



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

BUREAU AFRIQUE OCCIDENTALE ET CENTRALE / WESTERN AND CENTRAL AFRICAN OFFICE

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SR 3/80 – 0230

24 March 2009

Subject: First Meeting of the SAT/14 Task Force (Sal, Cape Verde, 10-12 June 2009)

Action required : Please reply no later than 30 April 2009

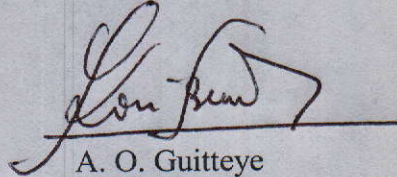
Sir/Madam,

1. I have the honour to inform you that the First Meeting of the SAT/14 Task Force (SAT/14/TF/1) will take place at the Sal Oceanic Control Center, Cape Verde, from 10 to 12 June 2009, and your Administration/Organization is hereby invited to participate.
2. The Task Force will review the SAT/14 Report and progress matters related to the SAT Group work programme as defined by SAT/14, with emphasis on matters assigned to the SAT/ATM Working Group, SAT/IAS Study Group and SAT/CNS Working Group. The meeting will also have the opportunity to revise the progress of the SAT Migration Plan Working Group (MP/WG). The terms of reference and composition of SAT ATM Working Group, SAT/IAS Study Group, SAT/CNS Working Group and MP/WG are shown at **Attachments A1 to Appendix A4** hereto.
3. The provisional Agenda (WP/01) for the meeting is attached hereto as **Appendix A**. The information bulletin (IP/01) for the meeting is attached hereto as **Appendix B**. Kindly note that the meeting will be conducted in the English language only.
4. Your Administration is particularly invited to:
 - a) Confirm by electronic mail to: icaowacaf@dakar.icao.int or mail@lima.icao.int or fax to +221 33 823 69 26 or +511 611 8689 its intention to participate and accordingly provide the names and functions of its representatives as soon as possible, but in any case not later than April 30, 2009; and

.../...

- b) Prepare and send to the corresponding Regional Office copies of working and/or information papers (if any) to be presented on the basis of the proposed Agenda. The working and/or information papers should be sent to the Regional Office concerned at your earliest convenience but not later than 08 May, 2009.

Please accept, Sir/ Madam, the assurances of my highest consideration.



A. O. Guitteye
ICAO Regional Director
Western and Central African Office

for

Attachments: A-Draft Agenda

A1-ATM/WG TOR and Work Programme

A2-IAS/SG TOR and Work Programme

A3-CNS/WG TOR and Work Programme

A4-MP/WG TOR and Work Programme

B-Information Bulletin

INTERNATIONAL CIVIL AVIATION ORGANIZATION

First Meeting of the SAT/14 Task Force

(SAT/14/TF/1)

(Sal, Cape Verde, 10-12 June 2009)

Draft Agenda

1. Review of SAT/14 Report
2. Review Migration Plan/TF Report
3. Flight plan availability in the South Atlantic
4. Implementation of AORRA Phase 2
5. Improvement of the airspace structure in the EUR/SAM Corridor
 - a. Analysis of the current operational situation
 - b. Implementation of RNP/4
6. Review Contingency Plans for the EUR/SAM Corridor
7. Any other business

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ATTACHMENT A1

**TERMS OF REFERENCE, WORK PROGRAMME AND COMPOSITION OF THE SAT
ATM WORKING GROUP (ATM/WG)**

- Considering the evolutionary implementation of CNS/ATM systems in areas of routing AR1/HA1 and AR2/HA8 as defined in the Global Air Navigation Plan (ICAO Doc 9750), the Task Force should explore ways and means to achieve further enhancements in ATM capacity and aeronautical telecommunications, and to implement CNS/ATM elements taking into consideration the timescales agreed for these areas of routing. It will be guided by the requirements identified in the AFI and CAR/SAM CNS/ATM Implementation Plans.
- *Note: The Task Force will adopt a pragmatic approach and may set up auxiliary bodies to carry out specific tasks, as necessary.*

