



International Civil Aviation Organization

**NINETEENTH MEETING OF THE METEOROLOGY SUB-GROUP
(MET SG/19) OF APANPIRG**

Bangkok, Thailand, 3 – 6 August 2015

Agenda Item 6: Development and implementation issues in the MET field

6.4) OPMET exchange

CESSATION OF SADIS 2G – 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 on 31 July 2016. The Secure SADIS FTP service will continue and is unaffected by changes to SADIS 2G.

1. INTRODUCTION

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

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 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.

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, and no later than 1 June 2016. This will ensure users are not adversely affected when the satellite service is withdrawn on 31 July 2016.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 notification 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)
- 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;

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

3. CONCLUSION

3.1 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.

3.2 SADIS user States, and SADIS users should determine the nature of their service (SADIS 2G or Secure SADIS FTP) and ensure that they have migrated to Secure SADIS FTP at the earliest opportunity. The recommendation is that the transition is complete and that SADIS 2G is not being used operationally after 1 June 2016. 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 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 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 is recommended that user's transition is complete and that SADIS 2G is not being used operationally after 1 June 2016.

4. 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,

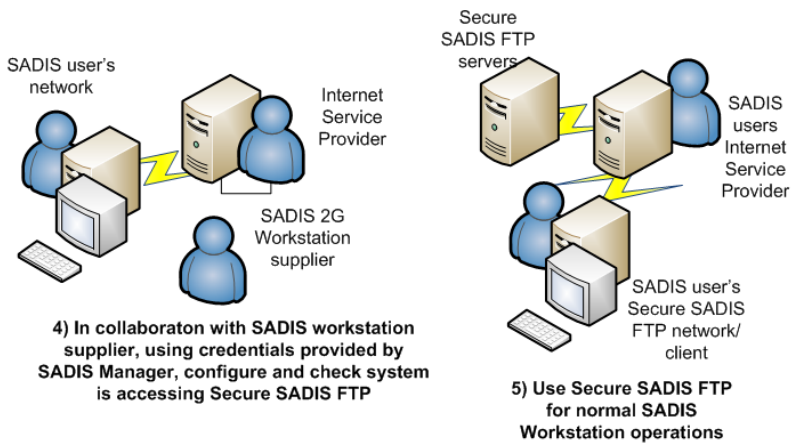
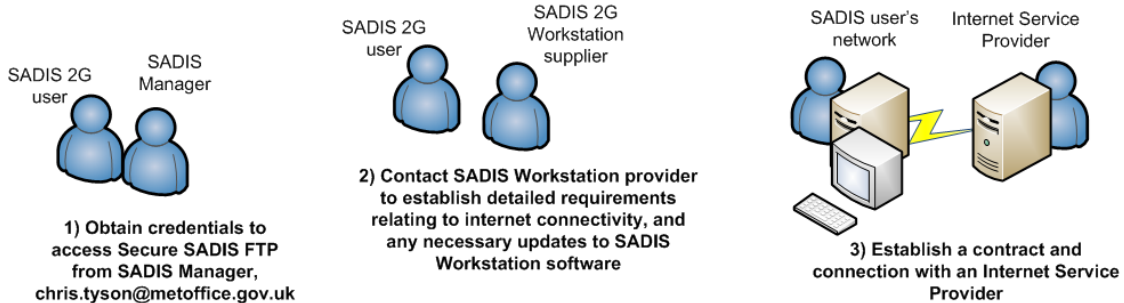
APPENDIX A

Status – as at 30 June 2015 – of SADIS 2G and Secure SADIS FTP access within the Asia Pacific region.

<i>ICAO Contracting State</i>		<i>User</i>		<i>Location</i>	<i>Type of service</i>	
<i>No</i>	<i>Name</i>	<i>No</i>	<i>Name</i>	<i>Name</i>	<i>SADIS 2G VSAT</i>	<i>Secure SADIS FTP</i>
ASIA REGION						
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
	Democratic People's Republic of Korea		Civil Aviation Authority	Pyongyang Airport	X	
5.	India	9.	National Meteorological Service	New Delhi	X	
	India	10.	SDS Ltd.	Mumbai		X
6.	Indonesia	11.	Badan Meteorologi Klimatologi dan Geofisika (BMKG)	Sultan Hasanuddin International Airport, Makassar	X	X
7.	Maldives	12.	National Meteorological Service	Male Airport	X	X
8.	Nepal	13.	National Meteorological Service	Kathmandu Airport	X	X
9.	Pakistan	14.	NMS	Karachi	X	X
10.	Sri Lanka	15.	GHP Dharamaratna	Colombo	X	
11.	Thailand	16.	Thai Intl. Airways	Suvarnabhumi Airport	X	X
	Thailand	17.	National Meteorological Service	Don Mueang Airport		X
12.	Viet Nam	18.	Civil Aviation Authority	Hanoi	X	X
	Viet Nam	19.	Southern Airports Corporation	Tan Son Nhat Airport, Ho Chi Min City	X	X
	Viet Nam	20.	Northern Airports Corporation	Noi Bai Int. Airport	X	X

APPENDIX B

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



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)