



INTERNATIONAL CIVIL AVIATION ORGANIZATION

WESTERN AND CENTRAL AFRICAN OFFICE

SNMC 17 IP 5

Monrovia, Liberia, 23 to 25 June 2009

Agenda Item 1: Follow up on SNMC16

AFISNET STATUS AND PERFORMANCES

(Presented by ASECNA)

SUMMARY

The present Information paper gives a progress report on the implementation of rationalized AFS projects in ASECNA area particularly those related to SAT. After SNMC/16 meeting, ASECNA has planned to overcome AFS deficiencies and is involved in regional projects. The interoperability between AFS systems requires close cooperative actions between ANSP.

1/ LINKS UPGRADED IN AFISNET BETWEEN ASECNA- GCAA AND NAMA

Following the conclusions of the third Emergency meeting of AFI Satellite Network Management SNMC/E3 Committee held in Dakar, Senegal, 22-23 September 2008, ASECNA replaced in November 2008 the old IBS Modems by news Numeric DATUM Modems on all the links with Ghana and Nigeria on AFISNET. News carriers of 19.2 kbps have been got for these links, replacing the 32 kbps used before.

So, the following links have been updated

Accra – Libreville
Accra – Brazzaville
Accra – Abidjan
Accra – Niamey
Kano – Douala
Kano – Brazzaville
Kano – Niamey
Lagos – Douala
Lagos – Niamey

Before this Emergency meeting ASECNA had already set up the following news satellite links with DATUM Modems:

Accra – Bobo Dioulasso
Accra – Ouagadougou
Lagos – Cotonou.

On the two links N'djamena – Kano and N'djamena – Maiduguri, the old IBS Modems have also been replaced by new Datum modems

The table below shows the circuits improved:

Links and Circuits	Supported AFS Services	Date of Implementation Or Date of Updated	Link Equipments	Service status
Accra - Ouagadougou	AFTN-ATS/DS	Mars 2007	Interconnection AFISNET/GCAA network	OK
Accra – Bobo	ATS/DS			OK
Accra - Brazzaville	AFTN-ATS/DS	Nov 2008		OK
Accra - Niamey	AFTN-ATS/DS			OK
Accra - Libreville	AFTN-ATS/DS			OK
Accra - Abidjan	AFTN-ATS/DS			OK
Kano - Brazzaville	AFTN-ATS/DS	Nov 2008	Interconnection AFISNET/NAMA network	OK
Kano - Douala	AFTN-ATS/DS			OK
Kano - Libreville	AFTN-ATS/DS			OK
Kano - Ndjamena	AFTN-ATS/DS			OK
Kano - Niamey	AFTN-ATS/DS			OK
Lagos - Cotonou	AFTN-ATS/DS	June 2008	Interconnection AFISNET/NAMA network	OK
Lagos –Douala	AFTN-ATS/DS	Nov 2008		OK
Lagos - Libreville	AFTN-ATS/DS			OK
Lagos - Niamey	ATS/DS			OK
Maiduguri - Ndjamena	AFTN-ATS/DS			Nov 2008

2/ UPGRADING OF ASECNA INTERNAL LINKS

Since 2006, ASECNA is progressively upgrading the internal network's links by replacing old IBS and FASTCOM modems. Currently, almost all the IBS modems have been replaced on the links of AFISNET.

3/ LAST IBS MODEMS IN THE NETWORK

However the link between Dakar and Robert's FIR is still on IBS Modems and need to be updated as soon as possible.

We also have a link between Douala and Libreville witch modems will be replaced by the end of this month of June 2009.

4/ COORDINATION

Since two teams of ASECNA technicians have been in the different sites of GCAA and NAMA for the updating of the links, the coordination between the technicians of the centres for the maintenance of the network have been strengthened.

The coordination between the centres is easy today but need to be maintained by technical exchanges.

5/ACTION BY THE MEETING

The meeting is invited to:

- Take note of the information provided above;
- To encourage the cooperative actions regarding the AFS circuits implementation/improvement