



**International Civil Aviation Organization**

**AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)  
METEOROLOGY SUB-GROUP EIGHTH MEETING (MET/SG/8)**

(Nairobi, Kenya, 25-27 June 2007)

**Agenda Item 3: WAFS in the AFI region**

**SADISs Strategic Assessment Tables 2007-2011**

*(Presented by SADIS Provider State)*

**Summary**

Proposed Strategic Assessment Tables for the information of the AFI region to be uplinked via SADIS during the period 2007-2011 are provided in this paper for the group to review and amend as necessary.

**1. Introduction**

1.1 As a result of a draft conclusion formulated by the SADISOPSG/3 Meeting, the sub-groups of the PIRGs have a task to update the SADIS Strategic Assessment Tables annually and forward the updated tables to SADISOPSG (through its Strategic Assessment Team). This information is intended for the SADIS Provider State to form the basis for the future development of the SADIS.

1.2 The eleventh meeting of the SADISOPSG, held in Cairo from 23 to 25 May 2006, reviewed the Strategic Assessment Tables and formulated one decision and one conclusion, which are presented in the discussion part of the paper.

1.3 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 (2007 to 2011 inclusive). The meeting is expected to review and update the tables as necessary.

**2 Discussion**

2.1 Regarding the format of the tables, SADISOPSG/11 recalled that it had agreed that there was no need to include volcanic ash and tropical cyclone advisories in the assessment tables due to the very low volume of data involved, nor "AIS charts" since there were no plans to use the SADIS to disseminate AIS data in chart form (Decision 10/13 refers). The group concurred, with a further simplification of tables only to include information required for the calculation of daily data volumes, and formulated the following decision:

***Decision 11/16 – Simplification of the format of the Strategic Assessment Tables***

*That, the simplified format of the Strategic Assessment Tables as provided in Appendix I to this report be used for the future assessment.*

2.2 SADISOPSG/11 noted that the figures for 2006 had been obtained from an analysis of the OPMET data promulgated to SADIS via the SADIS gateway. On completion of the review of the tables, the group requested the Secretariat to forward copies of the tables to the MET sub-groups of the PIRGs concerned in view of forming the basis for the next regional update of future SADIS requirements, and formulated the following conclusion:

***Conclusion 11/17 — SADIS Strategic Assessment Tables***

*That,*

*a) the SADIS Provider State take note of the completed SADIS Strategic Assessment Tables, provided in Appendix I to this report, to form the basis for the future development of the SADIS; and*

*b) the Secretariat forward the SADIS Strategic Assessment Tables to the MET sub-groups of the PIRGs concerned for update in respect of future requirements.*

*Note 1.— Any major changes to the SADIS will be subject to draft conclusions, to be formulated by the SADISOPSG, to be endorsed by the relevant PIRGs, and to be noted, as necessary, by the Commission or Council.*

*Note 2.— Completed SADIS Strategic Assessment Tables are provided by ICAO Regional Offices to the SADISOPSG following consideration at appropriate subgroup meetings of the PIRGs concerned.*

2.3 It should be noted that draft figures for 2007-2011 would be prepared by the SADIS Provider State and presented for endorsement by the regional MET sub-group meetings during 2007 using the current figures as a base line. This would ensure that projected figures were consistent with the current OPMET data distributed on the SADIS.

2.4 The draft Strategic Assessment Tables, 2007-2011, for the AFI region are provided in Attachment A. After reviewing and updating the tables, as necessary, the meeting is expected to forward the tables to SADISOPSG by adopting the following Decision:

***Decision ~~8/XX~~ – SADIS Strategic Assessment Tables***

*That, the AFI SADIS Strategic Assessment Tables, as given in Appendix A to this report, be adopted and forwarded to the SADISOPSG for planning the future SADIS bandwidth requirements.*

**3 Action by the Meeting**

3.1 The meeting is invited to:

- a) Review the SADIS Strategic Assessment Tables and update them, as necessary; and
- b) Agree on the proposed Decision in para. 2.4 above.

