



## INTERNATIONAL CIVIL AVIATION ORGANIZATION

**Review Meeting of the  
Task Force on the Development of a Regional Project on an AFI Integrated  
Aeronautical Telecommunication Infrastructure  
(Dakar, Senegal, 3-5 October 2011)**

**Agenda Item: 5 Global and Regional Developments**

REGIONAL SURVEY ON MISSING FLIGHT PLANS  
FROM 15 TO 17 AUGUST 2011

*(Presented by the Secretariat)*

SUMMARY
<p>This working paper provides the Task Force with a brief summary of the outcome of the regional survey conducted on missing flight plans in the AFI Region.</p> <p>Action by the meeting is at <b>paragraph 3</b>.</p>
<p><b>REFERENCES:</b></p> <p>-APIRG Reports</p>
<p>This Working Paper is related to Strategic Objectives: <b>A and C</b>.</p>

**1.Introduction**

1.1 The Seventh Meeting of the AFI Planning and Implementation Regional Group (APIRG/17) discussed the longstanding issue of missing flight plans and formulated its Conclusion 17/42 on the resolution of missing flight plans problem in the Region.

**2.Discussion**

2.1 The Twelfth Meeting of APIRG Air Traffic Management, Aeronautical Information Management and Search and Rescue Sub-group (ATM/AIM/SAR/SG/12) and the Fourth Meeting of APIRG Communications, Navigation and Surveillance Sub-group (CNS/SG/4) which were held in Dakar, Senegal, from 25 to 29 July 2011 noted that APIRG Conclusion 17/42 had not been implemented by States, and accordingly requested the ICAO Regional Offices to coordinate a three-day regional survey as a matter of urgency in order to address this safety critical issue. The CNS/SG formulated the following conclusions:

*Conclusion 4/13: Need for further investigations on the lack of flight plans  
That, considering the high priority to be accorded to the issue of lack of flight plans, AFI Air Traffic Service Units (ATSUs) report and conduct investigations on missing flight plans during the period from 15 to 17 August 2011 (...).*

*Conclusion 4/14: Investigations on the loss of AFTN messages in the AFI Region  
That in order to further analyze and mitigate the loss of AFTN messages, including flight plan messages in the region, AFI AFTN centres carry out a three-day survey on AFTN performance from 15 to 17 August 2011 inclusive (...).*

2.2 The survey called for by the APIRG ATM/AIM/SAR and CNS Sub-groups took place as scheduled on 15-17 August 2011.

2.3 The Secretariat is in the process of compiling the survey data from States/ANSPs. The preliminary results of the survey confirm the extent of the missing flight plan problem, transit time issues as well as availability issues (see examples at **Appendices**). A detailed analysis of the survey results will be circulated to States and air navigation service providers in due course.

2.5 Among other indications, the survey results show transit times exceeding the prescribed values in many cases. They also show negative values indicating situations where the time on the origin line is after the time indicated on the reception line, implying that flight plans were received before they were sent. This is believed to be a result of an incorrect system time in the originating centre.

2.6 The meeting may wish to request that AFI ANSPs conform to Annex 11 provisions, requiring that *“air traffic services unit clocks and other time recording devices shall be checked as necessary to ensure correct time to within plus or minus 30 seconds of UTC. Wherever data link communications are utilized by an air traffic services unit, clocks and other time-recording devices shall be checked as necessary to ensure correct time to within 1 second of UTC. The correct time shall be obtained from a standard time station or, if not possible, from another unit which has obtained the correct time from such station”*. To this effect, APIRG had recommended synchronization of centres’ clocks with GPS time.

### **Action by the Meeting**

- 3.1 The meeting is invited to request AFI VSAT Networks Managers to:
- 1) address the loss of ATS messages using AFTN as a matter of urgency;
  - 2) continuously conduct regular surveys on a longer period (e.g. 30 days), or at regular intervals, under the coordination of the ICAO Regional Offices;
  - 3) ensure that their ATC systems’ clocks are synchronize with the GPS time in order to meet Annexes 2 and 11 provisions.

