DMG40 Notes

The DMG40 was held from 17th to 19th October 2023, virtually. The meeting was attended by the following members:

Mr. Mohamed Mezred	Algeria
Mr. Michael Pichler	Austria (vice-Chairman)
Mr. Herman Swinnen	Belgium
Mr. Michel Vangeel	Belgium
Mr. Wim Demol	Belgium (Chairman)
Mr. Dirk Zinkhan	Germany
Mr. Laurentiu Brojboiu	Romania (Secretary)
Mrs. Olga Petrova	Russian Federation
Mr. Diego Cubero Jiménez	Spain
Mr. Matthew Wagner	United Kingdom & SADIS
Mr. Christopher Keohan	ICAO Paris

The meeting started on Tuesday 17th October 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 39 report & Actions from previous meetings**

Draft Report DMG39 actions list

Status of the actions resulting from DMG/39 (DMG Sec)

3.   **Information from other groups**
      ICAO

EUR:

From Parent groups: EASPG, PCG, METG

WP03 – DMG related actions from METG33 (Wim)

PPT – METG33 outcomes (Chris)

From other groups: AST TF, AST TF/PG, VOLCEX, PT/EAST

Global Groups

  WG-MIE, WG-MOG/SADIS, IMP, METP

Update on WG MIE activities (Matt)

WMO, TT AvData

Presentation on TT-AvData activities (Dirk)

EASA & EU

IP01 – Latest news from SDM and MET3SG (Michael)

4.   **IWXXM action plan**

Consider development of implementation table based on information from METNO.

IWXXM Actions and coordination

- Maintain the regional implementation plan

Status of IWXXM implementation in the EUR region

- Status of translation center agreements for IWXXM
- IWXXM I/R coordination

5.   OPMET Data Monitoring results, action plans & PHP

Monitoring of OPMET data,

WP05 – OPMET monitoring work book (Wim)

PHP actions or action plans for AOP aerodrome OPMET data

WP11 – PHP Report (Matt)

Systematically wrong formatted/coded OPMET data

TC SIGMET

SWXA

IWXXM monitoring

WP06 – Skeyes_iwxxm_monitoring tool (Michel/Wim)

IP02 – ROC Vienna IWXXM monitoring

PHP: IWXXM errors categories in PHP

Maintain and update a Database for agreed exchanged non AOP airports OPMET data

6.   Performance indices & Volume III – MET OPMET implementation

Implement Performance Indices for including availability and timeliness of OPMET data for AOP aerodromes and FIR/UIR on AFTN/AMHS and SADIS as per eANP Vol III;

State Performance monitoring leading possibly to a deficiency

Assist MET Service providers in the EUR region, by implementing the appropriate tools to present indices about timeliness and availability

7.   RODEX

ROC Back-up procedures/ contingency arrangements

New back-up schema: schedule, testing, remaining actions

WP04 – RODEX-Backup Procedure (Michael)

WP10 – Implementation of ROC Moscow backup (Russian Federation)

IP03 – Status of the use of the AFS in the AoR of ROC Moscow (Russian Federation)

WP07 – TAC Code in IWXXM (Michael)

Coordination with other regions

AMHS I/R Gateways and links

8.   Revised 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.
-   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

<mark>DMG/40 to review and comment on the above and based on results propose changes to DOC 018 - *EUR OPMET data Management Handbook*</mark>

WP09 – RODC_METNO_presentation (Mohamed & Herman)

9.   EUR Documents   (outside IWXXM elements)

Doc 014 - *EUR SIGMET & AIRMET Guide*

Doc 018 - *EUR OPMET data Management Handbook*

WP08 – Update Proposal EUR Doc 018 (Michael)

10.   SWIM

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

EUR SWIM Plan

- ROC plans

- RODBs plans

- SWIM services for EUR RODB

11.   Next meetings

DMG41: 19-21 March 2024 (Paris)

DMG42: 18-20 June 2024 (Offenbach)

12.   Any Other Business

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

After approving the agenda, the participants discussed about the representation of ROC Toulouse into the DMG. It was noted that Mr. Benjamin Revel was nominated to take part into the group activities, but due to other appointed activities, he will only be able to participate starting with DMG41.

The group welcomed Mr. Michel Vangeel from Skeyes (system administration of MET MSS) to this meeting. It was mentioned that he will participate to future DMG meetings and activities, although not as a full replacement for Herman Swinnen (DMG Focal Point).

The report of DMG39 was reviewed and, after clarifying a couple of minor items, the report was approved by the group.

