

DMG43 Notes

05-07.11.2024

The DMG43 was held from 5th to 7th November 2024 as an on-line meeting. The meeting was attended by the following members:

Mr. Sid Ali Hamadouche	Algeria
Mr. Walid Chikhi	Algeria
Mr. Michael Pichler	Austria (vice-Chairman)
Mr. Wim Demol	Belgium (Chairman)
Mr. Dirk Zinkhan	Germany
Mr. Benjamin Revel	France
Mr. Laurentiu Brojboiu	Romania (Secretary)
Mrs. Alfiia Iafunyaeva	Russian Federation (on-line participation)
Mr. Vladimir Tsukanov	Russian Federation (on-line participation)
Mr. Diego Cubero Jiménez	Spain
Mr. Matthew Wagner	United Kingdom & SADIS
Ms. Nino Gelovani	ICAO EUR/NAT
Ms. Natalia Savvina	ICAO EUR/NAT

The meeting started on Tuesday 5th June 09:30 CET. The agenda of the meeting was presented in WP01 for adoption:

1. Approval of the Agenda

- WP01 – Agenda (Chair)

2. Approval of the DMG/41 report & Actions from previous meetings

Draft Report DMG/42 actions list

- Status of the actions resulting from DMG/42 (DMG Sec)

3. Information from other groups

- ICAO EUR/NAT parent groups (EASPG, PCG, METG):
 - WP02 - DMG related items from METG34 (Wim)
 - WP14 – METG34 outcomes (Nino)
- ICAO EUR/NAT other groups (AST TF, AST TF/PG, VOLCEX, PT/EAST,...):
 - VOLCEX24 preparatory workshop (Nino)
- ICAO Global Groups (WG-MIE, WG-MOG/SADIS, IMP, METP,...):
 - WP10 – IWXXM Extensions Repository (Benjamin)
 - (WP/IPxx – Update on WG MIE activities (Matt, Dirk))
 - (MIE12-SN3104_Map Projections)
- WMO groups of DMG interest (TT AvData,...):
 - IP03 – update on TT-AvData activities & compatibility of IWXXM versions (Dirk)
- EASA & EU:
 - IP01 – Latest news from SDM (Michael)
 - PPT01 – EASA MET-EG activities (Wim)

4. IWXXM action plan

Subjects covered under this agenda item are:

- Consider development of implementation table based on information from METNO
 - [WP/IPxx -](#)
- Actions and coordination to maintain the regional implementation plan Volume III, Table ASBU-EUR-B1-AMET
 - [WP/IPxx -](#)
- Monitor status of translation agreements for IWXXM
 - [WP/IPxx -](#)
- Coordination of interregional IWXXM-data exchange
 - [IP02 – Pretoria-Toulouse IROG coordination \(Benjamin\)](#)

5. OPMET Data Monitoring results, action plans & PHP

Subjects covered under this agenda item are:

- Regular monitoring of OPMET data (EUR DMG-monitoring, EUR Warning Monitoring,...)
 - [WP05: EUR Warning Monitoring Results-Review \(Michael\)](#)
- Special monitoring of OPMET data (TC-SIGMET, SWXA,...)
 - [WP06 – APAC SIGMET Monitoring \(Michael\)](#)
- Review of open PHP actions or action plans for AOP aerodrome OPMET data
 - [WP11 – PHP report \(Diego\)](#)
- IWXXM-Monitoring
- Maintain and update the “EUR RODEX OPMET and SADIS Catalogue”

6. Performance indices & Volume III – MET OPMET implementation

Subjects covered under this agenda item are:

- Review PIs calculated from latest OPMET monitoring for availability and timeliness of OPMET data in order to
 - Prepare an update proposal for eANP Vol III
 - Prepare detailed information for States failed to comply with defined thresholds
 - Assist States that failed to comply in solving the issues
- Possible development of an online-tool to be used by MET service providers to review results

7. RODEX

Subjects covered under this agenda item are:

- New RODEX Back-up procedures/contingency arrangements
 - [WP12 – RODEX backup \(Michael\)](#)
- Shortcomings of the RODEX-schema (network limitations, outages,...)
 - [WP04 - International vs bilateral data exchange \(Michael\)](#)
 - [WP08 - Solutions for SADIS behaviour \(Michael\)](#)
 - [IP04 – Update on the status of the use of the AFS in the AoR of ROC Moscow \(ROC Moscow\)](#)
- Coordination with other regions (AMHS I/R-gateways and link)

8. Revised RODC tool

The following ideas have been collected for an RODC-tool:

- Develop an online form for requesting changes to OPMET bulletins and/or contents of OPMET bulletin and allowing increased automation of the METNO procedure.
 - [WP13 - RODC_METNO_presentation_webx_SW \(Walid / Sid Ali\)](#)

- Provide information on available/required data (based on DMG monitoring and METNO procedure) in different, reasonable presentation/views
- Provide PI (Performance Indices) via RODC including details enabling States to identify the issues in case of low percentages