## Appendices

## REGIONAL SURVEY ON MISSING FLIGHT PLANS IN THE AFI REGION FROM 15 TO 17 AUGUST 2011

## ENTEBBE

AFI REGIONAL SURVEY ON FLIGHT PLANS							
STATE: UGANDA		AIR TRAFFIC SERVICE UNIT: ENTEBBE AREA CONTROL CENTRE			DATE: 15/08/2011		
Flight No. Or Aircraft Registration	Aerodrom e of Departure	Aerodrome of Destination	Flight plan			Transit time	Remarks
			Received on time	Not received on time	Missing		
KQA508	HKJK	DGAA	√			7 min	
ETDO965	FTTJ	HKJK	√			1 min	
ACP010	HKJK	HUEN	√			1 min	
FFV419	HKJK	HUEN	√			1 min	
KQA548	HKJK	DBBB	√			1 min	
KQA414	HKJK	HUEN	√			1 min	
KQA416	HKJK	HUEN	√			1 min	
MSR3000	HECA	HBBA	√			1 min	
UGB203	HKJK	HUEN	√			1 min	
5YTCC	HBBA	HUEN	√			1 min	
N760CC	HKJK	GCLP	√			1 min	
ETH807	HAAB	HRYR	√			1 min	
UGB351	HRYR	HUEN	√			62 min	
UAE723	HAAB	HUEN	√			1 min	
KQA510	HKJK	EGAA	√			1 min	
KQA572	HKJK	FGSL	√			1 min	
5YTLG	HBBA	HUEN	√			1 min	
GES061	HKMO	LEMG	√			1 min	
ETH851	HAAB	FNLU		√		1 min	
ETH811	HAAB	HUEN	√			1 min	
ETH831	HAAB	FCBB	√			1 min	
ETH841	HAAB	FZAA	√			1 min	
AYP902	HCMM	HUEN			√		No FPL
ETH807	HAAB	HRYR	√			34 min	
SAA160	FAJS	HUEN	√			1 min	
UNO802	FZNA	HUEN			√	1 min	
JAV7676	HRYR	HDAM		√		2 min	
KQA353	HSSJ	HKJK			√		No FPL
FFV722	HSSJ	HKJK			√		No FPL
N25A	LGAV	FZQA	√			1 min	
ETH806	HRYR	HAAB	√			1 min	
MAF01	HSSJ	HKNW			√		
KQA500	FKKD	HKJK	√			2 min	
KQA533	DNMM	HKJK			√		No FPL

AFI REGIONAL SURVEY ON FLIGHT PLANS							
STATE: UGANDA		AIR TRAFFIC SERVICE UNIT: ENTEBBE AREA CONTROL CENTRE			DATE: 15/08/2011		
Flight No. Or Aircraft Registration	Aerodrom e of Departure	Aerodrome of Destination	Flight plan			Transit time	Remarks
			Received on time	Not received on time	Missing		
ETH830	FCBB	HAAB			√		No FPL
ETH850	FNLU	HAAB	√			1 min	
Table (a1)		Total No. Of Flight Plans	27	2	7		
ETH840	FZAA	HAAB			√		No FPL
MSR3001	HBBA	HECA	√			1 min	
SVA446	FAJS	OEJN			√		No FPL
KQA513	GABS	HKJK	√			1 min	
ETH817	HAAB	HRYR	√			1 min	
THY41	FAJS	LTBA	√			1 min	
MSR840	FAJS	HECA	√			1 min	
KQA521	DIAP	HKJK	√			1 min	
KQA509	DGAA	HKJK	√			1 min	
KQA554	HKJK	FZAA	√			1 min	
5YBYN	HMMM	HUEN			√		No FPL
KQA410	HKJK	HUEN	√			1 min	
BA63	EGLL	HUEN	√			1 min	
5YTLC	HKJK	HUEN	√			2 min	
ETH3910	HRYR	HAAB	√			1 min	
KQA511	DGAA	HKJK	√			1 min	
THY40	LTBA	FAJS	√			1 min	
OYTJF	HKMO	HSSJ	√			1 min	
MEM4089	HSSS	HTDA			√		No FPL
KQA564	FTTJ	HKJK					No FPL
KQA500	HKJK	FKKD	√			1 min	
JAV7675	VIDP	HRYR		√		7 min	
KQA350	HKJK	HSSJ	√			1 min	
KQA532	HKJK	DNMM	√			1 min	
MSR839	HECA	FAJS	√			2 min	
KQA520	HKJK	DIAP	√			1 min	
KQA351	HSSJ	HKJK	√		√		No FPL
9QCAU	FZKA	HUEN			√		No FPL
5HKLA	FZKA	HUEN			√		No FPL
5XBIL	FZKA	HUEN			√		No FPL
ETH821	HAAB	HUEN	√			1 min	
THY601	LTBA	HUEN	√			1 min	

