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

CESSATION OF SADIS 2G – 1200 UTC, 31 JULY 2016

(Presented by the SADIS Provider)

SUMMARY
This paper presents information to the meeting with regard to the cessation of the SADIS 2G service at 1200 UTC on 31 July 2016. The Secure SADIS FTP service will continue, and is unaffected by changes to SADIS 2G.
The meeting will be pleased to note that the APAC region appears to be well prepared for the transition.

1.   INTRODUCTION

1.1   This paper presents information to the meeting with regard to the cessation of the SADIS 2G service at 1200 UTC on 31 July 2016. The Secure SADIS FTP service will continue and is unaffected by changes to SADIS 2G.

1.2   The meeting will be pleased to note that the APAC region appears to be well prepared for the transition.

2.   DISCUSSION

Background

2.1   The current satellite platform (Intelsat 904) from which the SADIS 2G is transmitted will be replaced during 2016. The replacement satellite will not have the capability to use the existing uplink/downlink frequencies used by the SADIS 2G service. Following a study of costs, benefits and risks, the SADISOPSG[1] determined that the most appropriate course of action was to cease the satellite broadcast on 31 July 2016 (the last possible day for which the existing satellite platform will be available). The first meeting of the Meteorological Panel (METP), 20-24 April 2015, Montréal, Canada, agreed with the decision of SADISOPSG.

---

[1] Disbanded in 2015. SADIS will now be overseen by the appropriate Working Groups of the Meteorological Panel (METP).

2.2   It should be noted that the Secure SADIS FTP service will continue, and is unaffected by changes to SADIS 2G. The METP, and the SADIS Provider State encourage all users of the SADIS 2G service who do not currently have access to Secure SADIS FTP to make arrangements to take the Secure SADIS FTP service at the earliest opportunity. At time of presentation of this paper, users will have less than 2 months to complete their transition to avoid being adversely affected when the satellite service is withdrawn at 1200 UTC on 31 July 2016.

Action by SADIS users

2.3   Basic information is provided below and in the **appendices** to assist SADIS users in their transition from SADIS 2G to Secure SADIS FTP. **Appendix A** to this paper provides a list of users within the Asia Pacific region, and their status with regard to SADIS 2G and Secure SADIS FTP access.

 2.3.1   **Secure SADIS FTP users (who do not use SADIS 2G)**. For these users, no impact is expected. The Secure SADIS FTP service will continue and is unaffected by changes to SADIS 2G.

 2.3.2   **SADIS 2G users who already have access to Secure SADIS FTP** are encouraged to ensure that their SADIS workstations are configured to use data from Secure SADIS FTP operationally. Users may need to contact their SADIS workstation provider with regard to configuration settings.

 2.3.3   **SADIS 2G users who do not yet have access to Secure SADIS FTP** are encouraged to make arrangements at the earliest opportunity to migrate to Secure SADIS FTP. In the first instance contact the SADIS Manager (chris.tyson@metoffice.gov.uk) to obtain a Secure SADIS FTP account. Users should then contact their SADIS workstation supplier to determine how to configure the system to use Secure SADIS FTP. Users will need to arrange a suitable connection to the internet (usually via a third party Internet Service Provider ISP).

2.4   **Appendix A** to this paper should be used by States to identify which of the above categories their users fall into.

2.5   **Appendix B** to this paper provides a simple graphic that summarizes the process for migrating from SADIS 2G to Secure SADIS FTP.

2.6   Users are encouraged to contact the SADIS Manager (chris.tyson@metoffice.gov.uk) at the earliest opportunity if they require additional information.

Further information regarding communication of the decision to cease SADIS 2G

2.7   The SADIS Provider has;

- Issued regular notifications via SADIS Administrative message (NOUK10) of the cessation date of SADIS 2G.
- Contacted all Regional Officers under the SADIS 2G footprint of the cessation data of SADIS 2G.
- Updated the SADIS Provider's webpages (http://www.metoffice.gov.uk/aviation/sadis) to indicate the cessation of the SADIS 2G service.