9. EUR Documents (outside IWXXM elements)

- Doc 014 - EUR SIGMET & AIRMET Guide
- Doc 018 - EUR OPMET data Management Handbook
 - [WP09 - update proposal EUR Doc 018 \(Michael\)](#)
 - [WP07 - Interregional OPMET-Data Requests \(Michael\)](#)

10. SWIM

Subjects covered under this agenda item are:

- Follow SWIM developments from WG/MIE, SESAR DM and other relevant groups and assist in deriving an implementation plan in the EUR region for SWIM
- Develop a EUR SWIM Plan with possible roles/functions of ROCs and RODBs, including dedicated SWIM-services
 - [WP03 – CONOPS-Transition_AFS2SWIM \(Michael\)](#)

11. Next meetings

DMG/44: 18-20 March 2025, Paris
 DMG/45: 11-13 June 2025, Toulouse
 DMG/46: 04-06 November 2025, Virtual
 DMG/47: TBD March 2026, Algeria

12. Any Other Business

(e.g. future retirement(s) and/or job change(s) and transfer of relevant duties)

[Agenda Item 1 - Approval of the Agenda](#)

A tour-de-table took place for introducing the DMG participants.

[Agenda Item 2 - Approval of the DMG/42 report & Actions from previous meetings](#)

The DMG members were presented the report of DMG42 meeting. After review and clarifications, the report was approved by the group.

Actions from previous meetings
(actions highlighted are considered completed)

Id	Action	Responsible	Target date	Resolution / Comments
	DMG37			
DMG37-7-2	Address to a higher-level the issue regarding SIGMETs issuance and dissemination for the 4 FIRs of Turkmenistan	ICAO		Nino informed during the DMG43 meeting that an official letter was received by ICAO for the Amendment of MET Table, so the problem may be solved now.
	DMG40			
DMG40-3-3	Try to establish a teleconference with SAM Office and Jun to obtain contact persons in the SAM region for setting up the IWXXM exchange.	N. Gelovani M. Wagner	Nov-Dec 2024	Nino - meeting with SAM region representative (Jorge Amura) in November.
	DMG41			
DMG41-5-1	Check the monitoring results and investigate on the problems recorded for AFI Region data. Michael and Matt will support with providing the results of a one-day monitoring, for comparison and identifying the problems. The exact date will be agreed by the three participants	Benjamin		Closed. Check for Feb 2025 monitoring and open new action if needed
DMG41-12-1	Provide results of faulty SIGMETs to IROGs London and Toulouse to address those through their counterparts in the respective regions	M. Pichler M. Wagner B. Revel	DMG42	Closed.
	DMG42			

DMG42-4-1	Check for the METAR/TAF data in IWXXM from CAR States under the French authority.	Benjamin	DMG43	All AMHS connections will be ready until next March, update at DMG44
DMG42-4-2	Prepare the WP on IWXXM statistics for presentation to METG34	Michael	METG34	Completed
DMG42-4-3	Prepare the WP on SADI behaviour for IWXXM for presentation to METG34	Michael	METG34	Completed. WP08
DMG42-5-1	Investigate the updated warning monitoring results and take the appropriate actions	ROCs	DMG43	
DMG42-5-2	The DMG report to METG should include information that States to update the warning monitoring focal point, where needed	Wim/Michael	METG35	
DMG42-5-3	Contact Kyrgyzstan for confirmation on the ARS headers used. If necessary, METNO + update of the EUR ARS headers list	Russian Federation	DMG43	Completed, will be included in the next METNO
DMG42-5-4	Verify the tickets against the latest monitoring results to see whether the problems are solved or additional action need to be taken	Problem handlers	DMG43	PHP Report
DMG42-5-5	Tickets having status “Closed” to be put in “Final closed”	Problem handlers	DMG43	Closed. 3 tickets put to final closed
DMG42-5-6	Provide access to the ticketing application (credentials) for the Algerian representative(s)	Wim	DMG43	Completed
DMG42-5-7	Include in the DMG report for METG34 a brief description of the process for deriving the catalogue published by DMG	Wim	METG34	Done
DMG42-7-1	Check with POC from Dakar and Pretoria if they use SADIS for receiving data from other regions	Benjamin	DMG43	IP02. Keep it open for Pretoria.
DMG42-7-2	Check whether NAM sends data to AFI, and whether Dakar or Pretoria (or both) send AFI data to Washington	Benjamin Matt	DMG43	

DMG42-9-1	Review par. 3.3 AFS Addressing of App. E to Doc. 018 with respect to what is useful for both DMG members and the users	DMG	METG34	Doc 018 updated
DMG42-9-2	Present CONOPS AFS2SWIM to METG34	Michael	METG34	Completed
DMG42-6-1	Provide the details on the KPI for METAR and TAF availability to Algeria, in order to investigate on the possible cause	Wim Sid Ali Walid	DMG43	Completed
DMG42-6-2	Provide the updated KPIs for AMET B0	Wim	METG34	Completed
DMG42-6-3	Provide the updated KPIs for AMET B1	Michael	METG34	Completed
DMG42-6-4	Check the availability of the Special AIREPs and provide the corresponding headers to Natalia. If needed, a METNO shall be issued	Sid Ali Walid	DMG43	To be completed by the end of the meeting.
DMG42-11-1	DMG members to provide input for the DMG Report for METG34, for those sections they are responsible for.	DMG	August 2024	Completed

