



International Civil Aviation Organization

**MIDANPIRG Meteorology Sub-Group
Eleventh Meeting (MET SG/11)**

(Cairo, Egypt, 14–15 November 2023)

**Agenda Item 4: MET Planning and Implementation issues – Performance Framework
for MET implementation in the MID Region**

SADIS MATTERS

(Presented by the SADIS Provider)

SUMMARY

This paper provides an update on matters that relate to the WAFC London operated Secure Aviation Data Information System (SADIS).

1. INTRODUCTION

1.1 This paper reports on SADIS operational matters as well as recent and upcoming changes in the provision of data on SADIS. These changes have been agreed through the ICAO Met Panel Meteorological Operations Group (MOG) at its annual meetings.

2. OPERATIONAL SADIS MATTERS

2.1 SADIS Efficacy Survey

The annual SADIS efficacy survey for 2023 commenced on 1 July 2023 and users are being notified of it by SADIS administrative messages and, in due course, a letter from ICAO letter to focal points. The survey can also be accessed here: <https://response.questback.com/metoffice/siu8qqrimg>. The SADIS provider would like to thank those who responded last year and would like to encourage all SADIS users to participate in the 2023 Survey.

2.2 SADIS Data Catalogue

2.2.1 A catalogue of data usually present on SADIS has been created (from data obtained during the February 2023 monitoring period) so that missing TAF and METAR data can be more easily identified. The latest edition of the catalogue is hosted on SADIS in the /DOCUMENTATION/ folder and within the SADIS and WIFS documentation section on the Met Panel public webpages <https://www.icao.int/airnavigation/METP/Pages/METP%20Public%20Documents.aspx>

- If a SADIS user identifies that some METAR, TAF or SIGMET data is absent from SADIS, the catalogue should be consulted to see if it is usually present before reporting it to the SADIS Manager (sadismanager@metoffice.gov.uk) who will raise the issue with ROC London. ROC London who will investigate and work with the other ROCs

to try and restore missing data, or advise on next steps if there is a request for new data to be added to the feed.

2.3 **SADIS Workstation Evaluations**

2.3.1 The SADIS provider has put together a SADIS evaluation guide which users can use to evaluate their own systems. The intention of this guide is to assist users in identifying problems with their SADIS data visualization system/software by clearly showing what constitutes an acceptable standard. Users can then feedback any “non-compliance” issues to their software provider.

2.3.2 The new guide is called the ‘SADIS Workstation Evaluation Guide’ and is hosted in the /DOCUMENTATION/ folder on SADIS as well as the SADIS and WIFS documentation section on the Met Panel public webpages (see paragraph 2.2.1 for the url)

2.3.3 Individual SADIS Workstation evaluations can still be carried out by the SADIS provider if required, however this work will be chargeable. Please contact the SADIS to discuss costs and an evaluation schedule should this be required.

2.4 **Status of Implementation of SADIS**

2.4.1 At the end of February each year, an updated “Status of Implementation of SADIS” document is published on the Met Panel Public Webpages (in the SADIS/WIFS reference documentation section). An excerpt of this document is included in **Appendix A** and shows the users within the EUR-NAT region.

3. **RECENT CHANGES TO SADIS**

3.1 **IWXXM format data**

3.1.1 IWXXM data is available on SADIS for States served by ROC London, ROC Toulouse, ROC Vienna and ROC Moscow. Data for some other regions has now been added, and data for the Asia-Pacific region was added in January 2023, and data for the Middle East region was added in April 2023. In due course data for other parts of the world will be added once the inter-regional connections are established, but this activity is taking much longer than expected.

4. **WAFS**

4.1 **WAFS data sets**

4.1.1 No changes have been made to the WAFS gridded or SIGWX data sets in the past year. However it is important to note that the 1.25 degree horizontal resolution gridded Turbulence (CAT) Potential, Icing Potential and cumulonimbus fields will be retired on 14 November 2023. This is three years after they were removed from Annex 3.

4.1.2 A separate paper describes the upcoming changes to the WAFS data sets that will be taking place at the end of 2023 and in 2024.

