intends to participate in these meetings to be held in Kwa-Zulu Natal, South Africa from 10 to 14 June 2013 and, if so, indicate the name(s) and designation(s) of your delegate(s) and return the registration forms provided in **Attachment D**, duly filled with their particulars.

7. Kindly also indicate if your Administration/Organization intends to submit contributions in the form of presentations, working papers or information papers.

Accept, Sir/Madam, the assurances of my highest consideration.


for **Meshesha Belayneh**
ICAO Regional Director
Eastern and Southern African Office

Attachments:

- A:** ATN Seminar/Workshop Topics
- B:** First Meeting of the Integrated Regional Telecommunication Infrastructure Task Force - Provisional Agenda for the First
- C:** Integrated Regional Telecommunication Infrastructure Task Force - Terms of reference of the Task Force
- D:** Registration Form

**Aeronautical Telecommunication Network (ATN) Seminar/Workshop
(Kwa-Zulu Natal, South Africa, 10 – 11 June 2013)**

TOPICS

1. ATN: Global Air Traffic Management Operational Concept
2. ATN: General Concept
3. ATN: Air-Ground Applications
4. ATN: Ground-Ground Applications
5. ATN: Aviation System Block Upgrades (ASBUs) and Supporting Technology
Roadmaps
6. ATN: Global and Regional Planning and Implementation

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**First Meeting of the Integrated Regional Telecommunication Infrastructure Task Force
(Kwa-Zulu Natal, South Africa, 12 – 14 June 2013)**

PROVISIONAL AGENDA

- Agenda Item 1: Election of the Chairperson of the Task Force
- Agenda Item 2: Adoption of Agenda
- Agenda Item 3: Review of AFS Operational Performance
- Agenda Item 4: Development of a Regional Project on an Integrated Aeronautical Telecommunication Infrastructure
- 4.1 Technical issues
- 4.2 Administrative issues
- 4.3 Financial issues
- Agenda Item 5: International Protection of the 3.4-4.2 GHz Band operated by Aeronautical VSAT networks
- Agenda Item 6: Future work programme of the Task Force
- Agenda Item 7: Any other business

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Integrated Regional Aeronautical Telecommunication Infrastructure – Task Force

Terms of reference

1. Vision

- a) Continue to improve safety within the AFI region.
- b) Enhance AFI aeronautical infrastructure safety.
- c) Improve the contribution of infrastructure in AFI safety endeavours.
- d) Enhance contribution of aeronautical communications infrastructure in the AFI region.
- e) Enhancement of safety through elimination of deficiencies associated with AFI aeronautical infrastructure.

2. Objectives

- a) Develop a sustainable and integrated/interoperable VSAT network to provide aeronautical telecommunications services in AFI region;
- b) Upgrade technical capabilities of the networks to comply with the ICAO SARPs and guidance material, user requirements and global best practices;
- c) Ensure financial sustainability of the networks through equitable and fair allocation of costs to States and users;
- d) Create harmonious and seamless administrative oversights for the networks;
- e) Enlist States' commitment to this initiative;
- f) Achieve the ATN concept for AFI; and
- g) Apply appropriate costs-effective technologies.

3. Deliverables

The deliverables expected from the Task Force include:

3.1. Technical

Purpose of the multinational air navigation facility/service and its operational and technical justifications.

This should include the overall plan and targets for the development and the establishment of the facility/service.

The likely implications if any, on regulations, working routines, equipment, premises and maintenance should be included. Information on the expected consequences on the overall AFI air navigation system or any part thereof should also be included.

Deliverables

- a) Detailed gap analysis based on ICAO SARPs and guidance material, user requirements and global best practices;
- b) Architectural requirements; Recommendations for a road-map, to be implemented by States; and
- c) Maintenance.

Need for an amendment to the AFI Regional Air Navigation Plan.

Assess the need if the establishment of a multinational facility/service will necessitate an amendment to the AFI Regional Air Navigation Plan, to be carried out in accordance with established procedures.

Deliverable

- Amendment proposal to the Air Navigation Plan as appropriate.

Composition of the Technical Team: Botswana, Egypt, Mozambique, Nigeria, Rwanda, France/Reunion, Somalia (CACAS), South Africa (ATNS, **Team Leader**), Swaziland, Tanzania, Uganda, ASECNA, IATA, Roberts FIR and SITA.

3.2. Financial

Financial implications and cost-effectiveness.

Related information should include estimates of the total costs of the multinational facility/service covering, as required, research and development, implementation, operation and maintenance, administration, and capital costs. how all costs incurred prior to the operational phase will be financed; assessing savings which may accrue from the implementation of the facility/service and comparing these savings to the total cost estimates; proposals as to how cost shares of States participating in the provision of the project are to be determined. Assessment needs to be provided on impact on users from charges for the facility/service concerned.

Financial aspects

The participation of States in the provision of a multinational facility/service is based on the assumption that any State having supported and agreed to the implementation of such a facility/service and making use of it should also shoulder its respective share of the costs involved.

Deliverables

- a) Cost estimates;
- b) Funding (project teams and integrated network model);
- c) Cost recovery methods (cost sharing amongst States, billing); and
- d) Maintenance.

Composition of the Financial Team: France, Kenya, South Africa (ATNS), Uganda, ASECNA (**Team Leader**) and IATA.

3.3. Administrative

Managerial implications and other contractual aspects

The participating States would need to formalize in an agreement the terms under which the multinational facility/service is to be provided. A primary aim of the agreement should be to ensure that the costs involved are shared among the participating States in a fair and equitable manner.

Deliverables

- a) Oversight model;
- b) States' commitment;
- c) Legal issues;
- d) Governance; and
- e) Maintenance.

Composition of the Administrative Team: Egypt, Namibia, Kenya (**Team Leader**), South Africa (ATNS), Tanzania, ASECNA and IATA.

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International Civil Aviation Organization

**AERONAUTICAL TELECOMMUNICATION NETWORK (ATNS) SEMINAR/WORKSHOP
AND
FIRST MEETING OF THE INTEGRATED REGIONAL TELECOMMUNICATION
INFRASTRUCTURE TASK FORCE
(Kwa-Zulu Natal, South Africa, 10 – 14 June 2013)**

ATTENDANCE NOTIFICATION AND REGISTRATION FORM

✓ Please fill and forward the form in the same (MS Word) format. Do not fax, scan or change format to PDF. ✓ Insert information in the grey empty boxes ✓ Where appropriate, click to make the appropriate selection	
1. Surname	Click to select title
2. Given Name (s)	
3. Job Title	
4. State/Organization	
5. Mailing Address	
6. Telephone	
7. Fax	
8. E-mail address	
9. Hotel	