Agenda Item 3 - Information from other groups

METG34

WP 14 - METG34 Outcomes

Nino Gelovani presented to the group the outcomes of the METG34 meeting (17-20 Sep 2024), with particular highlight on the topics related to the DMG activities. In particular, were noted the Decisions related to the publishing of the revised EUR OPMET Data Management Handbook (EUR Doc 018) and the Update the EUR ANP Volume III and the Updated Work Programme of DMG.

WP02 - DMG Related Items from METG34

Moreover, Wim pointed to the group the following actions for DMG resulted from METG34:

- continue updating Doc 18 and providing both clean and track-changes versions
- restart/continue the RODC developments
- consolidate feedback from States for which SIGMET coding issues were reported
- SADIS Manager, ROC London and ROC Vienna to work on SADIS behaviour
- provide support to the WG MIE members for AFS to SWM transition

MIE

Matt presented to the DMG a proposal of WG MIE that will be presented at METP6 meeting, regarding the activities and the associated roadmap (among others, the removal of TAC from Annex 3 in 2030). It was noted that most of the activities were shifted to the right. Cessation of OPMET distribution via ROCs, IROGs, RODBs is proposed to be delayed till ASBU block 3 (2031-2026). Also, there was noted the good progress in implementing SWIM in the EUR Region compared to the other regions.

VOLCEX

The VOLCEX24 will simulate a volcanic ash eruption of Santa Barbara (Portugal)) - 19.11.2024. Preparatory Workshop in Lisbon (October 2024). No specific action was requested from DMG.

PTEAST

The PT/EAST 22 Meeting is planned for 25-27.11.2024. An invitation was addressed to DMG for participation and M. Pichler will participate on-line. After the agenda of the meeting becomes available, Michael will co-ordinate for the necessary time slot allocation for his intervention.

The group discussed on the WMO headers allocated for the VONA messages - TT=WM and respectively LM for IWXXM version. Question was raised whether there is a need to distribute these messages globally or regionally, for instance using the RODEX exchange schema. It was agreed that further guidance is needed and Matt will provide additional info after discussion with Karen Shorey.

WP10 – IWXXM Extensions

Following an MIE activity, Benjamin presented to the group a proposal for the publishing on the DMG website of a page consisting of a global repository of the IWXXM extensions. Michael presented to the group what could be implemented, taking into account the current possibilities and the restrictions related to cyber security:

- a simple page could be added to the DMG-website for the IWXXM extension inventory
- The page will display basic information in regard to the extensions and the content of the page
- The page will provide the information on extensions in a tabular form, consisting of the following columns:
 - Name of the extension
 - Version number
 - Description of content of the extension (ideally as a PDF which can be downloaded)

- URL to a webpage of the originator of the extension where the schema can be found (UML-diagram, XSD files, samples,...)
 - Related IWXXM-schema (e.g. METAR/SPECI)
 - Related version of that schema (e.g. 3.1, 2021-2, 2023-1,...)
- There is no possibility for direct access to apply updates. Any updates to the database have to be coordinated with Michael and will be implemented as soon as possible, depending on available resources.

Action DMG43-3-1: Benjamin will present to MIE this proposal for hosting the IWXXM extensions repository on the DMG website.

TT-AvData

Dirk updated the DMG members on the activities of TT-AvData. The IWXXM release 2025-2 had been issued in April this year as a RC and was open for public consultation. The changes / release notes were briefly went through and it is expected the final version be released at the beginning of next year.

Regarding the development of the IWXXM schemas for Aerodrome MET Observation and Forecast, Dirk informed that a small group of experts is working on those (not as an official WMO activity) and it is expected that the handover to TT-AvData to be in mid 2025 (after METP-6). It was recalled that further details can be found on github (<https://github.com/team-sx/iwxxm-sx>)

Further, the group was informed on the Activity 1.8 of MIE, for developing the specifications on the use of projections with IWXXM. The current practice of linear interpolation was questionable and the usage of geodesic interpolation (where possible) is proposed instead. A study note with all the details was available, and Dirk could share it with anyone who is interested.

IP01 – Latest news from SDM

Regarding the SESAR Deployment Programme, Michael informed that the system requirements were decided to be kept in the main document, which is expected to be confirmed by the commission beginning of 2025. Nevertheless, it can be used as official guidance material.

MET3SG/5 presented the outcome of the different task teams that were previously set-up: Service Implementation Roadmap, Service Architecture, Number of Services, QVA Service Definition. An additional task team is intended to be started, to work on the use cases for the basic and enhanced services.