4.2 **WAFS Verification Data.**

4.2.1 Verification data for WAFS London is available here <http://www.metoffice.gov.uk/aviation/responsibilities/icao>. Information availability of WAFS data on SADIS is also available here.

4.2.2 Verification data for WAFC Washington is available here: <http://www.emc.ncep.noaa.gov/gmb/icao/>.

4.2.3 Both WAFCs verify their own wind and temperature forecasts. WAFC London provides verification data for the harmonized/blended cumulonimbus cloud forecasts, and turbulence forecasts. Unfortunately, verification data is not currently available for turbulence, but it is hoped that this will be published in 2024. WAFC Washington provide verification data for the harmonized/blended icing data sets.

4.2.4 The verification data should be used in conjunction with the guidance material available on the METP public webpage (in the MOG-WAFS Reference Documents section).

5. ACTION BY THE MEETING

5.1 The meeting is invited to note the contents of this paper, and undertake the SADIS efficacy survey if their organization is a SADIS user.

Appendix A – STATUS OF IMPLEMENTATION OF SADIS FTP

(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	
MID REGION					
104.	Bahrain	188.	Ministry of Transportation Civil Aviation Affairs	Bahrain International Airport	X
105.	Egypt	189.	Meteorological Authority	Cairo Airport	X
	Egypt	190.	Egyptian Ministry of Defence	Cairo	X
	<i>Iran (Islamic Republic of)</i>	191.	<i>National Meteorological Service</i>	<i>Teheran</i>	
	<i>Iraq</i>		<i>Iraq Meteorological Organization and Seismology</i>	<i>Baghdad Airport</i>	
106.	Jordan	192.	Meteorological Department	Queen Alia Airport	X
107.	Kuwait	193.	Meteorological Department	Kuwait	X
108.	Libya	194.	National Meteorological Centre	NMC - Eswani	X
	Libya		National Meteorological Centre	Tripoli Int. Airport	X
109.	Libya	195.	National Meteorological Centre	Binena Int. Airport	X
	Oman	196.	Public Authority for Civil Aviation/ Meteorological Department	Salalah Airport	X
110.	Oman	197.	Public Authority for Civil Aviation/ Meteorological Department	Seeb Airport	X
111.	Qatar	198.	Civil Aviation Authority - Meteorology Department	Doha Airport	X
112.	Qatar	199.	Civil Aviation Authority - Meteorology Department	Doha	X
113.	Saudi Arabia	200.	General Authority of Meteorology and Environmental Protection (GAMEP)	Jeddah	X
	Saudi Arabia	201.	General Authority of Meteorology and Environmental Protection (GAMEP)	Jeddah Airport	X
114.	Saudi Arabia	202.	General Authority of Meteorology and Environmental Protection (GAMEP)	Riyadh Airport	X
	<i>Saudi Arabia</i>	203.	<i>Saudi Airlines</i>	<i>Jeddah Airport</i>	
	Sudan		Sudan Meteorological Authority	Headquarter, Khartoum	X
115.	<i>Syrian Arab Republic</i>	204.	<i>National Meteorological Service</i>	<i>Damascus</i>	
	<i>Syrian Arab Republic</i>	205.	<i>National Meteorological Service</i>	<i>Aleppo</i>	
	United Arab Emirates	206.	National Centre for Meteorology and Seismology (NCMS)	Dubai International Airport	X
	United Arab Emirates	207.	National Centre for Meteorology and Seismology (NCMS)	Dubai International Airport	X

	United Arab Emirates	208.	National Centre for Meteorology and Seismology (NCMS)	Dubai International Airport	X
116.	<i>United Arab Emirates</i>	209.	<i>Civil Aviation Authority</i>	<i>Headquarters, Abu Dhabi</i>	
	<i>United Arab Emirates</i>	210.	<i>Air Force and Air Defence Meteorological Department</i>	<i>Abu Dhabi (Al-Dhafra Air Base)</i>	
117.	Yemen	211.	Civil Aviation and Meteorological Authority (CAMA)	Sana'a Airport	X
	Yemen	212.	National Meteorological Service (YMS/CAMA)	Sana'a	X

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