WORK PROGRAMME

TASK No.	SUBJECT	TARGET DATE
1.	Analyze ATM deficiencies and make proposals for their elimination.	Continuous
2.	Monitor pre-implementation/post-implementation safety assessments (as applicable) for RVSM and RNP operations in the South Atlantic, including adjacent areas.	<i>Continuous</i>
3.	Study and evaluate RVSM, RNP/RNAV procedures applicable in the AFI/CAR/SAM and EUR/SAM Interface areas.	Continuous
4.	Monitor flight plan availability and propose appropriate corrective measures.	Continuous
5.	Oversee FANS 1/A system performance monitoring to ensure that the system continues to meet safety and interoperability requirements and that operations and procedures are working as specified.	Continuous
6.	Carry out studies on the establishment of a central reporting agency (CRA) and related institutional issues	Completed
7.	Harmonize ADS/CPDLC programmes developed by SAT States/FIRs and analyze cost-benefit aspects related to their implementation.	Continuous
8.	Maintain ADS/CPDLC operational guidance material updated.	Continuous
9.	Conduct studies related to the implementation of the Global ATM Operational Concept and other enabling concepts within the SAT area.	Continuous
10.	Continue studies related to the implementation of the AORRA airspace.	Continuous

- *Note: The ATM/WG should take appropriate action on pressing issues and submit its proposal to the SAT/15 meeting.*

COMPOSITION

- *The Task Force of multi-disciplinary nature shall comprise of experts from States responsible of FIRs in AFI and SAM routing areas AR1/AH2 and AR2/AH8 as defined in the Global Air Navigation Plan (ICAO Doc 9750), and experts from adjacent FIRs and international organizations.*
- *Rapporteur: Spain*
- *Tasks Nos. 5, 6, 7 and 8 are assigned to the SAT established FANS-1/A Interoperability Team (FIT) with South Africa as Team Leader.*
- *Working arrangements: The ATM/WG should complete its work and submit its proposal to the SAT Group. The ATM/WG should work through electronic correspondence prior to meetings.*

ATTACHMENT A2

TERMS OF REFERENCE, WORKING PROGRAMME AND COMPOSITION OF THE SAT STUDY GROUP ON THE IMPROVEMENT OF THE AIRSPACE STRUCTURE IN THE EUR/SAM CORRIDOR (IAS/SG)

- To develop a strategy for the short-term, mid-term and long term for the implementation of a new airspace structure in the EUR/SAM Corridor with the end to improve the capacity and efficiency of the operations and to meet users needs.

WORK PROGRAMME

TASK No.	SUBJECT	TARGET DATE
1.	Analyze the current operational situation within the EUR/SAM Corridor taking into account statistics and users needs.	Completed
2.	Explore ways and means to restructure the EUR/SAM Corridor airspace	Completed
3.	Develop a short term plan using the current separation standards based on RNP10, including the implementation of new ATS routes.	Completed
4.	Analyze the advantages of introducing unidirectional ATS routes.	Completed
5.	Study the feasibility of implementing RNP4, using ADS/CPDLC functionalities.	SAT/15
6.	Continue studies to implement a random routing area, using ADS/CPDLC functionalities.	SAT/15
7.	Develop necessary cost benefit analysis for the different options.	SAT/15
8.	Establish means to develop the safety assessment for the different implementation options.	SAT/15
9.	Develop an action plan for the different implementation options.	SAT/15

COMPOSITION

- Brazil, Cape Verde, France, Portugal, Senegal, Spain, Trinidad and Tobago, United States, ASECNA and IATA.
- *Rapporteur: Spain.*
- *Working arrangements: The IAS/SG should take the appropriate action to complete its work and submit its proposals to the next meeting of the SAT Group. The IAS/SG should work through electronic correspondence prior to meetings.*