Michael informed the group on the discussions that took place within the MET3SG Task Team for Common Broker. Similar activity was started at MIE level. The current requirements of Annex 3 related to briefing, consultation and flight documentation would imply that all MET service providers have access to all the data available. In this context, it was raised the possible use of the WMO WIS-2 system, but the many differences between the aviation systems of ICAO and the systems of WMO would not make it possible, either. Indication on the possible use of the common broker is also expected from the task team on use cases. This task team of MET3SG had already a number of three meetings and at this stage, it focuses on collecting information about how data is visualised today and whether there are any requirements for a common approach for visualisation.

EASA MET ET Activities

Wim presented to the group an overview of the activities of the MET Expert Group (MET-EG) of EASA, starting with a background information prior to the establishment of the group and continuing with the presentation its composition, objectives and activities. So far, the group had already had three meetings, one of the main goals being to make proposals for the improvement of Regulation 2017/373.

Agenda Item 4 – IWXXM Action Plan

Consider development of implementation table based on information from METNO

Wim raised to the group the question if there is still the need to have the IWXXM bulletins aligned with their TAC correspondents. During discussions, it was highlighted that this would not be the case, if it will be implemented the distribution of one report per bulletin (i.e. to stop the aggregation) for IWXXM data. Several benefits were mentioned, like the possibility to address the issue with the SADIS API behaviour, or avoiding the aggregation of US data into huge bulletins. As for the necessary efforts to implement that, it was mentioned that the routing could easily be adapted, for systems that do the routing by TTAAii only (and not CCCC). Also, the fact that currently there is no operational use of IWXXM data would facilitate this transition. DMG members considered useful to inform the States on this possibility, and as such it was decided that a paper be presented at next METG. Matt informed that he has a draft paper prepared for MIE and this could be used as a start.

Action DMG43-4-1: Michael, Matt and Wim will prepare a paper for the next DMG to define the idea of stopping the aggregation of IWXXM data and the usage of bulletins consisting of single location, highlighting the advantages of such a solution and propose a State Letter for distribution by ICAO.

Volume III Updates

Regarding the IWXXM implementation updates of the EANP vol. III, it was agreed that instead of performing another survey, the ROC centres to coordinate directly with the NOCs that use translation, in order to get the updated information. Also, Michael intends to make a restructuring of the information presented on the DMG website.

IP02 - Pretoria-Toulouse IROG coordination

Benjamin informed the group that during a MIE meeting he had a chance to meet Albert Moloto – technical officer of ICAO AFI Region and addressed some of the outstanding issues. Related to the non-EUR data routed to Pretoria and Dakar by ROC Toulouse, it was mentioned that in Pretoria they use the terrestrial lines as the main source and SADIS as a back-up. Benjamin pointed that the current way of distributing all data by ROC Toulouse was included in AMBEX schema. The group agreed that the normal solution would be to ensure that the data is received by Pretoria and Dakar from the corresponding IROGs and keep SADIS as a backup for outages of this links. In this respect, Benjamin had already submitted to Pretoria the list of non-EUR data currently distributed by ROC Toulouse, in order to check the availability of these from other sources, but no response received yet. Secondly, Matt will check with Washington whether the distribution of the corresponding data can be done by them. The same way, Michael will check with Jeddah. Finally, when data availability is ensured in Pretoria, the distribution by ROC Toulouse may stop.

Action DMG43-4-2: Benjamin to provide the list of non-EUR data distributed to Pretoria. ROCs to investigate the possibility to have data distributed by the responsible IROGs and not Toulouse.

Regarding the IWXXM data from AFI region, Benjamin was informed that translation service is available in Pretoria and the data may be made available to ROC Toulouse via GTS links. The DMG members discussed on the availability of an AMHS connection between South Africa and Europe. It was agreed to first check and put efforts into establishing of such a link, in order to ensure the proper distribution of IWXXM via AMHS to ROC Toulouse and further to the other ROCs. Based on the results, at DMG 44 will be discussed again whether to use Internet/GTS as a temporary way of getting the IWXXM AFI data, in order to increase the availability of IWXXM to the EUR region.

Benjamin will check if there is a connection between the Message Switch and the COM Centre in Pretoria, and if the IWXXM data could be transferred to ROC Toulouse via AMHS only.

The last point of the paper was on the existing PHP tickets. Some of the tickets opened for the unavailability of data from the AFI Region were spotted to be for data that was usually received very rare (sometimes only 4 messages/day) and, as such, may be missing during the monitoring period. For those tickets, it was agreed to check over a longer period whether the corresponding data had been received and if affirmative, check that the routing to the other ROCs is in place and the tickets may be closed.

Action DMG43-4-3: Benjamin to check the reception and routing of AFI data mentioned in the PHP tickets and close those tickets.

Regarding the distribution of VONA messages, the group proposed that, until indication on this is found in the ICAO documentation, the messages be distributed the same way as the VA advisories or SWX advisories.