- Included information regarding the cessation date of the SADIS 2G service within the WAFC London Update newsletter (issued June 2015, and April 2016)
- Informed all SADIS Workstation software suppliers listed on the SADIS Provider's webpages (http://www.metoffice.gov.uk/aviation/sadis/manufacturers) of the cessation of SADIS 2G. All listed SADIS Workstation software suppliers can offer help and advice with regard to transition.

2.8   The SADIS Provider will;

- Continue to issue monthly reminders via SADIS Administrative message (NOUK10) of the approaching cessation date of SADIS 2G. The frequency will increase as the cessation date approaches.
- Continue to contact all SADIS users who have provided contact email addresses of the approaching cessation date of SADIS 2G on a monthly basis. The frequency will increase as the cessation date approaches.
- Contact those users known to only have access via SADIS 2G directly.

3.   Status

3.1   As at 30 April 2016, the majority of SADIS users in the APAC Region appear to be prepared for the cessation of SADIS 2G, with the majority now accessing Secure SADIS FTP regularly. Some users have been using Secure SADIS FTP on a more intermittent basis historically although have increased use in recent weeks.

3.2   As noted in 2.8, the SADIS provider will contact those users who have not yet migrated to the Secure SADIS FTP service.

4.   CONCLUSION

4.1   The SADIS Provider has undertaken, and will continue to undertake, all practicable measures to inform all SADIS 2G users of the approaching cessation of the SADIS 2G service, and to provide advice with regard to transition from SADIS 2G to Secure SADIS FTP.

4.2   It would appear that the majority of SADIS users in the APAC region have transitioned, or are now actively transitioning, to the Secure SADIS FTP service.

4.3   Nonetheless, SADIS user States, and SADIS users are encouraged to confirm that their systems are fully configured to use Secure SADIS FTP in advance of the cessation of SADIS 2G at 1200 UTC on 31 July 2016. It had previously been recommended that the transition should have been completed and that SADIS 2G is not being used operationally after 1 June 2016. With that date now having passed, it is strongly recommended that those users who have not yet implemented transition arrangements do so without further delay. This will prevent any last minute problems when the satellite signal is terminated on 31 July 2016. In light of the above, the meeting is invited to formulate the following draft Conclusion

Draft Conclusion 20/xx: SADIS user States and SADIS users to prepare for cessation of SADIS 2G

That,

SADIS user States and SADIS users confirm the nature of their SADIS service, and where necessary ensure that they are prepared for the cessation of SADIS 2G.

For those users not yet using, or who have not yet arranged accounts for, Secure SADIS FTP, it is strongly recommended that they urgently undertake actions to migrate to the Secure SADIS FTP service at the earliest opportunity.

Note:- Although the SADIS 2G service will continue until 31 July 2016, it had previously been recommended that user's transitions are complete and that SADIS 2G is not being used operationally after 1 June 2016.

5.   ACTION BY THE MEETING

3.1   The meeting is invited to:

a)   note the information contained in this paper; and

b)   decide upon the draft conclusion proposed for the group's consideration,

_ _ _ _ _ _ _ _ _ _ _

APPENDIX A

STATUS OF IMPLEMENTATION OF SADIS ICAO ASIA PACIFIC REGION)
(as at 30 April 2016)

Note. ─ Non-operational approved users, and those who no longer take the service (for whatever reason) are indicated in italics
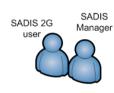
Key:
SADIS 2G VSAT =   *operational user ('X') of SADIS second-generation (2G) VSAT service*
Secure SADIS FTP =   *operational user ('X') of Secure SADIS FTP service*

