



International Civil Aviation Organization

**FOURTEENTH MEETING OF THE
COMMUNICATIONS/NAVIGATION/SURVEILLANCE
AND METEOROLOGY SUB-GROUP OF
APANPIRG (CNS/MET SG/14)**



Jakarta, Indonesia, 19 – 22 July 2010

Agenda Item 8: Regional Implementation of World Area Forecast System (WAFS)

3) other WAFS (ISCS & SADIS) implementation issues

SADIS STRATEGIC ASSESSMENT TABLES 2010-2014

(Presented by the SADIS Provider State)

SUMMARY

Proposed strategic assessment tables for the information of the ASIA region to be uplinked via SADIS during the period 2010-2014 are provided in this paper for the group to review and amend as necessary.

This paper relates to:

Strategic Objectives:

A: Safety – Enhance global civil aviation safety

D: Efficiency – Enhance the efficiency of aviation operations

Global Plan Initiatives:

GPI-18 Aeronautical Information

1. Introduction/Background

1.1 As a result of a draft conclusion formulated by the SADISOPSG/3 meeting, the subgroups 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 SADISOPSG/15 (2010) reviewed the latest Strategic Assessment Tables and formulated one conclusion – as presented in the discussion part of this paper.

1.3 The following Strategic Assessment Tables for the ASIAPAC region have been prepared by the SADIS Provider State on behalf of the SADISOPSG Strategic Assessment Team for the purpose of planning resources for the next 5 years (2010-2014 inclusive). The meeting is expected to review and update the tables as necessary.

2. Discussion

2.1 SADISOPSG/15 noted that the figures for 2010 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 15/10 – SADIS Strategic Assessment Tables

That,

a) the SADIS Provider State take note of the completed SADIS Strategic Assessment Tables, provided in Appendix E¹ 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 subgroups 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; and

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

2.2 It should be noted that draft figures for 2010-2014 would be prepared by the SADIS Provider State and presented for endorsement by the regional MET sub-group meetings during 2010 using the current figures (2010) as a base line. This would ensure that projected figures were consistent with the current OPMET data distributed on the SADIS.

2.3 The group will be aware of plans to implement at some future date the provision of TAF/METAR/SIGMET data using XML (or similar) code. Since it is currently expected that an enabling clause will allow for such alternative code forms as of Amendment 76 to ICAO 3 Annex 3 — *Meteorological Service for International Air Navigation* (applicability in November 2013) inclusion of estimates of data volumes from 2014 had been considered. However, given that such data exchange will be on a bilateral basis from 2013, with more general exchange expected (subject to endorsement by the Divisional Meeting in 2014) from 2016, it is not considered that modifications to the tables with regard to XML (or similar) schemas are necessary at this stage.

2.4 The draft ASIA region SADIS strategic assessment tables for 2010-2014 are provided in Appendix A and B of this paper. After reviewing and updating the tables, as necessary, the meeting is expected to forward the tables to SADISOPSG by adopting the following draft decision:

¹ Appendix to the source SADISOPSG/15 report

Decision 14/xx – SADIS Strategic Assessment Tables

That, the ASIA region SADIS strategic assessment tables, as given in Appendix² 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 draft decision proposed for the groups consideration.

² Appendix to the CNS MET SG final report

APPENDIX A

**SUMMARY OF THE STRATEGIC ASSESSMENT TABLES:
CURRENT AND PROJECTED DATA VOLUMES 2010-2014**

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

<i>Region</i>	<i>Current 2010</i>	<i>Projected 2011</i>	<i>Projected 2012</i>	<i>Projected 2013</i>	<i>Projected 2014</i>
ASIA	970	1029	1065	1097	

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

<i>Region</i>	<i>Current 2010</i>	<i>Projected 2011</i>	<i>Projected 2012</i>	<i>Projected 2013</i>	<i>Projected 2014</i>
ASIA	195	195	195	195	

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

<i>Region</i>	<i>Current 2010</i>	<i>Projected 2011</i>	<i>Projected 2012</i>	<i>Projected 2013</i>	<i>Projected 2014</i>
ASIA	2	2	2	2	

APPENDIX B

SADIS STRATEGIC ASSESSMENT TABLES CURRENT AND
PROJECTED DATA VOLUMES 2011-2014

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

Table 1. ASIA— OPMET data volumes

<i>OPMET data</i>	<i>Current 2010</i>	<i>Projected 2011</i>	<i>Projected 2012</i>	<i>Projected 2013</i>	<i>Projected 2014</i>
ALPHANUMERIC DATA					
Number of FC bulletins issued per day	144	155	160	165	
Number of FT bulletins issued per day	312	350	380	400	
Number of SA bulletins issued per day	2355	2400	2450	2500	
Number of SP bulletins issued per day	3	20	30	45	
Number of SIGMET bulletins issued per day	72	85	95	100	
TOTALS					
Total number of OPMET bulletins per day	2886	3010	3115	3210	
Average size of OPMET bulletin (bytes)	344	350	350	350	
Total estimated OPMET data volume per day (in K bytes)	970	1029	1065	1097	

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

Table 2. ASIA — PNG data volumes

<i>Graphical information in the PNG chart form</i>	<i>Current 2010</i>	<i>Projected 2011</i>	<i>Projected 2012</i>	<i>Projected 2013</i>	<i>Projected 2014</i>
TOTALS					
Total number of PNG charts per day	2	2	2	2	
Average size of charts (bytes)	100000	100000	100000	100000	
Total estimated volume of PNG charts per day (in K bytes)	195	195	195	195	

Note. — Provision is made for the distribution of PNG-encoded VAG.

Table 3. ASIA — AIS data volumes

<i>AIS data</i>	<i>Current 2010</i>	<i>Projected 2011</i>	<i>Projected 2012</i>	<i>Projected 2013</i>	<i>Projected 2014</i>
ALPHANUMERIC AIS DATA (NOTAM related to volcanic ash, ASHTAM)					
Number of ASHTAM bulletins issued per day	2	2	2	2	
Number of NOTAM bulletins issued per day	2	2	2	2	
TOTALS					
Total number of AIS bulletins per day	4	4	4	4	
Average size of AIS bulletin (byte)	600	600	600	600	
Total estimated volume of AIS data per day (in K bytes)	2	2	2	2	

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