Agenda Item 5 OPMET Data Monitoring results, action plans & PHP

WP05 EUR Warning Monitoring - update

ROC Toulouse – missing bulletins are probably the result of the monitoring tool, will be verified during Feb 2025 monitoring. New Special AIREP headers from Kyrgyzstan – new METNO will be issued to announce those, and the headers were already made available to Natalia to update the list on the ICAO website. The notification messages for the backup procedure will also be sent during the Feb2025 monitoring (Michael will include info in the exercise announcement).

WP06 APAC Monitoring

The monitoring is split in 3 weeks (TC, VA and respectively normal SIGMETs). VAAC Toulouse already confirmed the participation. Based on the results, Michael will prepare a paper for DMG44 and to APAC to inform on the findings.

Action DMG43-5-1: ROCs, RODB Brussels and LROM (as SADIS FTP user) will participate in the Warning Monitoring exercise of APAC, for both TAC and IWXXM data, and provide the results to Michael, who will present the summary to DMG44 and to APAC.

Regarding the EUR Feb2025 Monitoring, Wim pointed that it would be the first exercise without the presence of Herman and, as such, would be appreciated to have the results sent to the DMG FP as soon as possible after the monitoring. Moreover, in order to check the compliance with the format specified in Doc 018, the participants were asked that samples of the test results be sent in advance to the DMG FP. In this respect, the group agreed that some results be captured for normal OPMET (METAR, TAF, etc) during the first day of the APAC monitoring (13th November) by all the monitoring centres.

Action DMG43-5-2: The monitoring centres will capture the monitoring results over one day period and send those to DMG FP.

Also, the updated MET II-2 table will be provided by Nino in December or January 2025, together with Doc 7910.

WP 11 PHP Report

Diego presented to the group the status of the PHP service at 30th Sep 2024. Regarding the closed tickets, Matt informed that two were already changed to Final Closed and the third one will be done by the end of the meeting.

Action DMG43-5-3: All logged tickets should be set to WAIT before DMG 44.

Regarding the remark that no new tickets were opened in 2024, Matt informed that the one identified after Feb 2024 monitoring were recursive and have been attached to the existing tickets.

IWXXM Monitoring

The group was recalled that at the previous meeting Michael presented statistics on availability, version used and indication whether translated. Apart from those there was a question by METG related to the reasons for messages being rejected, but Michael pointed that such statistics can not be automated and

need manual processing. For the next METG there will be an update of the same statistics (NAT – Iceland to be included !).

Maintenance of EUR RODEX Catalogue

Previously, the catalogue was updated on a monthly basis. Michael proposal to switch to half-yearly, plus any update required by major changes, was agreed by the DMG members. Regarding the format of the data to update the database for publishing on the DMG website, it was agreed that an example of the two formats be made available to Michael to work on those, depending on his availability.

Action DMG43-5-4 : After the next METNO, Wim will provide to Michael the catalogue data in two formats (dbf and csv).

Agenda Item 6 Performance indices & Volume III – MET OPMET implementation

The group reviewed the status for the States that failed to comply with the thresholds in vol. III.

For Cyprus: Nino informed that an official letter was received from Cyprus. The MET II-2 tables need to be updated to reflect the current schedule for the Larnaca airport (change from full-time to partial).

Malta: Solved

Algeria: The Algerian representatives informed that following the investigations it was discovered that the current procedure may lead to occasional loss of data. A new procedure will be implemented to repeat the data in case of outages. Benjamin confirmed that for such cases, duplication would not be a problem and could be handled by ROC Toulouse. The results following this procedure will be checked with the next monitoring exercise.

Agenda Item 7 RODEX

WP12 RODEX Backup

Michael informed the DMG that, following an event when ROC Moscow had experienced communication problems with the COM Centre Moscow, a procedure was quickly adopted to ensure the exchange of data between ROC Moscow and ROC Vienna, by accessing the SFTP server of ROC Moscow. Although the RODEX backup procedure addresses only situations when the ROC centres become unavailable, and not the COM centres (that being a major outage that affects a significantly large segment of aviation stakeholders and being addressed at another level), the usage of the SFTP connection (which was already existing based on the responsibilities as WMO RTH) proved to be efficient in such a case.

In trying to find how this procedure could really be used within the RODEX backup, and taking into account the current provisions of the procedure, several questions have appeared regarding the current implementation stage by all ROCs:

- Have the COM centres configured the AMHS addresses that need to distribute data to during a ROC outage?
- Are the dedicated NO messages set-up ?
- Is already in place that a ROC takes over the responsibility to supply the centers in the AoR of the failing ROC?
- Are the routing tables exchanged regularly, for updating the distribution list in case of ROC outage?

There was presumed that the answer to these questions was generally NO, and the procedure itself was mainly a paper procedure, described in Doc 018. In order to gather information and decide how to proceed further with its implementation, the following actions were decided:

Action DMG43-7-1: ROC London and ROC Toulouse will present a paper at DMG44 related to the current stage of implementation of the backup procedure for the two centres.

