



International Civil Aviation Organization

**TWENTIETH MEETING OF THE METEOROLOGY SUB-GROUP
(MET SG/20) OF APANPIRG**

Bangkok, Thailand, 6 – 9 June 2016

Agenda Item 6: Research, development and implementation issues in the MET field

6.2 Data exchange

**SUMMARY OF RECENT AND FORTHCOMING
DEVELOPMENTS TO THE SADIS**

(Presented by the SADIS Provider)

SUMMARY

This paper reports on the progress of the SADIS since the last meeting of the Asia/Pacific MET Sub Group in August of 2015. Some of these developments have had a direct impact on end users. A number of important developments are planned to the SADIS in future years and these are highlighted in this paper for the consideration of the group.

This paper relates to – **Strategic Objectives:**

A: *Safety – Enhance global civil aviation safety*

Global Plan Initiatives:

GPI-19 Meteorological Systems

1. INTRODUCTION

1.1 This paper reports on the progress of the SADIS since the nineteenth meeting of the Asia/Pacific MET Sub Group (3rd to 6th August 2015, Bangkok, Thailand). Since APAC MET SG/19 there has been one meeting of the Meteorological Operations Working Group (WG-MOG) relating to WAFS/SADIS (8th to 11th September 2015, Gatwick, UK).

1.2 Users of SADIS are encouraged to review the 'Reference Documents' links for SADIS on the public WG-MOG webpage, accessible here:

<http://www.icao.int/airnavigation/METP/MOG/Pages/default.aspx>

2. RECENT DEVELOPMENTS

2.1 Cessation of the SADIS, 1200 UTC, 31 July 2016

Although strictly an event due to occur in the very near future, the importance of this change appears to justify including as the first item of this paper. The meeting will recall that, owing to the impending decommissioning of the existing satellite platform (Intelsat 904) from which SADIS 2G is broadcast, the SADIS 2G Service will cease at 1200 UTC on 31 July 2016. This decision followed discussions with the SADISOPSG, and subsequently the METP/1, where it was agreed that

the SADIS 2G satellite broadcast should be withdrawn, and that it would not be replaced with an alternative satellite broadcast service.

The Secure SADIS FTP service will therefore become the sole method of accessing SADIS from 1200 UTC on 31 July 2016.

A separate paper, providing more information on this matter, is presented to this meeting.

Action: *All current SADIS 2G users who have not yet obtained access to Secure SADIS FTP are encouraged by the ICAO METP and the SADIS Provider State to transition to the Secure SADIS FTP platform as early as possible. Although the SADIS 2G signal will be available until 1200 UTC 31 July 2016. Any users who have not yet migrated are **strongly encouraged to do so without further delay**. This will ensure they are fully operational on Secure SADIS FTP well in advance of cessation of the SADIS 2G service.*

2.2 **Increase of Secure SADIS FTP Individual client connections limit**

The overall bandwidth available to the Secure SADIS FTP Service (between the SADIS Provider and the SADIS Provider's Internet Service Provider) has been increased from 16Mbit/sec bursting 24Mbit/sec to 24Mbit/sec bursting 42Mbit/sec. Individual client connections to Secure SADIS FTP have had the limit raised from 1024Kbit/sec to 2048Kbit/sec. Both of these enhancements were implemented at 1200 UTC, 27 October 2016.

Suggested action: *Note this information.*

2.3 **SADIS Gateway mid-life upgrade**

The SADIS Gateway Mid-Life Upgrade implementation was completed at 1000 UTC on 6 January 2016.

Suggested action: *Note this information.*

2.4 **Deletion of redundant files/folders from Secure SADIS FTP**

At the WG-MOG/1 meeting, it had been identified that a small number of files and folders were now redundant, and that they should be deleted from Secure SADIS FTP. Legacy Volcanic Ash Graphic forecasts in 'T4' format were deleted with effect 1200 UTC 17 November 2015. The 'LAST_18HOURS_DATA' file was deleted with effect 1200 UTC 5 April 2016.

Suggested action: *Note this information. No further action is required.*

3. FORTHCOMING DEVELOPMENTS

3.1 New definition of the SADIS acronym

The meeting will be aware that, since inception, the SADIS acronym has been defined as 'Satellite Distribution System for Information Relating to Air Navigation'. Following the withdrawal of the satellite component of the service, the current definition for SADIS becomes a misnomer. Accordingly, the WG-MOG/1 meeting endorsed the re-definition of the service to be 'Secure Aviation Data Information Service', which permits ongoing use of the 'SADIS' acronym. The new definition will be effective 1 August 2016.

Suggested action: Note this information.

3.2 Provision of additional flight levels to WAFS Upper Air Forecasts

Subject to the finalised version of Amendment 77 to ICAO Annex 3; it is expected that data for additional flight levels will be provided as part of the WAFS gridded upper air forecasts. The extra levels will be FL080 (750hPa); FL210 (450hPa); and FL480 (125hPa). Expected implementation will be with effect from the 1200 UTC model availability on 9 November 2016.

Action: Note this information. Contact your SADIS Workstation provider to ensure that software is updated to benefit from the additional vertical levels. Refer to the separate 'Summary of Recent and Forthcoming Developments to the WAFS' for Details of WMO AHL Allocation for the New Bulletins.'

4. STANDING ARRANGEMENTS

4.1 Access to Internet based services (Secure SADIS FTP/WIFS).

SADIS users are encouraged to apply for WIFS accounts for the establishment of backup/contingency processes in the rare event of a failure of SADIS. Users should note that there are agreed policies with regard to accessing data from SADIS and WIFS, and the use of such backup/contingency accounts. Details are available on the SADISOPSG Website:

<http://www.icao.int/airnavigation/METP/MOG/SADIS%20Reference%20Documents/Obtain%20access%20to%20WIFS%20as%20a%20backup%20to%20SADIS%20FTP.pdf>

It is the user's responsibility to apply for and arrange a WIFS account. *The SADIS Provider is not in a position to arrange such accounts on behalf of users.*

Action: Users are encouraged to establish and regularly test backup accounts with the alternative provider to be used in the rare event that their normal service (Secure SADIS FTP or WIFS, as specified by Regional Air Navigation Plan) is unavailable.

5. ACTION BY THE MEETING

5.1 The meeting is invited to:

- a) note the information contained in this paper; and
- b) discuss any relevant matters as appropriate.
