International Civil Aviation Organization

INFORMATION PAPER

MEETING OF THE METEOROLOGY PANEL (METP) WORKING GROUP MOG

FIRST MEETING

Gatwick, London, United Kingdom, 8 to 11 September 2015

Agenda Item 3:   Matters relating to SADIS
           3.3.4: SADIS Implementation - 2015

ASSISTANCE AVAILABLE TO SADIS 2G USERS MIGRATING TO SECURE SADIS FTP

(Presented by the SADIS Provider State)

SUMMARY

The Meteorological Panel (METP/1, 20-24 April 2015) endorsed the SADISOPSG decision to cease the SADIS 2G service on 31st July 2016. This paper informs the group of assistance that is available to those users who will be required to migrate from SADIS 2G to Secure SADIS FTP.

Action by the METP-WG/MOG is in paragraph 4.

1.   **INTRODUCTION**

1.1   The group will be aware that the first meeting of the Meteorological Panel (METP/1, 20-24 April 2015) endorsed the SADISOPSG decision to cease the SADIS 2G service on 31st July 2016. Separate Information Papers provide to this meeting provide more detail and background.

1.2   This aim of this paper is to inform the group of assistance that is available to those users who will be required to migrate from SADIS 2G to Secure SADIS FTP. It is also the recommendation of the SADIS Provider that all SADIS 2G users are using Secure SADIS FTP operationally by 1 June 2016 at the latest – this will ensure there are no problems when the SADIS 2G service is terminated on 31 July 2016.

2.   **DISCUSSION**

2.1   The group will be aware that the Secure SADIS FTP service has been operational since November 2010. At the time of writing the Secure SADIS FTP service has 109 regular users. Monitoring of the service demonstrates that it is an extremely reliable service.

2.2   It should also be noted that all SADIS 2G Workstations, as provided by the companies listed here (http://www.metoffice.gov.uk/aviation/sadis/manufacturers), are capable of using data from Secure SADIS FTP as well as SADIS 2G. An infographic is provided in **Appendix A** that gives an overview of the steps users should take to migrate from SADIS 2G to Secure SADIS FTP.

2.3   It may be that some updates and/or configuration changes are required, but unless the workstations are very old then it would be expected that workstations would be able to be adapted to work with Secure SADIS FTP. The SADIS Workstation providers have provided simple guidelines in relation to the adaptability of their workstations to Secure SADIS FTP. These are provided in **Appendix B**.

2.4   Consequently, it is expected that the majority of users should have little difficulty in updating their systems to use Secure SADIS FTP rather than SADIS 2G.

2.5   The most fundamental requirement is that the user can access the Internet. The increasing availability of reliable Internet access in many States over recent years makes this less of a barrier than previously. It is considered that any site where aviation meteorological services are being provided (airports, Air Navigation Service Provider installations, National Meteorological Service providers, etc.) would be expected to already have suitable internet connectivity in order to deliver essential services necessary for today's international aviation operations.

2.6   The SADIS Provider encourages all affected SADIS 2G users to avail themselves of the information above and in **Appendix A** of this paper in order to assist them in their transition from SADIS 2G to Secure SADIS FTP.

3.   **CONCLUSION**

3.1   The foregoing sets out some of the available assistance to users of SADIS 2G who will need to migrate to Secure SADIS FTP before 31 July 2016. The reasons behind the cessation of the SADIS 2G service on that date have been set out in separate Information Paper provided to this meeting.

3.2   It is incumbent upon the SADIS 2G users themselves to implement the main actions necessary to migrate from SADIS 2G to Secure SADIS FTP by 31 July 2016, but the SADIS Provider will facilitate where possible.

3.3   Although the SADIS 2G service will be switched off at 1200 UTC on 31 July 2016, *it is the strong recommendation of the SADIS Provider that all SADIS 2G users have migrated to Secure SADIS FTP by 1 June 2016 at the latest* – this will prevent any problems when the SADIS 2G service is switched off.

