

INTERNATIONAL CIVIL
AVIATION ORGANIZATION

ORGANIZACIÓN DE AVIACIÓN
CIVIL INTERNACIONAL



ORGANISATION DE L'AVIATION
CIVILE INTERNATIONALE

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21 June 2004

**Subject: RVSM Seminar and Fourth Meeting of the RVSM/RNAV/RNP Task Force
(Lagos, 26 – 30 July 2004)**

Action required: Reply by 10 July 2004

Sir/Madam,

1. I have the honour to invite you to the RVSM seminar and the fourth meeting of the RVSM/RNAV/RNP Task Force which will be held in the Sheraton Hotel & Towers, Lagos, Nigeria during the period 26 - 30 July 2004. The seminar and the meeting will be conducted in English.

RVSM Seminar (26 – 28 July 2004)

2. The main objective of the seminar is to assist States of the AFI Region in training their personnel involved with RVSM activities. Participants will be provided with a clear understanding of RVSM implementation requirements and be able to develop an implementation plan of the system for their own State. The seminar programme is at **Attachment A**.

RVSM Task Force/4 meeting (29 – 30 July 2004)

3. The provisional Agenda for the meeting appears at **Attachment B** to this letter and the information bulletin is at **Attachment C**. You may wish to recall that the APIRG/14 meeting instructed the Task Force to complete the RVSM Implementation Strategy/Action Plan by 31 December 2003. The plan has been completed and circulated to States for comments and action. The Third Task Force meeting held at the ICAO ESAF Office from 22 to 23 April 2004 adopted the RVSM Strategy/Action Plan for application in the AFI Region. The Task Force will update the strategy/action plan during the meeting.

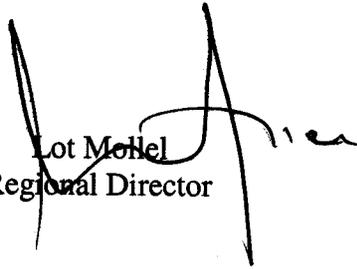
4. You will also recall that APIRG, the Air Navigation Commission and the Council of ICAO have emphasized the importance of members playing an active role by attending all meetings as well as contributing by way of working papers (WPs).

5. In this regard and in order to facilitate processing of the working papers, you should forward those prepared by you to reach this office as early as possible but not later than **10 July 2004**, preferably by e-mail.

6. Kindly advise me as soon as possible but not later than **10 July 2004** regarding:

- a) Your participation in the meeting;
- b) The name, address, telephone or fax numbers of your nominee(s) and adviser(s) if any;
- c) Any supporting documentation or working papers your nominee(s) or yourself wish to present to the meeting.

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


Lot Mollé
Regional Director

Attachments:

Attachment A:

Seminar Programme

Attachment B:

Provisional Agenda

Attachment C:

Information Bulletin



INTERNATIONAL CIVIL AVIATION ORGANIZATION

**AFRICA - INDIAN OCEAN REGION REDUCED VERTICAL
SEPARATION MINIMUM SEMINAR:
(LAGOS , 26 - 28 July 2004)**

PROGRAMME

Monday, 26 July 2004		
0830-1000	Registration	
1000-1030	Opening Ceremony	
1030-1100	<p align="center">INTRODUCTION INTO RVSM</p> <ul style="list-style-type: none"> • Background • Need for RVSM • APIRG Decision • AFI RVSM Task Force • AFI RVSM Strategy 	A. Kharuga (ICAO)
1100-1130	COFFEE	
1130-1230	<p align="center">RVSM IMPLEMENTATION PROGRAMME</p> <ul style="list-style-type: none"> • AFI RVSM Implementation Plan • AFI RVSM Programme Office • RVSM Programme Assumptions • RVSM Programme Dependencies • RVSM Programme Risk Assessment • AFI RVSM Airspace • RVSM Procedures • RVSM System Performance Monitoring • ATS Services • Air Crew and Aircraft 	Vic Van Der Westhuizen (ICAO)
1230-1400	LUNCH	

