

SADIS COST RECOVERY & ADMINISTRATIVE GROUP (SCRAG)

NINETEENTH MEETING

(London, UK, 30th October 2018)

Agenda Item 2: Consideration of issues relevant to the SCRAG's work addressed by the METP-WG-MOG

OUTCOMES FROM METP WG-MOG/6 MEETING RELATING TO SADIS

(Presented by the United Kingdom)

REFERENCES

Report to the METP WG-MOG/6 meeting, which is located here:
<https://www.icao.int/airnavigation/METP/Sixth%20Meeting%20Reports/Forms/AllItems.aspx>

1. INTRODUCTION

- 1.1 The sixth meeting of the Meteorological Operations Group to the Meteorological Panel (METP WG-MOG/6), was held from 10-11 April 2018, in Offenbach, Germany. This Working Paper appraises the meeting of outcomes relating to SADIS.
- 1.2 This paper includes the following Attachment received from the Rapporteur of the WG-MOG:
Attachment 1: Annual statement of operational efficacy of SADIS 2017/2018

2. DISCUSSION

- 2.1 The following actions and decisions relating to the SADIS Service were documented in the report of the METP WG-MOG/6:
- 2.2 The OPMET content of SADIS was reviewed, and compared against the data available on WIFS to identify discrepancies. A discussion was also held about the need for a definitive catalogue of OPMET information (regardless of AOP status). The following actions were agreed:

Action 6/1: — Alignment of OPMET content from SADIS and WIFS

That, in coordination with the European OPMET Data Management Group, the SADIS and the WIFS provider states be invited to:

- a) continue efforts to align the OPMET content of SADIS and WIFS for scheduled OPMET information (METAR and TAF) and non-scheduled OPMET information (such as AIRMET and Special AIREP);
- b) report on progress in respect of a) above to the next WG-MOG Meeting; and,
- c) provide an updated SADIS/WIFS OPMET Data Catalogue in electronic form for monitoring purpose.

Action 6/7: — Catalogue of OPMET Information

That the SADIS provider State in association with the EUR Data Management Group (DMG) undertakes the provision of a SADIS/WIFS OPMET Data Catalogue. The task will include the following:

- a) highlight where OPMET information is not aligned with Doc 7910;
- b) investigate the procedure that ICAO Regions adopt for changing OPMET; distribution lists and the update schedule for inter-regional exchange
- c) make reference to location identifier, station name, State and Region

The provisional catalogue should be completed by September 2018 and published on the MOG Website.

Status: V1.0 of the Catalogue is complete and has been published on SADIS (in the /DOCUMENTS/ directory. Considerable investigative work has also taken place between the SADIS Gateway Provider and the WIFS Gateway provider to align the OPMET data sets.

- 2.3 The results of the ICAO hosted SADIS “State level” Operational Efficacy questionnaire for 2017-2018 were presented, and it was noted whilst all respondents were satisfied with the service the number of questionnaire responses has continued to decline. The trial web-based SADIS “user level” survey achieved 48 more responses and had a similar overall satisfaction rating. Feedback on the web-based trial itself was sought and users responded that they found it easy to understand and quick to complete. The following actions were agreed:

Action 6/2: — Annual statement of operational efficacy of SADIS 2017/2018

That the Chair of the METP-WG/MOG be invited to inform the Chair of the SCRAG that the SADIS continued to meet the operational requirements during the period 2017/2018.

Status: Complete. The notification is included in Attachment 1.

Action 6/3: – 2018/2019 SADIS Efficacy Questionnaire

That,

a) The ICAO hosted SADIS “State Level” Efficacy questionnaire be retired and replaced with the web-hosted SADIS “User level” Efficacy Survey as specified in Appendix B to the METP-WG/MOG6 report.

b) SADIS users be invited to participate in the survey via State Letter, e-mail and SADIS administrative messages; and

c) the survey to be carried out between 01 July 2018 and 31 December 2018.

Status: In Progress. The 2018/2019 survey is underway, however we are still waiting for ICAO to issue a State Letter.

- 2.4 SADIS Bandwidth capacity was reviewed and it was noted that the peak capacity is reached soon after a new WAFC data set becomes available, resulting in users experiencing slower download speeds than normal. Due to a major company wide bandwidth upgrade taking place at the SADIS provider in mid-late 2018, the opportunity has arisen to double the SADIS bandwidth allocation, whilst seeing annual charge decrease. According the following decision was made:

Decision 6/4 — SADIS FTP Bandwidth

That the SADIS provider upgrades the SADIS bandwidth to 80Mbit/sec bursting 120Mbit/sec as soon as the Met Office infrastructure upgrade enables this change to take place.

Status: The bandwidth increase is expected to take place in November or December 2018

- 2.5 The SADIS Agreement and Inventory was updated for 2018-2019

Action 6/5 — SADIS Agreement Annex I and II 2018-2019

That, the Chair of the METP-WG/MOG be invited to forward the updated SADIS inventory to the Chair of SCRAG.

Status: Complete. Updated SADIS inventory is presented as WP/12

- 2.6 The trial graphical low level area forecast survey participation was reviewed, with 8 States currently participating in the trial. It was decided that trial should be extended to increase participation further before evaluating the long term need for this data on SADIS.
- 2.7 The provision of GAMETS forecasts was discussed, and it was contemplated whether the SADISOPSG/7 Conclusion 7/8 limitation that restricts the provision of GAMETS on SADIS to the EUR region could be removed. The following action was agreed:

Action agreed 6/6: — Trial provision of Low-level area forecasts

That the SADIS Provider State,

- a) Continue the trial provision of low-level area forecasts in graphical format on SADIS FTP until 10 July 2019.
- b) Provide a paper for the consideration by METP/4 regarding the international distribution of AIRMET/GAMET, and
- c) invite MIE to consider whether an appropriate schema for the provision of GAMET in IWXXM should be provided.