4.   **ACTION BY THE METP-WG/MOG**

4.1   The METP-WG/MOG is invited to note the information contained in this paper.

Overview of process to migrate from SADIS 2G to Secure SADIS FTP
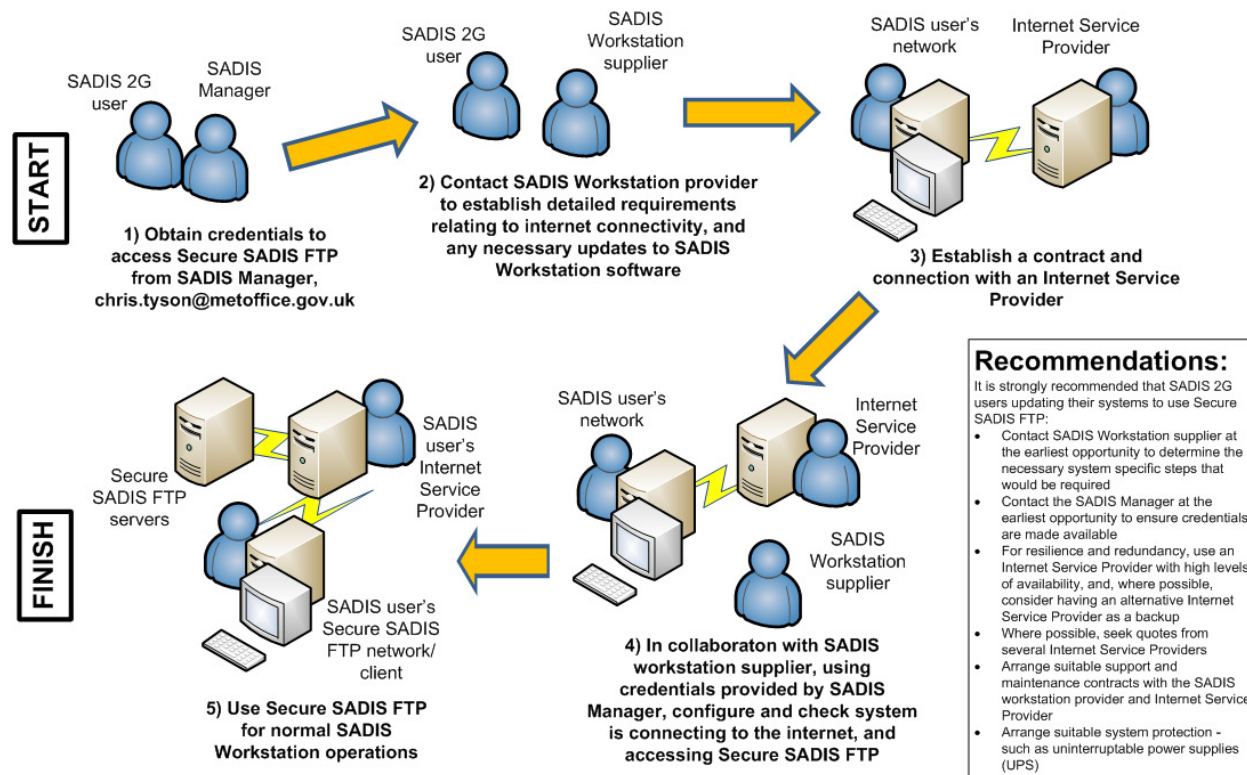
APPENDIX B

**Adaptability of SADIS Workstation Software to transition from SADIS 2G to
Secure SADIS FTP.**

With regard to gaining access to the Internet, the following guidelines are offered:
- o   Where possible always seek quotes from several internet service providers.
- o   Where possible consider having arrangements with two providers for resilience and redundancy.

In addition to the above general guidance, a number of SADIS Workstation provider listed on
http://www.metoffice.gov.uk/aviation/sadis/manufacturers have offered information on adaptability from
SADIS 2G to Secure SADIS FTP in the following pages:

In alphabetical order:
- Info Electronics Systems Inc
- Institute of Radar Meteorology (IRAM)
- MapMakers Group Ltd
- Meteo France International (MFI)
- NetSys

Info Electronics Systems Inc

1) Internet Service Provider:
> To get a good service the speed of the Internet link should be 1MBit/s or more.