AFI REGIONAL SURVEY ON FLIGHT PLANS							
STATE: UGANDA		AIR TRAFFIC SERVICE UNIT: ENTEBBE AREA CONTROL CENTRE			DATE: 15/08/2011		
Flight No. Or Aircraft Registration	Aerodrome of Departure	Aerodrome of Destination	Flight plan			Transit time	Remarks
			Received on time	Not received on time	Missing		
RWD105	HRYR	HUEN	√			38 min	
UGB205	HKJK	HUEN	√			1 min	
UAE9954	FWKI	HUEN	√			1 min	
5XUCF	HCMH	HUEN			√		No FPL
UGB321	HTDA	HUEN		√		2 min	
AYK9029	HCMM	HUEN	√		√		No FPL
KQA412	HKJK	HUEN	√			1 min	
UNO816	FZRF	HUEN			√		No FPL
Table (a2)		Total No. Of Flight Plans	28	2	11		
UNO804	FZNP	HUEN			√		No FPL
PRF762	HTKJ	HUEN	√			2 min	
UN514	HSSJ	HUEN			√		No FPL
UGB119	HSSJ	HUEN			√		No FPL
UN830	FZKA	HUEN			√		No FPL
Table (a3)		Total No. Of Flight Plans	1	0	4		

AFI REGIONAL SURVEY ON FLIGHT PLANS							
STATE: UGANDA		AIR TRAFFIC SERVICE UNIT: ENTEBBE AREA CONTROL CENTRE			DATE: 16/08/2011		
Flight No. Or Aircraft Registration	Aerodrome of Departure	Aerodrome of Destination	Flight plan			Transit time	Remarks
			Received on time	Not received on time	Missing		
BEL465	HRYR	HUEN	√			18 min	
FFV419	HKJK	HUEN	√			44 min	
BEL46	EBBR	HRYR	√			36 min	
MPH081	EHAM	HUEN	√			13 min	
KLM537	EHAM	HRYR	√			48 min	
KQA416	HKJK	HUEN	√			17 min	
KQA414	HKJK	HUEN	√			35 min	
KQA542	HKJK	DNMM	√			25 min	
KQA573	FGSL	HKJK	√			39 min	
SAA6726	HTDA	HUEN	√			23 min	
UAE723	HAAB	HUEN	√			27 min	
ETH806	HRYR	HAAB	√			55 min	
KLM537	HRYR	HUEN	√			49 min	
RWD105	HRYR	HUEN	√			30 min	
UGB321	HTDA	HUEN	√			15 min	
UGB205	HKJK	HUEN	√			45 min	
KTV008	HSSM	HUEN	√			1 min	
ETH851	HAAB	FNLU	√			1 min	
KQA521	DIAP	HKJK	√			1 min	
ETH841	HAAB	FZAA	√			1 min	
ETH831	HAAB	FCBB	√			1 min	
ETH811	HAAB	HUEN	√			1 min	
CFKJM	HSSS	FYWH	√			1 min	
ETH811	HAAB	HUEN	√			1 min	
ETH831	HAAB	FCBB	√			1 min	
KQA410	HKJK	HUEN	√			1 min	
UGB203	HKJK	HUEN	√			1 min	
KQA574	HKJK	FKKD	√			1 min	
NAS001	HHAS	HUEN	√			1 min	
KQA572	HKJK	FGSL	√			1 min	
ETH821	HAAB	HUEN	√			1 min	
UAE4966	OMDB	HUEN	√			1 min	
AJK4121	FAJS	HUEN	√			1 min	
VAL705	FZIC	HUEN			√		No FPL
UGB207	HKJK	HUEN	√			1 min	
SAA160	FAJS	HUEN	√			1 min	

