**INTERNATIONAL CIVIL AVIATION ORGANIZATION
EASTERN AND SOUTHERN AFRICAN OFFICE**

Sixth Meeting of the APIRG Communications Sub-Group : Nairobi

24-26 September 2002

Agenda Item 4: SADC VSAT Network Status and Development

(Presented by the Air Traffic and Navigation Services Company, South Africa)

Abstract

This paper reports on the current status of the SADC VSAT network and reports on other developments that are taking place in respect thereof.

1) **Background**

The objectives of the SADC VSAT project were to:

- Provide ATS/DS between adjoining FIRs in the SADC Region including neighbouring States that want to join the SADC Network;

- Provide an AFTN network for the SADC Region including neighbouring States that want to join the SADC Network; and

- Interconnect with other communications networks in the Region or other Regions.

2) **Discussion**

The table below shows the current status of VSAT integration at the various remote sites.

Other developments includes:

- Signing of a contract with Burundi to provide a VSAT terminal in Bujumbura. After negotiation regarding contractual issues this project is ready to commence.
- A SADC Task Force has been formed to discuss and formulate proposals on the way forward in respect of the SADC VSAT network. Issues that will be deliberated includes:
    - Technical aspects
    - Institutional and governance issues
    - Expansion of the current VSAT system
    - Integration with other networks

3) **Action by Study Group**

The meeting is invited to take note of the work done by ATNS to date in respect of the implementation of AFTN and ATS/DS circuits in the Southern African region.

SADC VSAT : Integration Status - 30 August 2002						
Country	Location	AFTN	ATS/DS	UPS provided	AFTN circuit details	Contract signature status	Remarks
Angola	Luanda	Integrated with in country switch	Aristel Voice switch installed	Yes	1 200 bps	Yes	Replacement of telephone instruments with Aristel PABX has been completed on 25/06/2002. Additional VSAT training to be completed by 3/07/2002. AFTN integrated with ENANA owned Denro switch.
Botswana	Gaborone	AFTERM installed	Integrated with in country switch	-	50 bps	Contract to be finalised with ATNS	Temp. AFTERM installed pending integration with new switch when available.
DRC	Kinshasa	AFTERM installed	Aristel Voice switch installed	Yes		Yes	Completed
Lesotho	Maseru	AFTERM installed	Telephone instrument	-		Yes	No requirement for Voice switch
Malawi	Lilongwe	AFTERM installed	Aristel Voice switch installed	Yes		Yes	Completed
Mauritius	Plaisance	Integrated with in country switch	Integrated with in country switch	Yes		To be finalised by Mauritius	Completed
Mozambique	Maputo	AFTERM installed	Aristel Voice switch installed	Yes		Awaiting final approval from Mozambican Authorities	Completed installation of AFTERM and Aristel PABX on 29/05/2002.
Mozambique	Beira	AFTERM installed	Aristel Voice switch installed	Yes		Awaiting approval from Mozambican Authorities	Completed installation of AFTERM and Aristel PABX on 01/06/2002.
Namibia	Windhoek	Integrated with in country switch	Aristel Voice switch installed	-		Yes	Completed installation of Aristel PABX on 16 May 2002. AFTN integrated with CAA owned AFGATE switch.
Swaziland	Matsapha	AFTERM installed	Telephone instrument	-		Yes	No requirement for Voice switch.
Tanzania	Dar es S	AFTERM installed	Integrated with in country PABX	Yes		Yes	Temp. AFTERM installed pending integration with new switch when available in Dec 2002. ATS/DS integrated with TCAA owned Lucent PABX (60540 Partner Model 206).
Zambia	Lusaka	Integrated with in country switch	Aristel Voice switch installed	Yes		Yes	Completed. AFTN integrated with CAA owned Comsoft switch.
Zimbabwe	Harare	Integrated with in country switch	Integrated with in country switch	Yes		Yes	Completed. AFTN integrated with ZCAA owned Comsoft switch.
Madagascar	Antananarivo	To be integrated with in country switch	To be integrated with in country switch	No		Yes	Installation scheduled to commence on 7 October 2002, commissioning scheduled for 21 October 2003