ATTACHMENT A3

TERMS OF REFERENCE, WORK PROGRAMME AND COMPOSITION OF THE SAT CNS WORKING GROUP (CNS/WG)

- Considering the CAR/SAM and AFI Air Navigation Plans, the SAT CNS/WG should explore ways and means of achieving further enhancements in ATM efficiency within in areas of routing AR1/HA1 AR-2/HA8 as defined in the Global Air Navigation Plan (ICAO Doc 9750), by resorting to emerging technologies and, in particular, by taking advantage of rationalization, integration and harmonization of systems where appropriate.
- Implementation of new systems should be sufficiently flexible to accommodate existing and future services in an evolutionary and cost-effective manner.
- The associated institutional arrangements shall not inhibit competition among service providers complying with relevant ICAO Standards, Recommended Practices and Procedures.

WORK PROGRAMME

TASK No.	SUBJECT	TARGET DATE
1.	Analyze CNS deficiencies and make proposals for their elimination.	Continuous
2.	Carry out, as required, studies on the use of existing VSAT networks potentialities to cater for aeronautical telecommunication requirements in the SAT area. Such studies should include coordination issues, service channel interfaces, monitoring and control, system architecture, new services, user interfaces and bandwidth monitoring.	Continuous
3.	Undertake investigations on the lack of flight plans, including individual cases, with emphasis on the aeronautical fixed telecommunication network (links, switching centres, routing directory and transit time statistics).	Continuous
4.	Carry studies and make proposals to achieve end-to-end interoperability of ATM applications, in accordance with the ATM global operational concept.	SAT/15
5.	Evaluate the feasibility of using existing or emerging digital VSAT networks (AFISNET, CAFSAT, REDDIG, SADC, etc.) to support ATS data link applications in an ATN environment.	SAT/15
6.	Considering the implementation time-frames in the AFI and SAM CNS/ATM implementation plans, address cost-benefit aspects for the use of CNS/ATM applications (as required).	Continuous
7.	In coordination with SAT ATM/WG, share relevant technical aspects of different ADS/CPDLC Systems to be implemented by SAT States addressing issues regarding work methodology, procedures, data interchange, maintenance, etc.	SAT/15
8.	Analyze all aspects related to the implementation of ATS-N5 protocol in the SAT area in accordance with ICAO guidance material contained in Annex 10 and Doc. 9804	SAT 15

COMPOSITION

- The CNS/WG being of multi-disciplinary nature shall comprise of experts from States responsible of FIRs in the area concerned, experts from adjacent FIRs and international organizations and the aeronautical industry.
- **Rapporteur:** Senegal.
- **Task Team leaders:** ASECNA (Tasks. Nos.2 and 4), South Africa (Task No.7)
- **Working arrangements:** The CNS/WG should complete its work and submit its proposal to the SAT. The CNS/WG should work through electronic correspondence prior to meetings.

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ATTACHMENT A4

TERMS OF REFERENCE, WORK PROGRAMME AND COMPOSITION OF THE SAT MIGRATION PLAN WORKING GROUP (MP/WG)

<p>Considering that the IS-801 (CAFSAT Satellite) will be out of service in October 2008, the MP/WG must face this issue as a matter of urgency and develop a Migration Plan that considers all steps to be followed for a successful and on time migration with minimal operative and cost impact.</p>		
WORK PROGRAMME		
TASK No.	SUBJECT	TARGET DATE
1	Study and select available satellites that may meet, in terms of service, coverage and cost, the parameters offered by IS-801 up to date	June 15, 2008
2	Develop a Migration Plan schedule	July 1, 2008
3	Coordinate the perform of D-Day migration in order to minimize the impact on the operative services	September 2008
4	Conduct and coordinate the hole global process	
COMPOSITION		
<ul style="list-style-type: none"> • The MP/WG shall comprise of experts from States with AFSAT stations in service. INSA, INTELSAT and providers as observers. • <i>Team leader and Rapporteur: Spain</i> • <i>Working arrangements: The MP/WG should work through electronic correspondence.</i> 		