AFI REGIONAL SURVEY ON FLIGHT PLANS							
STATE: UGANDA		AIR TRAFFIC SERVICE UNIT: ENTEBBE AREA CONTROL CENTRE			DATE: 16/08/2011		
Flight No. Or Aircraft Registration	Aerodrome of Departure	Aerodrome of Destination	Flight plan			Transit time	Remarks
			Received on time	Not received on time	Missing		
Table (a4)		Total No. Of Flight Plans	35	0	1		
9QCAB	FZKA	HUEN			√		No FPL
UNO830	FZKA	HUEN			√		No FPL
5XUCF	HCMM	HUEN			√		No FPL
UGB351	HRYR	HUEN	√			62 min	
5XEBZ	HSYE	HUEN			√		No FPL
5XJNF	FZKA	HUEN			√		No FPL
UN769	FZIC	HUEN			√		No FPL
5XBAR	HKEL	HUEN	√				
KQA412	HKJK	HUEN	√				
UGB119	HSSJ	HUEN			√		No FPL
AYK9028	HCMM	HUEN			√		No FPL
UN806	FZKA	HUEN			√		No FPL
LCG1590	FZKA	HUEN			√		No FPL
ETH3911	HAAB	HUEN	√			5 min	
5YTLC	HKJK	HUEN	√			1 min	
N827DG	HTBU	HUEN			√		No FPL
UAE794	FNLU	OMDB	√			1 min	
ZSAJD	HRYR	HELX	√			1 min	
THY41	FAJS	LTBA	√			1 min	
ATD0921	DNMM	HKJK	√			1 min	
ETH840	FZAA	HAAB			√		No FPL
ETH830	FCBB	HAAB			√		No FPL
OYTJF	HSSJ	HKJK	√			1 min	
KQA353	HSSJ	HKJK			√		No FPL
DTA551	OMDB	FNLU			√		No FPL
KQA352	HKJK	HSSJ				9 min	
UAE793	OMDB	FNLU				1 min	
ETH807	HAAB	HRYR	√			34 min	
KQA510	HKJK	DGAA	√			1 min	
KQA548	FKKD	HKJK	√			1 min	
THY40	LTBA	FAJS	√			1 min	
KQA509	DGAA	HKJK	√			1 min	
ETH816	HRYR	HAAB	√			1 min	
DTA550	FNLU	OMDB	√			1 min	

AFI REGIONAL SURVEY ON FLIGHT PLANS							
STATE: UGANDA		AIR TRAFFIC SERVICE UNIT: ENTEBBE AREA CONTROL CENTRE			DATE: 16/08/2011		
Flight No. Or Aircraft Registration	Aerodrome of Departure	Aerodrome of Destination	Flight plan			Transit time	Remarks
			Received on time	Not received on time	Missing		
5XKSW	HKJK	HUKK	√			1 min	
SMJ331F	HSSS	HUEN		√			
PRF762	HTKJ	HUEN	√			2 min	
KQA574	FEFF	HKJK	√			2 min	
N467SP	HKNW	HSSJ	√			1 min	
BAW63	EGLL	HUEN	√			1 min	
Table (a5)		Total No. Of Flight Plans	22	1	15		
N702RS	HKNW	HUEN	√			1 min	
ETH861	HAAB	FCPP	√			1 min	
ETH3825	HAAB	FZAA	√			1 min	
KQA511	DGAA	HKJK	√			1 min	
ETH817	HAAB	HRYR		√		1 min	14 min late
KQA508	HKJK	DGAA	√			1 min	
KQA512	HKJK	GABS	√			1 min	
KQA554	HKJK	FZAA	√			1 min	
KQA526	HKJK	FKYS	√			1 min	
KQA576	HKJK	FEFF	√			1 min	
KQA532	HKJK	DNMM	√			1 min	
(Table a6)		Total No. Of Flight Plans	10	1	0		

