



International Civil Aviation Organization

Eight Meeting of the Communications/Navigation/Surveillance and Meteorology Sub-Group (CNS/MET SG/8) of APANPIRG

Bangkok, Thailand, 12-16 July 2004

Agenda Item 8: Implementation of ISCS and SADIS

SADIS STRATEGIC ASSESSMENT TABLE 2005 – 2008

(Presented by the United Kingdom)

SUMMARY

Proposed Strategic Assessment Tables for region ASIA/PAC and years 2005-2008 are provided in this paper for the CNS/MET meeting to review and amend as necessary.

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 have been prepared by the SADIS provider State as a first estimate of the projected data volumes during years 2005-2008 required by region ASIA/PAC for uplink onto the SADIS broadcast. The data volumes relate to information that originates in the ASIA/PAC region.

2. DISCUSSION

A summary of the Strategic Assessment Tables is presented in TABLE A.

TABLE A**OPMET (Kbytes)**

OPMET	Current - 2004	2005	2006	2007	2008
ASIA	388	392	399	408	415

Note: Current figures for 2004 are derived from the SADIS Gateway. Provision is made for a modest contribution from binary (BUFR) encoded volcanic ash SIGMETs for years 2007 and 2008.

BUFR(Kbytes)

BUFR	Current - 2004	2005	2006	2007	2008
ASIA	0	0	0	40	40

Note: Provision is made for the potential distribution of BUFR encoded VAGs.

AIS(Kbytes)

AIS	Current - 2004	2005	2006	2007	2008
ASIA	0	No requirement	10	10	10

Note: Provision is made for the distribution of ASHTAMS and NOTAMS related to volcanic ash.

3. ACTION TAKEN

The CNS/MET group is invited to review the Strategic Assessment Tables 1 to 3.

**SADIS STRATEGIC ASSESSMENT TABLES
CURRENT AND PROJECTED DATA VOLUMES 2005-2008**

Note 1: 1 octet = 1 byte = 1 character;

Note 2: low-level (SWL) <FL100; medium level (SWM): FL100 – FL250; high-level (SWH): >FL250.

Table 1. ASIA— OPMET data volumes

Main routing(s): AFTN, direct line (GTS)

<i>OPMET data</i>	<i>Current 2004</i>	<i>Projected 2005</i>	<i>Projected 2006</i>	<i>Projected 2007</i>	<i>Projected 2008</i>
ALPHANUMERIC DATA					
Number of FC bulletins issued per day	34	35	40	45	50
Average number of stations per FC bulletin	4	4	4	4	4
Number of FT bulletins issued per day	165	170	175	180	185
Average number of stations per FT bulletin	4	4	4	4	4
Number of SA bulletins issued per day	872	875	880	885	890
Average number of stations per SA bulletin	4	4	4	4	4
Number of SP bulletins issued per day	24	25	30	35	40
Number of SIGMET bulletins issued per day	13	15	15	20	20
Number of FK/FV bulletins issued per day	0	1	1	1	1
BINARY DATA					
Number of other bulletins issued per day	0	0	0	2	2
(please specify header(s))					
Average number of stations per bulletin	-	-	-	1	1
TOTALS					
Total number of OPMET bulletins per day	1109	1121	1141	1166	1186
Average size of OPMET bulletin (bytes)	350	350	350	350	350
Total estimated OPMET data volume per day (bytes)	388K	392K	399K	408K	415K

Note: Provision is made for the potential distribution of binary (BUFR) encoded volcanic ash SIGMETs during years 2007 and 2008.

Table 2. ASIA — BUFR data volumes

Main routing(s): GTS

<i>BUFR SIGWX messages</i>	<i>Current 2004</i>	<i>Projected 2005</i>	<i>Projected 2006</i>	<i>Projected 2007</i>	<i>Projected 2008</i>
WMO Header				N/A	N/A
Time(s) of issue of data (UTC)	-	-	-	Misc	Misc
Average size of message (bytes)	-	-	-	20K	20K
Data level (e.g. FL range or low (SWL)/medium (SWM) level)	-	-	-	Misc	Misc
Validity time(s) of data VT (UTC)	-	-	-	Misc	Misc
TOTALS					
Total number of BUFR messages per day	0	0	0	2	2
Average size of messages (bytes)	-	-	-	20K	20K
Total estimated volume of BUFR messages per day (bytes)	0	0	0	40K	40K

Note: Provision is made for the potential distribution of BUFR encoded VAGs during years 2007 and 2008.

Table 3. ASIA — AIS data volumes

Main routing(s): AFTN

<i>AIS</i> <i>(Subject to statement of an operational requirement)</i>	<i>Current</i> <i>2004</i>	<i>Projected</i> <i>2005</i>	<i>Projected</i> <i>2006</i>	<i>Projected</i> <i>2007</i>	<i>Projected</i> <i>2008</i>
ALPHANUMERIC AIS DATA (e.g. NOTAMs, ASHTAMs)	ASHTAMS and NOTAMS related to volcanic ash				
Bulletin type	-	No requirement	ASHTAM	ASHTAM	ASHTAM
Number of bulletins issued per day			2	2	2
Average size of each bulletin (bytes)			5K	5K	5K
Bulletin type			NOTAM	NOTAM	NOTAM
Number of bulletins issued per day			2	2	2
Average size of each bulletin (bytes)			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
Average size of AIS bulletin (byte)	-		5K	5K	5K
Total number of AIS charts issued per day	0		0	0	0
Average size of AIS chart (byte)	-		-	-	-
Total estimated volume of AIS data per day (bytes)	0		10K	10K	10K

Note: Provision is made for the distribution of ASHTAMS and NOTAMS related to volcanic ash during years 2206, 2007 and 2008.