



INTERNATIONAL CIVIL AVIATION ORGANIZATION
WESTERN AND CENTRAL AFRICA OFFICE

Eighteenth Meeting on the improvement of Air Traffic services over the South Atlantic (SAT/18)

(17-19 July 2013, Dakar, Senegal)

Agenda Item 3: *Communications, Navigation and Surveillance (CNS)*

(Presented by Angola)

SUMMARY

<p><i>This Information Paper presents the current status of development of the Plan of Action for restoration of the currently unserviceable VSAT VHF ER System of the Luanda Continental FIR.</i></p>
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1. INTRODUCTION

- 1.1 In the year of 2011 the Angola Air Navigation Provider ENANA installed a VSAT VHF network for extended coverage of the Air/Ground VHF voice communication within the Luanda Continental FIR.
- 1.2 The system consists of one Hub + six VSAT's stations in order to ensure full coverage of the airspace. Nevertheless, the system revealed some installation and integration deficiency that caused an intensifying lack of VHF coverage in the continental airspace over the time, to the point that the system has to be put out of service.
- 1.3 Currently, the whole VSAT VHF ER System is unserviceable despite the recent actions taken by ENANA with the provider, ND-SATCOM . It appears that both lacks of headsets and mismatched connectors on the controller position may have caused the disruption of VHF service on the continental airspace at the Luanda FIR.

2. DISCUSSION

Angola Air navigation Service Provider ENANA has a plan of action to restore gradually the operation of the current unserviceable VSAT VHF ER System.

2.1 Current Status

- Closing the purchasing process of a VCCS that will be installed in the ACC. This equipment may cancel the unavailability of the VHF functions.
- Closing the purchasing process of 100 Headsets and some connectors that are underway in order to ensure operation of the system with minor deficiency in the meantime by using some connectors, adjustments and 15 headsets.

2.2 Short and Medium Term planned Actions – A period of 6 Months

- Install the VCCS system, remaining connectors, make further adjustments and employ the other 85 remaining headsets to ensure the full operation of the VSAT VHF ER System.
- Ensure an Immediate and regular assessment of the operational status of the VSAT VHF ER stations, including parameters such as availability, reliability and Quality of Service. ENANA has allocated one technician at each station to permanently follow up the station's operation;
- Ensure a stabilized and continuous operation of the power supply of the VSAT remote VHF stations. ENANA has installed an surplus generator at each station (main and standby);

2.3 Long term planned Actions _ A period after 6 Months

- Informing airlines and SAT community on the establishment of the availability of VHF coverage in Luanda Continental airspace;
- Operational assessment
- Sustainable maintenance policy Plan and Programme to be developed

3. CONCLUSIONS

The meeting is invited to take note of the information presented by this information paper.