AFI REGIONAL SURVEY ON FLIGHT PLANS							
STATE: UGANDA		AIR TRAFFIC SERVICE UNIT: ENTEBBE AREA CONTROL CENTRE			DATE: 17/08/2011		
Flight No. Or Aircraft Registration	Aerodrome of Departure	Aerodrome of Destination	Flight plan			Transit time	Remarks
			Received on time	Not received on time	Missing		
ADB185F	LCLK	HRYR	√			2 min	
SAA160	FAJS	HUEN		√		1 min	
ETH816	HRYR	HAAB	√			1 min	
KQA511	DGAA	HKJK	√			1 min	
KQA416	HKJK	HUEN	√			1 min	
KLM535	EHAM	HRYR	√			1 min	
UGB321	HTDA	HUEN	√			1 min	
KQA509	DGAA	HKJK	√			1 min	
N702RS	HKNW	HUEN	√			1 min	
7TWIC	DAUZ	HKJK	√			1 min	
BEL453	EBBR	HBBA	√			1 min	
KQA512	HKJK	GABS	√			1 min	
ETH821	HAAB	HUEN		√		1 min	
KQA508	HKJK	DGAA	√			1 min	
ETH811	HAAB	HUEN	√			1 min	
ZSAJD	HRYR	HELX	√			1 min	
KQA414	HKJK	HUEN	√			1 min	
ETH861	HAAB	FCPP	√			1 min	
ETH851	HAAB	FNLU	√			1 min	
KQA542	DBBB	HKJK	√			1 min	
JAV7675	VIDP	HRYR	√			1 min	
ETH831	HAAB	FCBB	√			1 min	
FFV419	HKJK	HUEN	√			1 min	
FFV421	HKJK	HUEN	√			1 min	
KQA560	HKJK	FTTJ	√			1 min	
UNO769	HSFS	HUEN	√			1 min	
RWD105	HRYR	HUEN	√			1 min	
JAV7676	HRYR	HDAM	√			1 min	
KLM535	HRYR	HUEN	√			1 min	
THY40	LTBA	FAJS	√			1 min	
SMJ331F	HSSS	HUEN	√			1 min	
UGB205	HKJK	HUEN	√			1 min	
KQA410	HKJK	HUEN	√			1 min	
ETH841	HAAB	FZAA	√			1 min	
Table (a7)		Total No. Of Flight Plans	32	2	0		