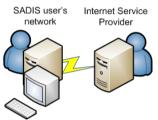| ICAO Contracting State		User		Location	Type of service	
No	Name	No	Name	Name	SADIS 2G VSAT	Secure SADIS FTP
	Afghanistan		*National Meteorological Service*	*Kabul Airport*		
1.	Australia	1.	Bureau of Meteorology	Melbourne		X
		2.	WeatherZone	North Sydney		X
2.	Bangladesh	3.	National Meteorological Service	Dhaka Airport		X
3.	Cambodia	4.	State Secretariat of Civil Aviation (SSCA)	Phnom Penh International Airport		X
4.	China	5.	CAAC	Beijing Airport	X	X
	China	6.	CAAC	Guangzhou Airport	X	X
	China	7.	Hong Kong Observatory	Hong Kong Intl. Airport	X	X
	China	8.	Civil Aviation Authority	Macau Airport	X	X
5.	Democratic People's Republic of Korea	9.	Civil Aviation Authority	Pyongyang Airport	X	
6.	India	10.	National Meteorological Service	New Delhi	X	X
	India	11.	SDS Ltd.	Mumbai		X
7.	Indonesia	12.	Badan Meteorologi Klimatologi dan Geofisika (BMKG)	Sultan Hasanuddin International Airport, Makassar	X	X
8.	Lao People's Democratic Republic	13.	Ministry of Natural Resource and Environment	Vientiane International Airport		X
9.	Maldives	14.	National Meteorological Service	Male Airport	X	X
	Mongolia		*Civil Aviation Authority*	*Ulan Bator Airport*		
	Myanmar		*DMH*	*Yangon*		
10.	Nepal	15.	National Meteorological Service	Kathmandu Airport	X	X
11.	Pakistan	16.	NMS	Karachi	X	X
	Sri Lanka		*GHP Dharamaratna*	*Colombo*		
12.	Thailand	17.	National Meteorological Service	Suvarnabhumi Airport		X
	Thailand	18.	National Meteorological Service	Don Mueang Airport		X
13.	Viet Nam	19.	Civil Aviation Authority	Hanoi	X	X
	Viet Nam	20.	Southern Airports Corporation	Tan Son Nhat Airport, Ho Chi Min City	X	X
	Viet Nam	21.	Northern Airports Corporation	Noi Bai Int. Airport	X	X

APPENDIX B

Overview of Process to migrate from SADIS 2G to Secure SADIS FTP
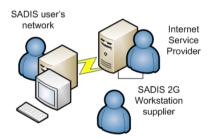
SADIS 2G
user

SADIS
Manager

1) Obtain credentials to access Secure SADIS FTP from SADIS Manager, chris.tyson@metoffice.gov.uk

SADIS 2G
user
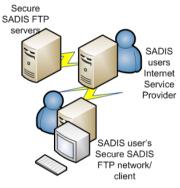
SADIS 2G
Workstation
supplier

2) Contact SADIS Workstation provider to establish detailed requirements relating to internet connectivity, and any necessary updates to SADIS Workstation software

SADIS user's
network

Internet Service
Provider

3) Establish a contract and connection with an Internet Service Provider

SADIS user's
network

Internet
Service
Provider

SADIS 2G
Workstation
supplier

4) In collaboraton with SADIS workstation supplier, using credentials provided by SADIS Manager, configure and check system is accessing Secure SADIS FTP

Secure
SADIS FTP
servers

SADIS
users
Internet
Service
Provider

SADIS user's
Secure SADIS
FTP network/
client

5) Use Secure SADIS FTP for normal SADIS Workstation operations

Recommendations:
It is strongly recommended that SADIS 2G users updating their systems to use Secure SADIS FTP:
- Contact SADIS Workstation supplier at the earliest opportunity to determine the necessary system specific steps that would be required.
- Contact the SADIS Manager at the earliest opportunity to ensure credentials are made available
- For resilience and redundancy, use an Internet Service Provider with high levels of availability, and consider having an alternative supplier for backup
- Seek quotes from several Internet Service Providers
- Arrange suitable support and maintenance contracts with the SADIS workstation provider and Internet Service Provider
- Arrange suitable system protection such as uninterruptable power supplies (UPS)