

SADIS COST RECOVERY & ADMINISTRATIVE GROUP (SCRAG)

TWENTY-SECOND MEETING

(Virtual, 8th December 2021)

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

OUTCOMES FROM METP WG-MOG/15 MEETING RELATING TO SADIS

(Presented by the United Kingdom)

REFERENCES

Report to the METP WG-MOG/15 meeting, which is located here:
<https://www.icao.int/airnavigation/METP/15th%20Meeting%20SADIS/Forms/AllItems.aspx>

1. INTRODUCTION

- 1.1 The fifteenth meeting of the Meteorological Operations Group to the Meteorological Panel (METP WG-MOG/15 (SADIS/WIFS)), was held virtually on the 15th April 2021. This Working Paper appraises the meeting of outcomes relating to SADIS.
- 1.2 This paper includes a letter from the Rapporteur of the WG-MOG to the Rapporteur of SCRAG that confirms the operational efficacy of SADIS.
- 1.3 A significant upgrade to the data available on SADIS was made in November 2020 when the higher horizontal resolution (0.25 degree) hazard data sets were added to SADIS. At the same time IWXXM format data (METAR, SPECI, TAF, SIGMET, AIRMET, Volcanic Ash Advisories, Tropical Cyclone Advisories and Space Weather Advisories) was added. It should be noted that whilst SADIS is set up to handle all IWXXM data it is limited at present to mostly European Data because the inter-regional pathways between the Regional Opmet Centres (ROC's) are still being developed.

2. DISCUSSION

- 2.1 The following actions and decisions relating to the SADIS Service were documented in the report of the METP WG-MOG/15:
- 2.2 SADIS user documentation was reviewed and updated. The following were formulated:

Action Agreed 15/06 — SADIS User Guide

That;

- a) the proposed updates to the SADIS User Guide Part 1 and Part 2, as contained in SN07 Attachment 1 and 2, are accepted;
- b) the two redundant appendices (SUG Annex 2 and SUG Annex 3) that are published as separate documents are removed from the ICAO website (<https://www.icao.int/airnavigation/METP/Pages/Public-Documents.aspx>); and,
- c) once finalised, the new copy of the SADIS User Guide parts 1 and 2 is published on the ICAO website by the ICAO Secretariat.

Status: Complete

- 2.3 The OPMET content of SADIS was reviewed and compared against the data available on WIFS to identify discrepancies. A discussion was also held about how the content of the SADIS OPMET catalogue had been expanded to cater for other data types beyond METAR and TAFs. The following actions were agreed:

Action agreed 15/05: SADIS OPMET Catalogue

That;

- a) the April 2021 update to the SADIS OPMET catalogue, once finalised is published on SADIS and <https://www.icao.int/airnavigation/METP/Pages/Public-Documents.aspx> (replacing the previous version).
- b) the catalogue is updated at least annually

Status: Complete.

In addition, Action carried forward from METP/WG-MOG/6

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 of 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.

Status: ongoing

- 2.4 The results of the ICAO hosted SADIS “State level” Operational Efficacy questionnaire for 2020 were presented, with participation comparable to the previous year. Respondents were generally satisfied with the SADIS service. The following were agreed:

Action agreed 15/02: Annual statement of operational efficacy of SADIS 2020/2021

That the Rapporteur of the METP-WG/MOG be invited to inform the Secretary of the SCRAG (who will pass this on to the Chair of the SCRAG) that the SADIS continued to meet the operational requirements during the period 2020/2021.

Status: Complete. This is included in Appendix A.

Action agreed 15/03: 2021 SADIS Efficacy Survey

That the web hosted SADIS Efficacy questionnaire, using the questions shown in Appendix D to this [the METP-WG/MOG15] report, be used for the 2021 survey which will commence on 1 July 2021 and end on 31 December 2021.

Status: Survey is in progress.