Status: The Low level area forecast trial extension is in progress. A paper has been presented to METP/4 regarding the international distribution of AIRMETs and GAMETs.

A paper was submitted to METP/WG-MIE/4 to consider a GAMET IWXXM schema, and the decision was taken that due to the variety and divergence globally in these products it would be very time consuming and costly to develop this. Instead MIE will carry out an investigation of the meteorological information required for low level flight (below FL100) and look at how best to represent this in IWXXM form .

- 2.8 SADIS will host the new Space Weather forecasts once available from November 2018, and as the SADIS user guide has been updated in preparation for this change.

Decision 6/8 — Sixth Edition of the SADIS User Guide (Part 1 and Part 2)

That, the proposed updates to the SADIS User Guide Part 1 and Part 2 be finalised and published on the ICAO website.

Decision 6/9 — Space Weather forecasts on SADIS

That Space Weather Advisories in TAC format be included on SADIS FTP once the operational service begins on 8 November 2018.

Status: Partially complete as we are still awaiting the designation of the Space Weather providers. An update to the SADIS user guide was published in May 2018.

- 2.9 An implementation plan to include IWXXM format OPMET data sets on SADIS by November 2020 was proposed to the group, and this included the introduction of a new SADIS Test server facility. This allows the data feeds to be set up and optimised without risking the operational SADIS server, and will provide SADIS users with access to the test data sets from Spring 2019. The following action was agreed:

Action 6/10 — Establishment of a SADIS Test server facility

That,

- 1) the SADIS Provider State set-up a SADIS Test server facility by early 2019 to enable SADIS users to test their systems and work with IWXXM data.
- 2) SADIS and WIFS Provider States provide a paper for consideration by METP/4 setting out the implementation strategy for SADIS and WIFS to operationally provide IWXXM OPMET data by November 2020.

Status: Test Server set up is about to commence. A paper was presented at METP/4 which set out the implementation strategy for IWXXM format OPMET data.

- 2.10 Update to the SADIS Gateway Operations Handbook:

Action 6/11 — Update to the SADIS Gateway Operations Handbook

That, the SADIS Provider State,

- a) publish and implement Version 7 of the SADIS Gateway Operations Handbook making reference to the SADIS WIFS OPMET Data Catalogue and;

b) continue to review the SADIS Gateway Operations Handbook on an annual basis and if required update and present the changes at the next METP-WG/MOG.

Status: Complete. Presented and agreed at METG28 in Paris, 18-21 September 2018.

- 2.11 Job Card METP.008.02 was reviewed to reflect current and future SADIS work activities. The scope of the Job Card has been expanded to include both SADIS and WIFS.

Action 6/12 — Job Card 8 update

- a) That the METP-WG/MOG meeting endorse the proposed updates to Job Card 8 as shown in Appendix D to this report; and
- b) That the METP-WG/MOG recommends these changes to METP/4.

Status: Complete. A paper was presented to METP/4 with the proposed changes to Job Card METP.008.02

- 2.12 Changes to the SADIS workstation evaluation process were proposed to reflect the ability of software providers to provide suitable data visualisation systems, and to encourage SADIS users to evaluate their own systems and feed back directly to the software providers. The following actions were agreed:

Action 6/13 – SADIS Workstation Evaluations

That;

- a) the SADIS provider develop a “SADIS Workstation User Evaluation Guide” and accompanying test data set which will be published in the “Documentation” section of SADIS FTP, as well as on the Met Office and ICAO METP MOG SADIS web-pages; and,
- b) the SADIS Provider is permitted to charge to carry out SADIS workstation evaluations; and,
- c) the proposed update to the “Fourth Round SADIS FTP Workstation Software Evaluation Criteria” document, included as Appendix E to the METP-WG/MOG report, endorsed by the group, be published on the Met Office and ICAO METP MOG SADIS web-pages.

Status: In progress. The “Fourth Round SADIS Workstation Software Evaluation Criteria” document has been updated and published.

- 2.13 The group noted how the SADIS documentation hosted on different parts of the ICAO website was inconsistent and contained old versions of documents. The following decision was made:

Decision 6/14 — SADIS Documentation ICAO Website

That the files located on the following three web-pages:

<https://www.icao.int/airnavigation/METP/Pages/Public-Documents.aspx>
<https://portal.icao.int/METP/MOG/Pages/MOG-Reference-Documents.aspx> and
<https://www.icao.int/airnavigation/METP/MOG/Pages/SADIS.aspx>

are reviewed to be consistent and either updated to the latest version of each file or deleted.

Status: Incomplete, despite detailed information on the required changes being provided to ICAO. Only the “public-documents” page has been updated to date.

3. CONCLUSION

3.1 A number of important proposals were considered by the METP WG-MOG/4 meeting, and this Working Paper apprises the SCRAG of those recommendations.

4. ACTION

4.1 SCRAG/19 is requested to note the information contained in this Working Paper.

ATTACHMENT 1

17 October 2018

To: Chair, SCRAG
From: Rapporteur, WG-MOG

Subject: Annual statement of operational efficacy of SADIS 2017/2018

I wish to inform you that fourth meeting of the Meteorological Operations Group to the Meteorological Panel (METP WG-MOG/6, held 10-11 April 2018, Offenbach, Germany), in Action 6/2, invited me to inform you that the operational efficacy of the SADIS had continued to be satisfactory, meeting all operational requirements since the METP WG-MOG/4, held 4-7 April 2017, Exeter, UK),

Colin Hord