AFI REGIONAL SURVEY ON FLIGHT PLANS							
STATE: UGANDA		AIR TRAFFIC SERVICE UNIT: ENTEBBE AREA CONTROL CENTRE			DATE: 17/08/2011		
Flight No. Or Aircraft Registration	Aerodrome of Departure	Aerodrome of Destination	Flight plan			Transit time	Remarks
			Received on time	Not received on time	Missing		
ETH851	HAAB	FNLU		√		1 min	
N702RS	HKNW	HUEN	√			1 min	
KQA576	FKKD	HKJK	√				
KQA527	FKYS	HKJK	√				
UAE723	HAAB	HUEN	√				
CLX710	DNMM	HKJK	√				
UN23W	HKNW	FTTJ		√			
ETH850	FNLU	HAAB	√				
PRF762	HTKJU	HUEN	√				
ETH810	HRYR	HUEN		√			
THY601	LTBA	HUEN	√				
UGB203	HKJK	HUEN	√				
ETH830	FZAA	HAAB			√		No FPL
UNO802	FZIC	HUEN			√		No FPL
ETH860	FCPP	HAAB			√		No FPL
UNO854	FZKA	HUEN			√		No FPL
UNO802	FZKA	HUEN			√		No FPL
KQA352	HKJK	HSSJ	√			1 min	
9QCKX	FZKA	HUEN			√		No FPL
UGB119	HSSJ	HUEN			√		No FPL
UNO816	FZIC	HUEN			√		No FPL
UNO816	FZKA	HUEN			√		No FPL
UNO829	FZRF	HUEN			√		No FPL
UGB251	HRYR	HUEN			√		No FPL
KQA412	HKJK	HUEN	√			1 min	
ETH831	HAAB	FCBB				1 min	
5YPAP	FZKA	HUEN			√		No FPL
KQA351	HSSJ	HKJK			√		No FPL
PAT066	HAAB	HUEN			√		No FPL
N467SP	HKJK	HSSJ	√			1 min	
KQA576	HKJK	FEFF	√				
UNO506	HSSJ	HUEN	√			3 min	
KQA350	HKJK	HSSJ	√			1 min	
MSR837	HECA	HUEN	√			1 min	
5YTLC	HKJK	HUEN	√			1 min	
KQA533	DNMM	HKJK			√		No FPL
SAA160	FAJS	HUEN	√			1 min	
ETH830	FCBB	HAAB			√		No FPL

AFI REGIONAL SURVEY ON FLIGHT PLANS							
STATE: UGANDA		AIR TRAFFIC SERVICE UNIT: ENTEBBE AREA CONTROL CENTRE			DATE: 17/08/2011		
Flight No. Or Aircraft Registration	Aerodrome of Departure	Aerodrome of Destination	Flight plan			Transit time	Remarks
			Received on time	Not received on time	Missing		
KQA560	HKJK	FTTJ	√			1 min	
5XROC	FZKA	HUEN			√		No FPL
Table (a8)		Total No. of Flight Plans	19	3	17		
5XFRM	FZKA	HUEN			√		No FPL
ETH3824	FZAA	HAAB			√		No FPL
KQA353	HSSJ	HKJK			√		
RWD105	HRYR	HUEN	√			1 min	
LMG735	FEFF	HRYR	√			1 min	
UN769	HSFS	HUEN		√		1 min	2 min late
SVA948	FAJS	OEJD	√			1 min	
MSR839	HECA	FAJS	√			1 min	
ETH807	HAAB	HRYR	√			1 min	
7TWID	DAUZ	HKJK	√			1 min	
KQA500	HKJK	FKKD	√			1 min	
ETH839	HECA	FAJS	√			1 min	
KQA520	HKJK	DIAP	√			1 min	
UAE723	HAAB	HUEN	√			1 min	
5YBOY	HKJK	HUEN	√			1 min	
Table (a9)		Total No. Of Flight Plans	11	1	3		

## FIRST DAY (15TH AUGUST 2011) - ENTEBBE

MESSAGE Transmission (1)			DESTINATION							
TYPE	PRIORIT Y	TX	INTERMED. 1 (6)		INTERMED. 2		INTERMED. 3		INTERMED. N	
			TR	QUALITY CODE (8)	TR	QUALITY CODE	TR	QUALITY CODE	TR	QUALITY CODE
M E S S A G E  1	SS	09:00	0900	2	0900	2	0900	2	0900	2
	DD	10:00		x	1000	2		x		x
	FF	11:00		x		x		x	1100	2
	GG	12:00		x		x		x		x
M E S S A G E  2	SS	13:00	1300	2	1300	2	1300	2	1300	2
	DD	14:00		x		x	1400	2		x
	FF	15:00		x		x		x		x
	GG	16:00		x		x	1600	2		x
M E S S A G E  3	SS	17:00	1700	2	1700	2	1700	2	1700	2
	DD	18:00		x				x		x
	FF	19:00		x	1900	2		x		x
	GG	20:00	2000	2	2000	2		x	2011	2

