

METS/SG5  
Appendix D to  
the Report

**TABLE A**  
**OPMET (Kbytes)**

<i>OPMET</i>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
<i>AFI</i>	387	457	563	615	642

**T 4 (Kbytes)**

<i>T4</i>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
<i>AFI</i>	400	400	400		

**BUFR(Kbytes)**

<i>BUFR</i>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
<i>AFI</i>			0	180	180

**AIS(Kbytes)**

<i>AIS</i>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>
<i>AFI</i>			240	520	520

ICAO REGION: AFI

TABLE 1

MAIN ROUTING(S): AFTN

(E.G CAPSIN AND AFTN/GTS/SADIS TWO-WAY)

	2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004
<b>ALPHANUMERIC OPMET DATA</b>					
Number of <b>FC bulletins</b> issued per day	56	95	100	100	100
Average number of stations per FC bulletin	8	8	8	8	8
Number of <b>FT bulletins</b> issued per day	285	350	500	500	500
Average number of stations per FT bulletin	6	6	6	6	6
Number of <b>SA bulletins</b> issued per day	399	450	500	600	650
Average number of stations per SA bulletin	15	15	15	15	15
Number of <b>SP bulletins</b> issued per day	0	0	0	0	0
Number of <b>SIGMET bulletins</b> issued per day	35	20	25	30	35
(WS<WV and WC) for relevant FIRS					
<b>OTHER OPMET DATA</b>					
Number of other bulletins issued per day					
(please specify header(s))					
Average number of stations per bulletin					
<b>TOTALS</b>					
<b>Total number of OPMET bulletins per day</b>	<b>775</b>	<b>915</b>	<b>1125</b>	<b>1230</b>	<b>1285</b>
Average size of OPMET bulletin (bytes)	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>	<b>500</b>
<b>TOTAL ESTIMATED OPMET DATA VOLUME PER DAY (BYTES)</b>	<b>387K</b>	<b>457K</b>	<b>563K</b>	<b>615K</b>	<b>642K</b>

## CURRENT AND PROJECTED T4 FACSIMILE CHART VOLUMES 2000-2004

ICAO REGION: AFI

TABLE 2

MAIN ROUTING(S): GTS

(E.G CAPSIN AND AFTN/GTS/SADIS TWO-WAY)

T4 FACSIMILE CHART INVENTORY	2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004
<b>Head number/Chart name</b>					
Time of issue of chart (UTC)	0400,1000,1600, 2200	0400,1000,1600, 2200	0400,1000,1600, 2200	SEE BUFR TABLE	SEE BUFR TABLE
Average size of chart (bytes)	100	100	100	0	0
Chart type (e.g. wind/temp/SIGWX)	SIGWX	SIGWX	SIGWX	SEE BUFR	SEE BUFR
Chart level (FL range or medium/high level)	SWL/SWM	SWL/SWM	SWL/SWM	0	0
Validity time of chart VT (UTC)	1200,1800,0000, 0600	1200,1800,0000, 0600	1200,1800,0000, 0600	0	0
<b>High number/Chart name</b>					
Time of issue of chart (UTC)				SEE BUFR	SEE BUFR
Average size of chart (bytes)					
Chart type (e.g. wind/temp/SIGWX)				SEE BUFR	SEE BUFR
Chart level (FL range or medium/high level)					
Validity time of chart VT (UTC)				SEE BUFR	SEE BUFR
<b>TOTALS</b>					
<b>Total number of T4 charts issued per day</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>SEE BUFR</b>	<b>SEE BUFR</b>
<b>Average size of each chart (bytes)</b>	<b>100K</b>	<b>100K</b>	<b>100K</b>		
<b>TOTAL ESTIMATED T4 CHART DATA VOLUME PER DAY (BYTES)</b>	<b>400K</b>	<b>400K</b>	<b>400K</b>	<b>SEE BUFR</b>	<b>SEE BUFR</b>

(Levels: medium FL 1000-250, high&gt;FL250)

(\*1 octet = 8 byte = 1 character)