A similar paper will be presented by the ROCs Vienna and Moscow. The WP12 addressed also a proposal coming from ROC Moscow, that implied the exchange of all the data between the ROCs on a regular basis, and not only the data coming from their AoR. This will be practically an active backup, and would exclude the need for exchanging and updating the routing tables, but it was considered a radical change to the current design of the backup procedure and the other ROCs expressed their doubts about the feasibility of such a procedure. In order to take a decision on that, the paper for DMG44 would also describe in a greater detail this proposal, highlighting its potential advantages and pointing what are the actual problems that is addressing.

Action DMG43-7-2: ROC Moscow and ROC Vienna will present a paper at DMG44 to present the current stage of implementation of the RODEX backup procedure, and to present details regarding the proposal for exchanging all data between the ROCs on a regular basis.

The group also questioned how the presented SFTP connection would fit into the RODEX backup procedure, taking into account that in the aviation world the exchange need to be done via AFS. There was appreciated that we are currently in kind of a “grey zone”, as the SFTP / Internet is already used for the exchange of data with centres that do not have AFTN/AMHS capabilities.

WP04 International vs. Bi-lateral exchange

Michael presented to the group the situation with a bulletin originated by Italy. Benjamin had raised the question about how to proceed with a bulletin like SAIY50, which was not registered via METNO and contains both required and not-required airports. Currently, the bulletin is still distributed by ROC Toulouse to the other ROCs, but the question was how to proceed with such bulletins in the future. Michael presented to the group the recommendations that DMG constantly address through METG, like for instance: duplication need to be avoided, bulletins ii>39 be distributed on a bi-lateral exchange only, registration of bulletins, registration of location indicators in 7910, etc.

In analysing the situation with the mentioned bulletin, there were used three working tables previously derived by Herman. Wim mentioned, though, that Skeyes could not provide anymore these tables. As previously announced during DMG meetings, there will be other three tables to be produced after each monitoring exercise: The KPI table, the Catalogue and the Table summarizing the reception of messages by the monitoring centres.

For similar situations, it was agreed that it should be treated case by case, the normal way to proceed would be for each ROC to ask the NOCs in their AoR whether those messages are needed and, if affirmative, to arrange for the direct distribution from the originator, on a bi-lateral basis. Only after that, the distribution could be stopped by the ROC(s).

Regarding the distribution of bulletins of data with ii outside the 30s, there was agreed that there is no intention to do that for the non-European data. For the EUR data, most probably the contained messages are already distributed within other bulletins in the 30s, and therefore the following action could be derived:

Action DMG43-7-3: The ROCs will check what bulletins outside 30s are coming from their AoR and inform the originators on the intention to stop their distribution.

The distribution will not be stopped until the investigation is finished, in any case. The information gathered will be discussed at the next DMG meeting.

WP08 SADIS Behaviour

Michael recalled to the group the problem that was already presented at the previous DMG meeting, regarding the SADIS behaviour for renaming the IWXXM bulletins. At METG34, UK (ROC London and SADIS) on one side and DMG on other side presented possible solutions. Of those, none was really identified as ideal and applicable directly, as these may have other impact on the current operations and procedures. One particular mention was that the signaled behaviour was not only valid for IWXXM data

(on both SADIS FTP and SADIS API), but also for the TAC data distributed on SADIS API. This will become a real problem once the SADIS API will start to be operationally used and most certain after the cessation of the SADIS FTP.

Matt informed that he will have a discussion with Karen Shorey during the next days and will try to urge the SADIS provider to come with a good solution for this problem. Also, as the question was raised during the meeting, he will try to find out if this behaviour is also implemented by WIFS.

IP04 Information from ROC Moscow

The representatives of the Russian Federation updated the group on the current status at ROC Moscow. GISC/ROC Moscow will be disconnected from RMDCN at the end of this year. As such, AMHS becomes the only guaranteed way for ROC Moscow to exchange aviation meteorological information.

The group was also recalled the SFTP backup solution with ROC Vienna, presented earlier during the meeting.

Then, the group was informed on the status of the transition to IWXXM/AMHS in the NOCs in the AoR of ROC Moscow.

Finally, the group was presented the results of the action DMG42-5-3. Official letter was received from Kyrgyzhydromet informing on the starting of issuance of Special AIREPs with the following headers: UAKY61 UCFM and UAKY61 UCFO, while for Volcanic Ash Special AIREP the headings will be UAKY71 UCFM and UAKY71 UCFO.

Agenda Item 8 Revised RODC tool

WP13 RODC Update and Future Plans

The representatives of Algeria, Sid Ali and Walid, presented the progress made in the RODC application and the automation function of METNO hosted in Météo-Algérie. First, there were presented the modifications to the previous form for the introduction of EUR OPMET changes via the METNO procedure. Significant improvements were added to the functionalities offered in the previous version.

Then, the planned functionalities were enumerated and briefly described, together with their possible prioritization.

