



MET/SG/7-WP/11

**INTERNATIONAL CIVIL AVIATION ORGANIZATION
Western and Central African Office**

AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)

**SEVENTH MEETING OF THE METEOROLOGY SUB GROUP
(METSG/7)**

(Dakar, 11 – 13 April 2005)

Agenda Item 3: WAFS in the AFI Region

Strategic Assessment Tables for AFI Region

(Presented by WAFC London)

Summary

Draft Strategic Assessment Tables for years 2005 to 2009 inclusive are attached in this paper for review and amendment by the group.

1. Introduction

1.1 The SADISOPSG/3 Draft Decision on Strategic Assessment Planning identified:

That, the appropriate sub-groups of the APANPIRG, APIRG, EANPG, and MIDANPIRG maintains the Strategic Assessment Tables on an Annual basis and forward them to the SADISOPSG in time for each SADISOPSG meeting.

The Strategic Assessment Report presented to the SADISOPSG/3 identified the annual actions to be undertaken:

Each ICAO region to identify their 5-year estimates of projected volumes of data and products to be provided to Europe for the SADIS gateway.

W AFC London agreed to undertake to collate reports from the ICAO regions and generate updated Tables of projected impacts on the SADIS.

1.2 The following Strategic Assessment Tables for the AFI region have been prepared by the SADIS Provider State on behalf of the SADISOPSG Strategic Assessment Team for the purposes of planning resources for the next 5 years (2005 to 2009 inclusive) – and as a first-guess for the group to consider and amend as required.

2. Discussion

A summary of the Strategic Assessment Tables, for ICAO region AFI, are identified in TABLE A.

TABLE A

OPMET (Kbytes)

<i>OPMET</i>	2005	2006	2007	2008	2009
AFI	993K	1005K	1015K	1025K	1035K

BUFR(Kbytes)

<i>BUFR</i>	2005	2006	2007	2008	2009
AFI	0K	0K	40K	40K	40K

AIS(Kbytes)

<i>AIS</i>	2005	2006	2007	2008	2009
AFI	0K	20K	20K	20K	20K

3. Action

The Group is invited to review the Strategic Assessment Tables for the AFI region, and suggest any amendments.

**SADIS STRATEGIC ASSESSMENT TABLES
CURRENT AND PROJECTED DATA VOLUMES 2006-2009**

Note.— 1 octet = 1 byte = 1 character.

Table 1. AFI— OPMET data volumes

<i>OPMET data</i>	<i>Current 2005</i>	<i>Projected 2006</i>	<i>Projected 2007</i>	<i>Projected 2008</i>	<i>Projected 2009</i>
ALPHANUMERIC DATA					
Number of FC bulletins issued per day	160	165	170	175	180
Average number of stations per FC bulletin	5	5	5	5	5
Number of FT bulletins issued per day	297	300	305	310	315
Average number of stations per FT bulletin	3	3	3	3	3
Number of SA bulletins issued per day	1519	1530	1540	1550	1560
Average number of stations per SA bulletin	4	4	4	4	4
Number of SP bulletins issued per day	4	5	5	5	5
Number of SIGMET bulletins issued per day	7	10	10	10	10
Number of FK/FV bulletins issued per day	0	0	0	0	0
BINARY DATA					
Number of other bulletins issued per day (please specify header(s))	0	0	0	0	0
Average number of stations per bulletin	0	0	0	0	0
TOTALS					
Total number of OPMET bulletins per day	1987	2010	2030	2050	2070
Average size of OPMET bulletin (bytes)	500	500	500	500	500
Total estimated OPMET data volume per day (bytes)	993K	1005K	1015K	1025K	1035K

Table 2. AFI — BUFR data volumes

<i>Graphical information in the BUFR code form</i>	<i>Current 2005</i>	<i>Projected 2006</i>	<i>Projected 2007</i>	<i>Projected 2008</i>	<i>Projected 2009</i>
WMO Header			Not available		
Time(s) of issue of data (UTC)			Misc.	Misc.	Misc.
Average size of message (bytes)			20K	20K	20K
Data level			Misc.	Misc.	Misc.
Validity times of data (in hours after the time of issuance)			6, 12, 18	6, 12, 18	6, 12, 18
TOTALS					
Total number of BUFR messages per day	0	0	2	2	2
Average size of messages (bytes)	0	0	20K	20K	20K
Total estimated volume of BUFR messages per day (bytes)	0K	0K	40K	40K	40K

Note.— Provision is made for the distribution of BUFR-encoded VAGs starting from the year 2007

Table 3. AFI — AIS data volumes

<i>AIS</i>	<i>Current 2005</i>	<i>Projected 2006</i>	<i>Projected 2007</i>	<i>Projected 2008</i>	<i>Projected 2009</i>
ALPHANUMERIC AIS DATA (e.g. NOTAMs, ASHTAMs)		ASHTAMs and NOTAMs related to volcanic ash			
Bulletin type		ASHTAM	ASHTAM	ASHTAM	ASHTAM
Number of bulletins issued per day		2	2	2	2
Average size of each bulletin (bytes)		5K	5K	5K	5K
Bulletin type		NOTAM	NOTAM	NOTAM	NOTAM
Number of bulletins issued per day		2	2	2	2
Average size of each bulletin (bytes)		5K	5K	5K	5K
CHART AIS DATA (e.g. AIP CHARTS)					
Header number/Chart type (e.g. AIP)					
Time(s) of issue of chart (UTC)					
Average size of chart (bytes)					
Validity time of chart VT (UTC)					
Header number/Chart type (e.g. AIP)					
Time(S) of issue of chart (UTC)					
Average size of chart (bytes)					
Validity time of chart VT (UTC)					
TOTALS					
Total number of AIS bulletins per day	0	4	4	4	4
Average size of AIS bulletin (byte)	0	5K	5K	5K	5K
Total number of AIS charts issued per day	0	0	0	0	0
Average size of AIS chart (byte)	0	0	0	0	0
Total estimated volume of AIS data per day (bytes)	0K	20K	20K	20K	20K

Note.— Provision is made for the distribution of ASHTAMs and NOTAMs related to volcanic ash starting from the year 2006.