

International Civil Aviation Organization



ICAO

INFORMATION PAPER

ICAO Asia and Pacific (APAC)

Twenty-Seventh Meeting of the Meteorology Sub-Group
(MET SG/27)

Bangkok, Thailand, 04 to 08 September 2023

Agenda Item 6: Research, development and other initiatives

SADIS FTP

(Presented by Karen Shorey, WAFC London and SADIS Manager)

SUMMARY

This paper reports on the operation of the Secure Aviation Data Information Service (SADIS) since the APANPIRG MET SG/26 meeting in August 2022.

1. INTRODUCTION

1.1 This paper presents developments to the SADIS since the twenty-sixth meeting of the APANPIRG MET Sub-Group. There has been one meeting of the Meteorological Operations Group Working Group relating to SADIS (WG-MOG22 SADIS) since MET SG/27.

1.2 Appendix A provides a list of SADIS users located within the Asia Pacific region and is a subset of the latest “Status of Implementation of SADIS” document that can be found here: <https://www.icao.int/airnavigation/METP/MOGWIFSSADIS%20Reference%20Documents/Forms/AllItems.aspx> (the ICAO METP public pages).

2. SADIS OPERATION

Changes to the data available on SADIS

2.1 There have been no changes to the WAFS data sets on SADIS since May 2021.

2.2 The 1.25 degree WAFS gridded data set for cumulonimbus, icing and turbulence (CAT) are being retired from the SADIS FTP system in November 2023. It is important to note that these data sets were removed from Annex 3 in November 2020 and have been provided since then to allow users plenty of time to switch over to the replacement 0.25 degree versions. Any users who have not yet switched over are encouraged to make this change straight away.

2.3 In January 2023 IWXXM data sets from the Asia-Pacific region were added to SADIS, followed by Middle Eastern data in April 2023. Only data which is exchanged through internationally through the ROC/IROG network to ROC London is available on SADIS.

2.4 A separate paper and presentation explains the upcoming changes relating to the introduction of the new SADIS API system.

SADIS Efficacy Survey

2.5 The 2023 SADIS efficacy survey has now commenced and is available via <https://response.questback.com/metoffice/siu8qgrbmg>. All SADIS users are encouraged to participate in this survey prior to 31 December 2023, and invitations to participate in the survey are also being sent out via SADIS administrative messages.

2.6 The SADIS provider would like to thank those who responded last year.

SADIS Data Catalogue

2.7 A catalogue of METAR and TAF data usually present on SADIS has been created (from data obtained during a February 20213 monitoring period) so that missing data can be more easily identified. The latest edition of the catalogue is hosted within the documentation section on the SADIS FTP server, and the ICAO METP public pages.

2.8 If a SADIS user identifies that some METAR or TAF data is absent, the list should be consulted to see if it is usually present before reporting it to SADISmanager@metoffice.gov.uk to report it as missing. If the location is not listed that is required please e-mail the SADIS manager to request for it to be added to the data feed.

SADIS Workstation Evaluations

2.9 A SADIS workstation evaluation guide is available on the ICAO METP public pages to assist users in assessing whether their visualization software has the correct functionality. If issues are identified these can be raised directly with the software provider.

SADIS Backup Account

2.10 SADIS Users are entitled to a backup account with the WIFS system provided by WAFC Washington (<https://www.aviationweather.gov/wifs>), which can be used in the rare event that there is a SADIS outage. The backup account should be tested periodically to make sure that it can be utilized when the need arises.

3. ACTION BY THE MEETING

3.1 The meeting is invited to note the information contained in this paper.

APENDIX A – Status of implementation of SADIS.

This is an excerpt of the full document and only shows users in the Asia-Pacific region.

Please note that whilst Indonesia was temporarily not a SADIS user as of February 2023, they have subsequently re-joined.

STATUS OF IMPLEMENTATION OF SADIS FTP (LISTED BY ICAO REGIONS)

(28 February 2023)

Note. — Non-operational approved users, and those who no longer take the service (for whatever reason) or who have not used SADIS for a period of at least two years are indicated in italics

Key:

SADIS FTP = operational user ('X') of SADIS FTP service
 * = approved SADIS hardware and/or software supplier

ICAO Contracting State		User		Location	SADIS FTP
No	Name	No	Name	Name	
ASIA REGION					
1.	Afghanistan	1.	PACTEC International	Kabul	X
	<i>Afghanistan</i>		<i>National Meteorological Service</i>	<i>Kabul Airport</i>	
2.	Australia	2.	Bureau of Meteorology	Melbourne	X
	Australia	3.	Weather Zone	North Sydney	X
	Australia	4.	Air Services Australia	Canberra	X
3.	Bangladesh	5.	National Meteorological Service	Dhaka Airport	X
4.	Cambodia	6.	State Secretariat of Civil Aviation (SSCA)	Phnom Penh International Airport	X
5.	China	7.	Civil Aviation Administration of China (CAAC)	Aviation Meteorological Center	X
	China	8.	Civil Aviation Administration of China (CAAC)	Beijing Airport	X
	China	9.	Civil Aviation Administration of China (CAAC)	Guangzhou Airport	X
	China	10.	Hong Kong Observatory	Hong Kong Intl. Airport	X
	China	11.	Civil Aviation Authority	Macau Airport	X
	China	12.	Meteorological and Geophysical Bureau	Macau	X
	<i>Democratic People's Republic of Korea</i>		<i>Civil Aviation Authority</i>	<i>Pyongyang Airport</i>	
6.	India	13.	India Meteorological Department	New Delhi	X
	India	14.	Sheory Digital Systems	Mumbai	X
	<i>Indonesia</i>		<i>Badan Meteorologi Klimatologi dan Geofisika (BMKG)</i>	<i>Sultan Hasanuddin International Airport, Makassar</i>	
7.	Lao People's Democratic Republic	15.	Ministry of Natural Resource and Environment	Vientiane International Airport	X
8.	Maldives	16.	National Meteorological Service	Male Airport	X
	<i>Mongolia</i>		<i>Civil Aviation Authority</i>	<i>Ulan Bator Airport</i>	
	<i>Myanmar</i>		<i>DMH</i>	<i>Yangon</i>	
9.	Nepal	17.	National Meteorological Service	Kathmandu Airport	X

10.	Pakistan	18.	Meteorological Department	Karachi	X
	<i>Sri Lanka</i>		<i>GHP Dharamaratna</i>	<i>Colombo</i>	
11.	Thailand	19.	Thai Meteorological Department	Suvarnabhumi Airport	X
	Thailand	20.	Thai Meteorological Department	Don Mueang Airport	X
12.	Viet Nam	21.	Civil Aviation Authority	Hanoi	X
	Viet Nam	22.	Southern Airports Corporation	Tan Son Nhat Airport, Ho Chi Min City	X
	Viet Nam	23.	Northern Airports Corporation	Noi Bai Int. Airport	X