Regarding the provision of the METNO table to Skeyes, Wim informed that due to the security measures in place, the ingestion of the table can not be automated and needs to be manually performed. In order to make this process as smooth as possible, the corresponding format of the table will be provided to Météo Algérie in order to configure the RODC application for using it.

Action DMG43-8-1: Wim will provide to Sid Ali and Walid the format of the METNO table needed for ingestion into the database at Skeyes.

Finally, there were asked clarifications on the necessary checks that need to be done for each action. The group noted that no such a formal list exists at this moment. Instead, such information could be extracted from the previous experience. For this, depending on the available resources, Wim will try to compile such a listing based on the previous experience with the procedure carried on by Herman. Also, the current and future examples can be useful. For instance, the previously discussed subject with the Italian bulletin SAIY50 could be used as an example.

Action DMG43-8-2: Wim will initiate a list of possible checks to be performed at initiation of METNO changes, and will circulate that to the DMG members to append other checks.

The DMG members expressed their appreciation for the good progress with the application. Sid Ali informed that during the next months a test version will be ready and a live presentation will be made at the next DMG meeting. The test version would also be useful to test and derive the needed checks mentioned before.

Action DMG43-8-3: Sid Ali and Walid will do a live presentation of the RODC application at DMG 44.

Agenda Item 9 EUR Documents

WP09 - update proposal EUR Doc 018

Michael informed the group that a new working copy of Doc 018 has already been created on the DMG-Spaces site, (“Edition 14”) and all DMG-members are asked to use this version for any proposals, changes and correction.

Then, regarding the Message Validation Procedure, Michael presented a number of issues that need to be reviewed. The timers, for instance, were defined more than 10 years ago, but a discussion is needed between the ROCs to see if and how these are applied. A recent event with the distribution of old IWXXM data from China showed that the usage of these timers may prevent such situations. It was agreed that the timers need also to be used for the IWXXM data validation. Content checks however will not be applied for IWXXM messages, as this might lead to long lists of rejected data, that cannot be corrected.

When reviewing in detail the proposed changes, it was also agreed to remove some redundant information (like for instance the explanations related to the abbreviated header) and other information which did not fit well into this chapter (adherence to MOTNE, schema validation, etc).

For the TAC Message Correction Procedures, it was noted that most of the examples presented there were outdated and may describe situations which are not encountered anymore nowadays. In order to update accordingly this section the ROCs were asked whether they could extract information on the rejected / corrected messages from the logs / statistics. Based on those, the examples provided may be updated or deleted.

Action DMG43-9-1: ROCs in a position to do so will extract information on the corrected / rejected messages during the validation process and provide that information to Michael by DMG44, in order to prepare the Doc 018 for the June 2025 meeting, prior to present it at METG.

Action DMG43-9-2: DMG members will provide their comments/updates to Doc 18 on the DMG Spaces.

Regarding the inclusion of a chapter related to SWIM, it was considered premature to do that at this moment. It was decided to wait until more guidance is available at a global level from ICAO (METP). This remark will be included into the DMG report to METG.

WP07 - Interregional OPMET-Data Requests

Michael informed the group on a request from NOC Offenbach for data from APAC. The respective stations were not listed in the ANPs, so there was no requirement for their international exchange.

Michael recalled that Doc 018 contains a procedure for handling such a request. There was discussed on its actuality and whether could still be used for such requests in the future. The general agreement was that the procedure is applicable and in fact it really was used the last year for a request made by Belgium. Taking into account that such requests do not appear often and the necessary workload is not significant, Wim confirmed that the procedure should remain unchanged with regard to the handling by the DMG FP.

Action DMG43-9-3: Michael will send the list of OPMET data requested by NOC Offenbach to the DMG FP who will fill in the form and submit it to ICAO Paris.

For the future, there will be useful to have an editable format for the form itself, do be used in such cases.

It was also noted that the current procedure only deals with inter-regional exchange. For some requests, instead of including the data in bulletins exchanged inter-regionally, these may be include in bulletins with ii>39 and distributed on a bi-lateral agreement. In such a case, the data should not be distributed

through the IROGs, but directly to the user who requested it. In this respect, the current procedure need to be updated to include such info. @Michael - I don't think we specifically established an action and a responsible person for that, is that correct?

Agenda Item 10

SWIM

WP03 – CONOPS-Transition_AFS2SWIM

Michael brought to the attention of the group the paper already presented at DMG42 and also at METG34, highlighting the main topics that need to be developed in respect with the transition to SWIM.

The paper was also discussed at MIE meeting. The DMG members considered useful to also present this paper to the other ICAO regions, for example to the next meeting of the MID region. There will be mentioned that the current status of the paper is still a draft, but it may be really important for the other regions to be aware of the topics highlighted and have a global, coordinated understanding of all the issues. The terminology used need to be adopted in an uniform way by all the regions, otherwise there is a risk of different interpretation and different implementations of SWIM. It was also considered very important to have a global workshop on SWIM implementation. At European level, a seminar was scheduled for this year, but then it was postponed. There will be necessary to be raised again at MIE. Nino will also address this at ICAO.