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## APPENDIX A

**SADIS STRATEGIC ASSESSMENT TABLES:  
CURRENT AND PROJECTED DATA VOLUMES 2007-2011.**

## SUMMARY

*Note. – 1 octet = 1 byte = 1 character*

**Table 1. OPMET data volumes per day (in K bytes)**

<b>Region</b>	<i>Current 2007</i>	<i>Projected 2008</i>	<i>Projected 2009</i>	<i>Projected 2010</i>	<i>Projected 2011</i>
<b>AFI</b>	<b>685</b>	<b>667</b>	<b>674</b>	<b>680</b>	<b>-</b>

**Table 2. BUFR data volumes per day (in K bytes)**

<b>Region</b>	<i>Current 2007</i>	<i>Projected 2008</i>	<i>Projected 2009</i>	<i>Projected 2010</i>	<i>Projected 2011</i>
<b>AFI</b>	<b>0</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>-</b>

**Table 3. AIS data volumes per day (in K bytes)**

<b>Region</b>	<i>Current 2007</i>	<i>Projected 2008</i>	<i>Projected 2009</i>	<i>Projected 2010</i>	<i>Projected 2011</i>
<b>AFI</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>-</b>

**SADIS STRATEGIC ASSESSMENT TABLES CURRENT AND  
PROJECTED DATA VOLUMES 2007-2011**

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

**Table 1. AFI— OPMET data volumes**

<i>OPMET data</i>	<i>Current 2007</i>	<i>Projecte d 2008</i>	<i>Projected 2009</i>	<i>Projecte d 2010</i>	<i>Projecte d 2011</i>
<b>ALPHANUMERIC DATA</b>					
Number of <b>FC bulletins</b> issued per day	138	165	170	175	-
Number of <b>FT bulletins</b> issued per day	294	325	330	335	-
Number of <b>SA bulletins</b> issued per day	1693	1580	1590	1600	-
Number of <b>SP bulletins</b> issued per day	6	5	5	5	-
Number of <b>SIGMET bulletins</b> issued per day	10	10	10	10	-
<b>BINARY DATA</b>					
Number of other bulletins issued per day	0	0	0	0	-
<b>TOTALS</b>					
Total number of OPMET bulletins per day	2141	2085	2105	2125	-
Average size of OPMET bulletin (bytes)	320	320	320	320	-
Total estimated OPMET data volume per day (in K bytes)	<b>685</b>	<b>667</b>	<b>674</b>	<b>680</b>	-

*Note.— No provision is being made for the distribution of BUFR-coded OPMET data. Capacity for this data may need to be included depending on the issuance of this data in the region.*

**Table 2. AFI — BUFR data volumes**

<i>Graphical information in the BUFR code form</i>	<i>Current 2007</i>	<i>Projected 2008</i>	<i>Projected 2009</i>	<i>Projected 2010</i>	<i>Projected 2011</i>
<b>TOTALS</b>					
Total number of BUFR messages per day	0	2	2	2	-
Average size of messages (bytes)	0	20000	20000	20000	-
Total estimated volume of BUFR messages per day (in K bytes)	0	40	40	40	-

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

**Table 3. AFI — AIS data volumes**

<i>AIS data</i>	<i>Current 2007</i>	<i>Projected 2008</i>	<i>Projected 2009</i>	<i>Projected 2010</i>	<i>Projected 2011</i>
<b>ALPHANUMERIC AIS DATA</b> (NOTAM related to volcanic ash, ASHTAM)					
Number of ASHTAM bulletins issued per day	0	2	2	2	-
Number of NOTAM bulletins issued per day	0	2	2	2	-
<b>TOTALS</b>					
Total number of AIS bulletins per day	0	4	4	4	-
Average size of AIS bulletin (byte)	0	5000	5000	5000	-
Total estimated volume of AIS data per day (in K bytes)	0	20	20	20	-

*Note.— Provision is made for the distribution of ASHTAM and NOTAM related to volcanic ash.*

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