Table (b1)

SECOND DAY (16TH AUGUST 2011)

- ENTEBBE

MESSAGE Transmission (1)			DESTINATION							
TYPE (3)	PRIORIT Y (4)	TX (5)	INTERMED. 1 (6)		INTERMED. 2		INTERMED. 3		INTERMED. N	
			TR	QUALITY CODE (8)	TR	QUALIT Y CODE	TR	QUALIT Y CODE	TR	QUALITY CODE
M E S S A G E 2	SS	21:00	2100	2	2100	2		×	2100	2
	DD	22:00	2200	2		×		×		×
	FF	23:00	2300	2	2300	2		×		×
	GG	24:00	0000	2		×		×		×
M E S S A G E 3	SS	01:00	0100	2	0100	2	0100	2	0100	2
	DD	02:00	0200	2		×		×		×
	FF	03:00	0300	2	0303	2		×	0308	2
	GG	04:00	0400	2		×		×		×
M E S S A G E 1	SS	05:00	0500	2	0500	2	0500	2	0500	2
	DD	06:00	0600	2	0600	2		×	0601	2
	FF	07:00	0704	2		×		×	0704	2
	GG	08:00	0800	2		×		×	0800	2

Table (b2)

## THIRD DAY (17TH AUGUST 2011) - ENTEBBE

MESSAGE Transmission (1)			DESTINATION							
TYPE	PRIORIT Y	TX	INTERMED. 1 (6)		INTERMED. 2		INTERMED. 3		INTERMED. N	
			TR	QUALITY CODE (8)	TR	QUALIT Y CODE	TR	QUALIT Y CODE	TR	QUALITY CODE
M E S S A G E  3	SS	09:00	0900	2	0900	1	0900	2	0900	2
	DD	10:00	1000	2		x		x		x
	FF	11:00	1101	2		x		x		x
	GG	12:00	1202	2	1238	2		x		x
M E S S A G E  1	SS	13:00	1300	2	1300	2	1300	2	1300	2
	DD	14:00	1400	2		x		x		x
	FF	15:00	1501	2		x		x		x
	GG	16:00		x	1600	2	1600	2		x
M E S S A G E  2	SS	17:00	1701	2	1702	2	1701	2	1701	2
	DD	18:00	1800	2	1800	2				x
	FF	19:00	1900	2	1900	2	1900	2		x
	GG	20:00		x	2000	2		x		x

Table (b3)

## Report on the Regional Survey on missing Flight Plans and loss of AFTN messages in the AFI Region Carried out by Entebbe

### Introduction:

The Twelfth meeting of APIRG Air Traffic Management, Aeronautical Information management and Search and Rescue Sub-group and the Fourth meeting of APIRG Communications, Navigation and Surveillance Sub-group which were held in Dakar, Senegal from 25 to 29 July 2011 noted that the some conclusions had not been implemented by States and requested the ICAO Regional Offices to coordinate a three-day regional survey as a matter of urgency in order to address this safety critical issue.

One of the conclusions was Conclusion 4/13 on the need for further investigations on the lack of flight plans and the other was Conclusion 4/14 regarding investigations on the loss of AFTN messages in the AFI Region.

In order to analyze and mitigate the loss of AFTN messages, including flight plan messages in the region, AFI AFTN centres were requested to carry out a three-day survey on AFTN performance from 15 to 17 August 2011 (inclusive) using specific forms and model messages.