2) Adaptability of the software provided by the manufacturer
> In many of Info Electronics' configurations for client sites we are using the Secure SADIS FTP as a backup solution so the switch from SADIS 2G to Secure SADIS FTP is almost at no additional effort. In case the client does not have the Secure SADIS FTP backup already implemented it still could be done within one day.

3) Included/optional assistance available
> Online training is available and will include how to setup the application, start and stop, as well as filtering out the products not required for download.

4) Contact/Additional:

Abdel. Brahm
Info-Electronics Systems Inc.
Business Development Executive
Email: abdel@info-electronics.com
Phone: 514 421-0767 x230
Web: www.info-electronics.com

Institute of Radar Meteorology (IRAM)

1) Internet Service Provider:
No special requirements to ISP, only internet connection with proper bandwidth.

2) Adaptability of the software provided by the manufacturer
MeteoExpert workstations for SADIS will only require some changes to configuration. MeteoExpert workstations without SADIS option will only need the Secure SADIS FTP client, further data processing chain is essentially the same, but a general software update may be required.

3) Included/optional assistance available
IRAM can provide on-site training as part of MeteoExpert system update (for SADIS systems or extending other MeteoExpert systems with SADIS option). Also, annually we conduct training for MeteoExpert systems on our premises. Other variants are possible on request.

4) Contact/Additional:

Address: 15, p. Voejkovo, Vsevolozhskiy rajon, Leningradskaya oblast, Russia, 188685
Tel: +7 (81370) 75-171
Fax: +7 (81370) 75-592
e-mail: expert@iram.ru
www: http://www.iram.ru

MapMakers Group Ltd

1) Internet Service Provider:
No minimum download rate specified.

2) Adaptability of the software provided by the manufacturer
The module for Secure SADIS FTP connection is a standard option in MapMakers SADIS software package.

3) Included/optional assistance available
Training module includes some on-line help which is enough to use it. Otherwise we provide support through skype and/or e-mail.

4) Contact/Additional:

Alexey Solomakhov - director (software development)

MapMakers Group Ltd.,
B. Predtechensky per.
13, Moscow 123242,
Russian Federation,

e-mail: alex@gismeteo.com
tel: +7-495-989-6377,

Meteo France International (MFI)

1) Internet Service Provider:
> Access to internet via an Internet Service Provider. No minimum requirements specified.

2) Adaptability of the software provided by the manufacturer
> To activate Secure SADIS FTP functionality the AeroMetWeb system administrator should just switch the status of the system from "Operational" to "Backup", by "clicking" the "Switch data" button. All MFI clients are aware of this command.

3) Included/optional assistance available
> No additional training is indicated as being required.

4) Contact/Additional:

Meteo France International
Park Avenue
9 rue Michel Labrousse
31100 Toulouse
France

AeroMetWeb
AeroMetWeb
Tel: +33 5 6143 2940
Fax: +33 5 6143 2941

Contact Meteo France International

NetSys

1) Internet Service Provider:
the NetSys server must be able to reach the Secure SADIS FTP server and be able to download files using the customer's approved Secure SADIS FTP login credentials. All the necessary firewalls (which is normally part of the customer's network infrastructure) must be allow the downloading of files.
NetSys normally does not get involved with network set-up outside our server/client connections.

The link should be reliable and have enough spare bandwidth to download a typical GRIB data set (20MB) in less than 20 minutes.

2) Adaptability of the software provided by the manufacturer
The data source does not affect NetSys software and all the installations with SADIS2G will support Secure SADIS FTP. It might be that the retrieval is not activated, but this can be re-configured to an active state. Both feeds can be active at the same time as duplicate checking is active by default.
It might be required that we do the Secure SADIS FTP activation for sites with insufficient skilled personnel. In this case remote access is required. The user/password needs to be added to the configuration.

3) Included/optional assistance available
As the software behaves identical no operator training is required. It might be necessary to provide notes to skilled personnel on how to troubleshoot. Generally it should not be necessary.

4) Contact/Additional:
Isak Lombard or Tiaan Wessels at +27 12 3492056, cs@netsys.co.za.

In general, NetSys customers with support and maintenance contracts will not need to pay anything if all required changes can be done remotely.

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