## CURRENT AND PROJECTED BUFR DATA VOLUMES 2000 - 2004

ICAO REGION: AFI

TABLE 3

MAIN ROUTING(S): TWO-WAY/GTS

(E.G CAPSIN AND AFTN/GTS/SADIS TWO-WAY)

BUFR SIGWX MESSAGES	2000	Projected 2001	Projected 2002	Projected 2003	Projected 2004
WMO Header	<b>DAKAR</b>		+ 3 sites		
Time(s) of issue of data (UTC)	0	0	0	0700,1300,1900, 0100	0700,1300,1900, 0100
Average size of message (bytes)				15K	15K
Data level (e.g. FL range or low/medium/high level)				SWL/SWM*	SWL/SWM*
Validity time(s) of data VT (UTC)				1200,1800,0000, 0600	1200,1800,0000, 0600
WMO Header	<b>NAIROBI</b>				
Time(s) of issue of data (UTC)				0700,1300,1900, 0100	0700,1300,1900, 0100
Average size of message (bytes)				15K	15K
Data level (e.g. FL range or low/medium/high level)				SWL/SWM*	SWL/SWM*
Validity time(s) of data VT (UTC)				1200,1800,0000, 0600	1200,1800,0000, 0600
WMO Header	<b>PRETORIA</b>				
Time(s) of issue of data (UTC)				0700,1300,1900, 0100	0700,1300,1900, 0100
Average size of message (bytes)				15K	15K
Data level (e.g. FL range or low/medium/high level)				SWL/SWM*	SWL/SWM*
Validity time(s) of data VT (UTC)				1200,1800,0000, 0600	1200,1800,0000, 0600
<b>TOTALS</b>					
<b>Total number of BUFR messages per day</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>12</b>
<b>Average size of messages (bytes*)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15K</b>	<b>15K</b>
<b>TOTAL ESTIMATED VOLUME OF BUFR MESSAGES PER DAY (BYTES)</b>				<b>180K</b>	<b>180K</b>

(\*1 octet = 8 byte = 1 character) (low level <FL 100, medium level: FL100 – 250, high level. FL 250) Note: It is assumed that only 3sites will have the capacity to send buffer codes information to WAFC London.

**CURRENT AND PROJECTED AIS DATA VOLUMES 2000 2004****ICAO REGION: AFI****TABLE 4****MAIN ROUTING(S): AFTN, Two-Way****(E.G CAPSIN AND AFTN/GTS/SADIS TWO-WAY)**

<b>AIS</b> (Subject to statement of an operational requirement)	<b>2000</b>	<b>Projected 2001</b>	<b>Projected 2002</b>	<b>Projected 2003</b>	<b>Projected 2004</b>
<b>ALPHANUMERIC AIS DATA (e.g. NOTAMS)</b>					
<b>Bulletin type:</b>	No Requirement	No Requirement	NOTAMS	NOTAMS	NOTAMS
Number of bulletins issued per day			100	300	300
Average size of each bulletin (byte*)			400	400	400
<b>Bulletin type:</b>					
Number of bulletins issued per day					
Average size of each bulletin (byte*)					
<b>CHART AIS DATA (e.g. AIP CHARTS)</b>					
<b>Header number/Chart type (e.g. AIP)</b>	No Requirement	No Requirement	AIP	AIP	AIP
Time(S) of issue of chart (UTC)			2	4	4
Average size of chart (bytes*)			100K	100K	100K
Validity time of chart VT(UTC)					
<b>Header number/Chart type (e.g. AIP)</b>					
Time(S) of issue of chart (UTC)					
Average size of chart (bytes*)					
Validity time of chart VT(UTC)					
<b>TOTALS</b>	No Requirement	No Requirement			
<b>Total number of AIS bulletins per day</b>					
<b>Average size of AIS bulletin (bytes)</b>					
<b>Total number of AIS charts issued per day</b>					
<b>Average size of AIS chart (bytes)</b>					
<b>TOTAL ESTIMATED VOLUME OF AIS DATA PER DAY (bytes)</b>	<b>No Requirement</b>	<b>No Requirement</b>	<b>240K</b>	<b>520K</b>	<b>520K</b>

(\*1 octet = 8 byte = 1 character) Note: This information releases only to Volvanic Ash no NOTAMs and ASHTAMs