Appendix B

INTERNATIONAL CIVIL AVIATION ORGANIZATION

Fourth Meeting of the FANS I/A Interoperability Team (SAT/FIT/4)

(Sal, Cape Verde, 8-9 June 2009)

First Meeting of the SAT14/Task Force (SAT/14/TF/1)

(Sal, 10-12 June 2009)

Information Bulletin

1. Organization, site and dates

The meetings will be held from 8 to 12 June 2009 at the premises of the New Sal Oceanic Control Centre located in the environs of the Amilcar Cabral International Airport and will be sponsored by ASA- Empresa Nacional de Aeroportos e Segurança Aérea, the Cape Verdean Agency for Airports and Air Navigation Services.

2. Contact Person

All contacts should be addressed to *Mrs. Madalena Lélis*:

Telephone number : + 238-2411372/2411394
 Mobile telephone : +238-991 3632
 Fax: : + 238-2411323
 Email: : mlramos@asa.cv

3. Passport and Visa requirements

All travelers arriving in Cape Verde should have a valid passport. Cape Verdean entry visas are not required for ECOWAS nationals and of some other countries. Participants are therefore advised to ascertain whether or not they are exempt from visa requirements prior to departure. For those who are not exempt the organization can arrange for entry visa granting upon arrival. Participants on these conditions should report to the Contact Person and forward in advance the following:

- Copy of the passport
- Printed relevant passport data (Number, validity and full identification of the bearer)
- Date of arrival and flight number

The payment of the visa at the amount of 23 Euros (Escudos 2,500) must be made in cash by the applicant.

4. Exchange Rate / Credit cards

The currency used in Cape Verde is the Escudos. Presently, the exchange rate is equivalent to 110 Escudos for 1 Euro and 80.50 Escudos for 1 US Dollar. A 24-hour Exchange Agency is located at the airport as well as main bank agencies in Espargos and Santa Maria. Most of the hotels accept Euros and US Dollars.

American Express and Visa cards are usually accepted in some hotels. Most of the restaurants do not accept credit cards.

5. Local transportation

The organization of the meeting will provide transportation from/to the airport and from/to the site of the meeting. Participants are kindly requested to report to the Contact Person their flight details (arrival and departure dates, flight numbers and hours) and elected hotels during the meeting.

Taxi and mini-bus services are available. The airport taxi tariff to the main hotels in Santa Maria is approximately 800 Escudos during daytime and 1 000.00 Escudos during nighttime. Between Airport and Espargos is approximately 150.00 Escudos.

6. Lodging/Hotel reservations

A list of selected hotels is enclosed. The hotel rates quoted are subject to confirmation when making reservations.

The organization of the meeting will be pleased to make reservations on behalf of the participants on their request. For this purpose participants are kindly requested to report to the Contact Person.

7. Climate

In June, the average temperature in Sal Island is 27 degrees Celsius

8. Health

If necessary, the following medical facilities are recommended:

- **Delegacia de Saúde do Sal** : Espargos, Tel. 2411 130
- **Centro de Saúde de Santa Maria**: Vila de Santa Maria, Tel. 2421 130

The airport Medical Centre, approximately 150 metres from the site of the meeting is available 24 hours per day for the participants in need of first medical care.

9. Electricity

220 Volts/50 Hertz.

10. Tax service

15% VAT is applied in the restaurants, hotels and in most of the purchases and services.