1400-1500	RVSM Lessons Learned <ul style="list-style-type: none"> • Environmental Benefits • RVSM Operations • Daily Traffic • Vertical Traffic Distribution • Certification Experience • Operator Experience • Monitoring Height Keeping Performance • Time Scales • Process 	
1500-1530	COFFEE BREAK	
1530-1630	AIRCREW REQUIREMENTS <ul style="list-style-type: none"> • Global Requirements • RVSM MASPS • RVSM Approval requirement • JAA Guidance Material • Current RVSM Approved Aircraft • RVSM Performance Criteria • Aircraft Systems • RVSM Operating Limitation • System Certification • Airworthiness Approval • Airworthiness Maintenance • RVSM Approval Application • Pre-Flight • Prior to RVSM Entry • Post Flight • Flight Crew Training • Regional Procedures • RVSM and ACAS • Wake Vortex Turbulence • ADR and Turbulence Reports 	TBD

Tuesday, 27 July 2004

0830-1030

AIR TRAFFIC MANAGEMENT

TBD

Flight Rules and ATC Clearances

- Background
- Flight Rules
- ATC Clearances

Procedures for State Aircraft

- Definition
- State Aircraft as General Aviation
- State Aircraft as OAT
- RVSM Approved State Aircraft
-

Vertical Separation Minima

- RVSM Approved Aircraft
- RVSM and Non-RVSM Aircraft
- Transition Airspace
- Communication Failure
-

Flight Planning

- Item 10
- Item 8
- Repetitive Flight Plans
- Item Q in RPL
- Modification Message
- Non-RVSM Status
- Formation Flights
- Item 15
- Non-RVSM Operations

RVSM Transition

- Appropriate Flight Level
- ICAO Table of Cruising Levels
- Transition Procedures
- RVSM & Non-RVSM Aircraft
- Non-RVSM Environment
- Non-RVSM Approved Civil Aircraft
- Destination Aerodrome within Lateral Limits of RVSM Airspace
- Departure & Destination Aerodrome within Lateral Limits of RVSM Airspace
- Entering and Transiting Lateral Limits of RVSM Airspace

Tuesday, 27 July 2004

1030-1100

COFFEE

Tuesday, 27 July 2004

1100-1230

Air Traffic Management

- ATC Clearances
- ATC Procedures
- ATC Phraseology
- ATC Training
- Inter-Centre Letters of Agreement
- Inter-Centre Coordination

TBD

1230-1400

LUNCH

1400-1500

Air Traffic System Support

- ATC System Adaptation
- Flight Data Processing Systems
- Flight progress Strips
- Radar Display Systems
- Online Data Interchange
- Short and Medium Term Conflict Alert

TBD

1500-1530

COFFEE

1530-1630

HEIGHT MONITORING

- ICAO Prerequisites
- Monitoring RVSM Airspace
- Monitoring Process Objectives
- Required Measured Height Keeping Performance
- Key Elements of Monitoring Process
- Aircraft Height Keeping Accuracy
- Height Monitoring Units
- GPS Monitoring Units
- User Involvement
- Identification of Aircraft
- Monitoring Decision
- Safety Assessment Data
- Regional Monitoring Agency
- Responsibility of State Authorities

TBD

Wednesday, 28 July 2004

Wednesday, 28 July 2004		
0830-1000	ATC TRAINING	TBD
1000-1030	COFFEE	
1030-1230	<p style="text-align: center;">RVSM SAFETY ASSURANCE</p> <ul style="list-style-type: none">• Overall Safety Requirements• RVSM Safety Management• Stakeholder Responsibilities• Development Phases of Overall RVSM Safety Case• ICAO RVSM Target Level of Safety (TLS)• ATM and Safety Objective• RVSM Safety Policy• RVSM Safety Objectives• RVSM Safety Policy Deliverables<ul style="list-style-type: none">- RVSM Functional Hazard Report- Collision Risk Assessment Report- National Safety Plan• Switch-Over Planning CVSM to RVSM• Switch-Over Risk Analysis	TBD
1230-1400	Lunch	
1400-1430	Operator Perspective	IATA
1430-1445	Closing Remarks	ICAO



INTERNATIONAL CIVIL AVIATION ORGANIZATION

FOURTH MEETING OF THE RVSM/RNAV/RNP TASK FORCE

(LAGOS, 29 – 30 JULY 2004)

PROVISIONAL AGENDA

Agenda Item 1

Review and follow-up action of conclusions of third meeting of RVSM/RNAV/RNP Task Force.