### Action taken.

Entebbe carried out a three day survey from 15 to 17 August 2011 as required. During the survey the following were done:

1. The provided Attachment 'A' on missing flight plans were filled by duty Controllers in Entebbe Area Control Centre as required. The details of what were filled are contained in tables (a1 – a9) above.
2. The provided Attachment 'B' on loss of AFTN messages were also filled by the duty Communications Officers in Entebbe Communication Centre using the messages in Attachment 'C' in the order provided. Details of what was filled in as far as Attachment 'B' is concerned is contained in tables (b1 – b3) above. All tests were carried out on time.
3. The provided Attachment 'D' was done for 23/07/2011 as required. It is attached in e-mail.

### Findings:

- a) Tables 1, 2, and 3 below illustrate the number of flight plans received on time, not received on time and missing, throughout the three day survey as part of the investigations on the loss of flight plans in the AFI Region as per draft conclusions 3/14.

Details can be found in tables (a1 – a9) above.

#### 15/08/2011:

RECEIVED ON TIME	NOT RECEIVED ON TIME	MISSING
56	04	22

Table 1

#### 16/08/2011:

RECEIVED ON TIME	NOT RECEIVED ON TIME	MISSING
67	04	16

Table 2.

#### 17/08/2011:

RECEIVED ON TIME	NOT RECEIVED ON TIME	MISSING
72	06	20

Table 3

- b) Investigations on the loss of AFTN messages in the AFI Region as per draft conclusions 4/14 was done according to the given instructions and the following are the findings as illustrated in tables 4, 5, and 6.

Details can be found in tables (b1 – b3) above.

**15/08/2011:**

Addresses used in the transmission of AFTN tests are:

- **Message 1: HKNAYFYX HTDCZQZX FWLLZQZX FQBEZQZX FVHFZQZX FAJAZQZX**
- **Message 2: HKNAZQZX HKNAYFYX HSSSZQZX HAAAZQZX HECCZQZX**
- **Message 3: FZZAZQZX FCCCZQZX DNKKZQZX DGAAZQZX HKNAYFYX**

**Results:**

TESTS RECEIVED	QUALITY CODE	RESPONSES RECEIVED	QUALITY CODE
90%	2	41.3%	2

**Table 4**

**16/08/2011**

Addresses used in the transmission of AFTN tests are:

- **Message 2; HKNAYFYX HKNAZQZX HAAAZQZX OYSCZQZX OEJDZQZX OBBBZQZX OMAEZQZX**
- **Message3: HKNAYFYX HTDCZQZX FWLLZQZX FLFIZQZX FQBEZQZX FVHFZQZX FAJAZQZX**
- **Message1;HKNAYFYX FZAAZQZX FCCCZQZX FTTTQZX DRRRZQZX DAAAZQZX**

**Results:**

TESTS RECEIVED	QUALITY CODE	RESPONSES RECEIVED	QUALITY CODE
90%	2	56%	2

**Table 5**

**17/08/2011**

Addresses used in the transmission of AFTN tests are:

- a) **Message 1: HKNAYFYX HTDCZQZX FWLLZQZX FQBEZQZX FVHFZQZX FAJAZQZX**
- b) **Message 2: HKNAZQZX HKNAYFYX HSSSZQZX HAAAZQZX HECCZQZX**
- c) **Message 3:FZZAZQZX FCCCZQZX DNKKZQZX DGAAZQZX HKNAYFYX**

**Results:**

TESTS RECEIVED	QUALITY CODE	RESPONSES RECEIVED	QUALITY CODE
95%	2	54%	2

**Table 6**

**Conclusion:**

1. The survey showed that most Flight Plans were received on time; only a few were not received on time. Quite a good number of flight plans were missing; most of them were for flights originating from Central and West Africa. The majority of them were for flights coming from the Democratic Republic of Congo (DRC) and South Sudan.

2. The survey on AFTN tests on loss of messages generally showed that the '**Intermediate 1**' responded well whereas other **intermediates** were average. The quality of messages received was good.
3. AFTN Transit Time statistics for 23<sup>rd</sup> July 2011 as required were also done.

**Recommendation:**

From the results above, we recommend that AFTN/AMHS connections be made to stations especially in DRC, Southern Sudan including other airports in Central and West Africa.