Action DMG43-9-4: Nino will raise the question related to the global workshop on SWIM implementation, at the next coordination meeting with the regional officers from the other ICAO Regions and see what their opinions are, then inform DMG at the next meeting.

Action DMG43-9-5: All DMG members review the CONOPS document and provide comments or proposals for update.

Agenda Item 11

Next meetings

DMG/44: 18-20 March 2025, Paris
DMG/45: 11-13 June 2025, Toulouse
DMG/46: 04-06 November 2025, Virtual
DMG/47: 20-26 March 2026, Algeria

Agenda Item 12

Any Other Business

Matt raised the issue related to the format of the end of validity group in TAF messages, corresponding to midnight. While the WMO 386 requires the usage of 24, the ICAO Annex 15 require the usage of 00 of next day. The meeting recalled that the issue was also discussed at a previous METG meeting, with no specific conclusion. The recommendation from the DMG members was that the CORE MET be able to accept both formats.

List of actions resulted after DMG43 meeting

Id	Action	Responsible	Target date	Resolution / Comments
	DMG37			
DMG37-7-2	Address to a higher-level the issue regarding SIGMETs issuance and dissemination for the 4 FIRs of Turkmenistan	ICAO		Nino informed during the DMG43 meeting that an official letter was received by ICAO for the Amendment of MET Table, so the problem may be solved now.
	DMG40			
DMG40-3-3	Try to establish a teleconference with SAM Office and Jun to obtain contact persons in the SAM region for setting up the IWXXM exchange.	N. Gelovani M. Wagner	Nov-Dec 2024	Nino - meeting with SAM region representative (Jorge Amura) in November.
	DMG42			
DMG42-4-1	Check for the METAR/TAF data in IWXXM from CAR States under the French authority.	Benjamin	DMG43	All AMHS connections will be ready until next March, update at DMG44
DMG42-5-2	The DMG report to METG should include information that States to update the warning monitoring focal point, where needed	Wim/Michael	METG35	
DMG42-7-1	Check with POC from Dakar and Pretoria if they use SADIS for receiving data from other regions	Benjamin	DMG43	IP02. Keep it open for Pretoria.
DMG42-6-4	Check the availability of the Special AIREPs and provide the corresponding headers to Natalia. If needed, a METNO shall be issued	Sid Ali Walid	DMG43	To be completed by the end of the meeting.
	DMG43			
DMG43-3-1	Present to MIE the proposal for the IWXXM extensions repository on DMG website	Benjamin	MIE	

DMG43-4-1	Paper to define the idea of stopping the aggregation of IWXXM data and the usage of bulletins consisting of single location, highlighting the advantages of such a solution and propose a State Letter for distribution by ICAO	Michael Matt Wim	DMG44	
DMG43-4-2	Provide the list of non-EUR data distributed to Pretoria. ROCs to investigate the possibility to have data distributed by the responsible IROGs and not Toulouse	Benjamin ROCs	DMG44	
DMG43-4-3	Check the reception and routing of AFI data mentioned in the PHP tickets and close those tickets	Benjamin	DMG44	
DMG43-5-1	Participate in the APAC Warning Monitoring exercise and provide the results to Michael, who will present the summary to DMG44 and to APAC	ROCs RODB Brussels LROM	DMG44	
DMG43-5-2	Sample of one-day monitoring results for DMG FP	Monitoring centres	Dec. 2024	
DMG43-5-3	All logged tickets be set to WAIT (PHP)		DMG44	
DMG43-5-4	Provide the catalogue in both csv and dbf formats to Michael	Wim	De. 2024	
DMG43-7-1	Paper with current status of implementation for the backup procedure	ROC London ROC Toulouse	DMG44	
DMG43-7-2	Paper with updated status of implementation for the backup procedure + backup proposal of ROC Moscow	ROC Vienna ROC Moscow	DMG44	
DMG43-7-3	Check the bulletins with ii>39 from their AoR	ROCs	DMG44	
DMG43-8-1	Provide the format of the table needed for ingestion into the database of Skeyes	Wim	DMG44	

DMG43-8-2	Compilation of a list of checks needed for different actions on METNO changes	Wim + DMG members	DMG44	
DMG43-8-3	Live presentation of the RODC application	Sid Ali Walid	DMG44	
DMG43-9-1	Extract information on the rejected/corrected messages during the validation process	ROCs	DMG44	
DMG43-9-2	Provide comments/updates to Doc 018 directly on the DMG Spaces	DMG members	DMG44	
DMG43-9-3	Request needed data for NOC Offenbach using the request procedure	Michael Wim Nino	DMG44	
DMG43-9-4	Raise the question regarding the global workshop on SWIM implementation during the coordination meeting	Nino	Dec. 2024	
DMG43-9-5	Review the CONOPS document and provide comments / proposals for update	DMG members	DMG44	