Agenda Item 2

Review of RVSM Strategy/Action Plan.

Agenda Item 3

Any Other Business.



INTERNATIONAL CIVIL AVIATION ORGANIZATION

RVSM Seminar and Fourth meeting of RVSM/RNAV/RNP Task Force (Lagos, 26- 30 July 2004)

INFORMATION BULLETIN

1. Organization, Site and Dates

The RVSM Seminar and the Fourth meeting of RVSM/RNAV/RNP Task Force will be held in the conference room of the Sheraton Hotel & Towers in Lagos, Nigeria, from 26 to 30 July 2004.

2. Nigerian Airspace Management Agency (NAMA)

The Nigerian Airspace Management Agency (NAMA) is located at Murtala Mohammed Airport, Ikeja, Lagos.

Telephone number : (234) –1 – 4977573/ (234) –1 –493 1140-8 , PABX.
Fax : (234) –1 – 4970870
E-mail : rraheem2002@yahoo.com

3. Language

The seminar and the meeting will be conducted in English language.

4. Opening session

The opening session of the meeting will take place on Monday, 26 July 2004 at 0930 hours.

Subject to confirmation by the meeting, the work schedule will be as follows:

Monday to Friday: 0830 - 1630 hours

5. Registration

The registration of delegates/participants will take place at the meeting registration desk near the conference room on 26 July 2004 at 0830 hours.

6. Secretariat of the Meeting

Mr Apolo Kharuga, Regional Officer ATM (RO/ATM) from the ICAO ESAF Office will be the Secretary of the meeting. Regional Officer in ATM field from the ICAO WACAF Office and the AFI RVSM implementation Consultant will assist the Secretary.

7. Passport and VISA requirements

Nigeria entry visas are not required from nationals of ECOWAS member States. Participants are therefore advised to ascertain whether or not they are exempt from the Nigeria entry visa requirements prior to departure.

8. Exchange Rate

The currency used in Nigeria is the Naira. The Nigerian Naira exchange rates are determined by the inter bank trade which varies daily. The mean rate for 1 United States Dollar in July is approximately 130 Naira. The exchange of money should be made in banks or authorized places.

9. Transportation

Transportation to and from the meeting site will be provided to participants. The bus will depart from the Airport Hotel at 0740 hours, to Hotel Support-0755, to Lagos Travel Inn-0805, to Sheraton Hotel at 0815 hours everyday.

10. Climate

Average temperature in Lagos in July is around 30° C. In normal circumstances, the month of July is sunny.

11. Health

A yellow fever vaccination certificate is mandatory. Visitors to Nigeria arriving from cholera infected areas should have valid vaccination certificates.

12. Airport Tax

Departing passengers are required to pay airport Tax of USD\$35, if this is not already incorporated in the ticket fare.

13. Lodging

The Hotels indicated herein are conveniently located in relation to the bus route. The rates quoted are those in effect as of May 2004 and are subject to confirmation on placement of reservation. Participants are asked to make their own reservations direct.

HOTEL LIST/ LISTE DES HOTELS			
LAGOS			
Name/Nom	Address/Adresse/tel	E-Mail/FAX/OBS/RMK	Rate in \$ US/ Prix en \$ US
Lagos Sheraton Hotel & Towers	Ikeja Tel. : 01-4978660-9	reservation-lagosnigeria@sheraton.com FAX: 01-4970321-2	242.00
Airport Hotel Lagos	Ikeja Tel. : 01-4937573	laph@rcl.nig.com FAX: 01-4978670-9	65.00
Lagos Travel Inn	Ikeja Tel. : : 01-4970794-5	Lagos travel inn@skannet.com FAX : 01-4970788	100.00
Hotel Support	Ikeja Tel.: 01-7730601 01-4960411	FAX: 01-3453350	90.00
Reliance Royal Suites	Ikeja Tel. : 01-4930781	Enquiries@reliancesuite.com FAX: 01-4933211	70.00

These rates are subject to change without notice/ Ces tarifs peuvent changer sans préavis

DB= Double, Bed & Breakfast; SBB= Single, Bed and Breakfast, SO, DO= Bed only.
SUO= Suite, Bed only

Note: When making their reservations, delegates should specify that they are attending an ICAO meeting in order to be accorded special rates for ICAO.

- END -