- 2.5 Documentation relating to SADIS was reviewed and updated and reflected the changes made in November 2020 to add high resolution WAFS gridded data sets and IWXXM data sets to SADIS. The following actions were agreed:

Action agreed 15/08: SADIS Agreement Annex I and II 2021-2022

That, the Rapporteur of the METP-WG/MOG be invited to forward the updated SADIS Agreement Annex I and II inventory given in appendix F to the Secretary of SCRAG.

Status: Complete. This is provided in WP11 and WP3 at SCRAG22.

Action agreed 15/04: Status of Implementation of SADIS

That the ICAO Secretariat be invited to publish the updated Status of Implementation of SADIS document, as shown in Appendix E to this [the METP-WG/MOG15] report, on the ICAO website (<https://www.icao.int/airnavigation/METP/Pages/Public-Documents.aspx>), replacing the previous copy.

Status: Complete.

Action agreed 15/07: SADIS Software Evaluation Criteria and Workstation User Evaluation Guide

That;

- a) the “Software Evaluation Criteria”, as contained in SN/08 Attachment A, and the “SADIS Workstation User Evaluation Guide”, as contained in SN/08 Attachment B is approved by the group
- b) once finalised, both documents will be passed to the Secretary for publication on the ICAO website (<https://www.icao.int/airnavigation/METP/Pages/Public-Documents.aspx>);
- c) the SADIS manager will arrange for them to be published on the Met Office Website and in the “documentation” section on SADIS.

Status: Complete.

Action Agreed 15/09: WAFS GRIB2 Specification

That the ICAO Secretariat be invited to publish the GRIB documents once finalised (as contained in SN11 Attachment 1 and 2), on <https://www.icao.int/airnavigation/METP/Pages/Public-Documents.aspx>, replacing the previous versions.

Complete

Action agreed 15/01 — Terms of Reference

That;

- a) the METP-WG/MOG meeting accepts the proposed updates to the Terms of Reference as shown in Appendix B; and
- b) the ICAO Secretariat make available the updated Terms of Reference document onto the ICAO public website (<https://www.icao.int/airnavigation/METP/Pages/Public-Documents.aspx>), replacing the previous copy.
- c) the finalised Terms of Reference are presented as an information paper at METP/5

Complete

Action agreed 15/10 — Update of Job Card 008.03

- a) That the METP-WG/MOG meeting accepts the proposed updates to Job Card 8 as shown in Appendix G to this report; and
- b) That the METP-WG/MOG recommend these changes to METP/5.

Complete

2.3 In addition to the topics described above, updates on plans for the next generation SADIS system were presented. The new system will be SWIM¹ compliant and will provide data via API² for all WAFS data sets (gridded and SIGWX) as well as IWXXM format OPMET data.

3. CONCLUSION

- 3.1 A number of important proposals were considered by the METP WG-MOG/15 meeting, and this Working Paper appraises the SCRAG of those recommendations.

4. ACTION

- 4.1 SCRAG/22 is requested to note the information contained in this Working Paper.

¹ And will comply to the Eurocontrol Yellow Profile <https://www.eurocontrol.int/sites/default/files/2020-07/eurocontrol-swim-spec-tiyp-1-1.pdf>

² <https://n.wikipedia.org/wiki/API>

Appendix A

Annual statement of operational efficacy of SADIS 2020/2021



Dutton, Jonathan P

To: Zorbas, Joanna

Cc: Shorey, Karen

Reply

Reply All

Forward

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Mon 08/11/2021 10:48

To: Secretary of SCRAG
FAO: Chair of SCRAG
From: MOG Rapporteur

Dear Joanna,

Subject: Annual statement of operational efficacy of SADIS 2020/2021

I wish to inform you that the fifteenth meeting of the Meteorological Operations Group to the Meteorological Panel (METP WG-MOG/15 held 15 April 2021 via web conference), in Action 15/02, invited me to inform you that the operational efficacy of SADIS had continued to be satisfactory, meeting all operational requirements since the METP WG-MOG/14 Meeting (held 25 April 2020 via web conference).

Best regards,

Jonathan Dutton

Jonathan Dutton, METP MOG Rapporteur
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