NAME	LOCATION	PHONE	FAX	Email	SINGLE		DOUBLE	
					CVE	Euro	CVE	Euro
Adeamentos Turísticos								
Murdeira Village	Murdeira	2411604/2598/2550/2308	2411605	reservas@murdeiravillage.com	5,300.00	48.00 €	6,678.00	61.00 €
APARTHOTELS								
Sta Maria Beach	Santa Maria	2421450	2421478	santamaria_beach@yahoo.com.br	3,710.00	34.00 €	5,300.00	48.00 €
HOTELS								
Atlântico	Espargos	241210/1058/1467	2411522	hotelatlantico@cvtelecom.cv	3,500.00	32.00 €	4,600.00	42.00 €
Pousada da Luz	Santa Maria	2421138/1286/1757/1758	2421088		3,500.00	32.00 €	5,000.00	45.50 €
Sab Sab Sai	Santa Maria	2421300/01	2421161	director@hotelsabsab.com	3,500.00	32.00 €	5,000.00	45.50 €
Vila Crioula	Santa Maria	2421615/1654/1622	2421376	crioulahotel@cvtelecom.cv	5,000.00	45.50 €	6,000.00	54.50 €
Djadsal Holiday Club	Santa Maria	2421170	2421070	reservas@hoteldjasal.com	6,500.00	59.00 €	7,200.00	65.50 €
Dunas de sal	Santa Maria	2422060/9050	2429053	geral@hoteldunasdesal.com	6,600.00	60.00 €	8,800.00	80.00 €
Morabeza	Santa Maria	2421020	2421005	infos@hotelmorabeza.com	8,670.00	81.00 €	12,060.00	113.00 €
Belorizonte	Santa Maria	2421045/80/1382	2421210	belorizonte@oasisatlantico.com	10,806.00	98.00 €	13,452.00	122.00 €
					13,122.00	119.00 €	16,429.00	149.00 €
Novorizonte (Tudo Incluído)	Santa Maria	2421045/1558	2421210	novorizonte@oasisatlantico.com	14,775.00	134.00 €	18,525.00	168.00 €
Ordjo d' água	Santa Maria	2421400/14/44/2400	2421430	hodjodague@cvtelecom.cv	6,400.00	60.38 €	10,000.00	94.34 €
Riu Funaná (Tudo Incluído)	Santa Maria	2421868/9060/70/80	2429088/41	clubhotel.funana@riu.com	13,452.00	122.00 €	19,848.00	180.00 €
Sobrado	Santa Maria	2421720	2421715	hotelsobrado@cvtelecom.cv	4,950.00	45.00 €	6,065.00	55.00 €
Vila Farol (Tudo Incluído)	Santa Maria	2421723/30/25	2421730	farol_recep@hotels.apitounworld.it	7,500.00	68.00 €	10,000.00	91.00 €
Pontão	Santa Maria	2421451/53/8060/8063	2421455	tpontoa@cvtelecom.cv	4,830.00	46.00 €	6,300.00	60.00 €
					7,350.00	70.00 €		
					9,765.00	93.00 €		
GUEST HOUSES								
Pensão Les Alizée	Santa Maria	2421446	2421008	lesalizes@cvtelecom.cv	4,400.00	40.00 €	6,300.00	57.00 €
Pensão Nha Terra	Santa Maria	2421109/1311	2421534	nhaterra@hotmail.com	4,000.00	36.30 €	5,000.00	45.35 €
Pensão Paz e Bem	Espargos	2411782	2411790	pensaopazbem@cvtelecom.cv	2,120.00	19.25 €	3,180.00	28.85 €
Pensão Relax	Santa Maria	2421680	2421586	pensaorelax@yahoo.com.br	4,400.00	40.00 €	5,500.00	50.00 €
Pensão Horizonte	Espargos	2413561	2413745	pensaohorizonte@hotmail.com	2,500.00	23.00 €	3,000.00	27.00 €
Residencial Santos								
	Espargos	2411900/3599	2412695		3,000.00	27.00 €	4,000.00	36.00 €
Residencial Monte Sentinha								
	Espargos	2411446		barviolao@cvtelecom.cv	3,000.00	27.00 €	3,500.00	32.00 €
							4,000.00	36.00 €