Actions from previous meetings

(actions highlighted **are considered completed)**

Id	Action	Responsible	Target date	Resolution / Comments
DMG37				
DMG37-4-1	Check with contacts in MID region regarding getting information from AFI and SAM	Michael		Contacted, no response yet.
DMG37-4-2	Investigate with AFI region regarding the exchange of data with NACC	ROC Toulouse	DMG38	
DMG37-7-2	Address to a higher-level the issue regarding SIGMETs issuance and dissemination for the 4 FIRs of Turkmenistan	C. Keohan		Stays open. ~~Will be discussed also in WP2~~
DMG37-7-3	Provide updates on the possible progress related the AFS communication links with States in their AoR	ROC Moscow	DMG40	DMG40 IP03
DMG38				
DMG38-4-1	Contact NOCs in AoR of ROC Vienna for updated information regarding the translation agreements	Michael	METG	
DMG39				
DMG39-5-1	Prepare a restructured OPMET_eANP_Monitoring workbook (4 sheets, one per data type) to be used for deriving the PHP related actions.	Herman Wim	DMG40	DMG40 WP05

DMG39-5-2	Configuration of PHP application to give Diego manager rights.	Herman Wim	DMG40	Three managers at this time (Matt, Herman, Diego).
DMG39-5-3	Updates to the DMG ToR to mention Spain taking the role of Problem Handling Manager	Chris	DMG40	
DMG39-5-4	Hand-over Problem Handling Manager actions from Matt to Diego (usage examples from extraction from the monitoring results to creation / updating of tickets).	Matt Diego	DMG41	Practice session with the SIGMET monitoring exercise of ASIA/PAC: 8th, 15th and 22rd November.
DMG39-5-5	Adopt the new format of the monitoring results and use that starting with the next monitoring (Feb 2024).	The monitoring centres	DMG41	ROC London - next major software update is in January, will confirm conformance.
DMG39-5-6	Update the specifications related to the monitoring results in EUR Doc 018.	Michael	METG33	
DMG39-7-1	WP regarding the implementation of ROC Moscow Back-up	Russian Federation Michael Pichler	DMG40	DMG40 WP10
DMG39-9-1	A draft conclusion will be proposed to METG33 stating the request to ICAO Montreal for a quarterly update of ICAO Doc 7910 data, in support of automation of the DMG activities for the OPMET data exchange	Chris	METG33	Passed METG. Will go to EASPG at the end of November
DMG39-9-2	A demonstration of the RODC / METNO application will be presented at DMG40.	Herman Mohamed	DMG40	DMG40 WP09. Live demonstration

ICAO

METG33 - C. Keohan informed on the METG33 outcomes.

- Removal of EUR Doc 010 and Doc 033
- WAFS Upgrades (Nov 2023, July 2024)
- QVA, SWX – no particular task on DMG for the next SWX exercise (8-9 Nov)
- EUR SIGMET & AIRMET Guide – usage of EXER; SFC Vis & MT Obsc in AIRMET (for smoke). The new version will be published by ICAO – Dec 2023.
- DMG ToR updates:
  - Spain taking the role of PHP Manager
  - Removal of Doc 033
  - Quarterly updates of Doc 7910 for DMG activities
- Updates from DMG to the VACP – EUR Doc 019 / NAT Doc 006 – to be published by ICAO in Dec 2023
- IWXXM translation services extension
- EUR Doc 018 updates – publication Dec 2023
- Updated EUR ANP Vol III - tables AMET B0 & AMET B1
- SWIM challenges – request to SADIS/ WIFS to provide TAC & IWXXM until 2030
- Updates to the list of deficiencies
- Updates to DMG Work Programme (remove progress report on RODEX catalogue and ROC bkp, remove support for EUR Doc 020, remove Eur Doc 033)

Wim informed that a timeliness issue for Malta was related to a misconfiguration at ROC Toulouse and was already solved.

WP03 - DMG related items from METG33

Wim Demol presented a summary of the papers that were presented during METG33 on behalf of DMG:

- WP6: DMG report
- WP7: IWXXM implementation
- WP13: IWXXM translation service extension
- WP9 + Flimsy: Update to EUR Doc 018
- WP10: DMG Warning Monitoring
- WP11: Volcanic Ash Advisory Routing and Proposed Updates to EUR Doc 019 / NAT Doc 006, PartII
- WP12: EUR ANP Vol III – AMET B0 & B1
- WP14 Special air-report monitoring

Regarding the update of EUR Doc 018 , M. Pichler informed that the suggestion of including footnotes for the elements introduced by Amd 81 to Annex 3 was considered, but there were not identified such paragraphs. A further review may be needed before submission to EASPG. The elements suggested by the Flimsy (including clarification on the use of the terms data, messages and information as well as review the usage of terms data producer,

originator, originating unit, etc) will be included in a revised version, with intention to be presented at next DMG meeting.

Regarding the RODC – it was stressed that, during the process of automation of the RODC web application, the extra METNOs between the AIRAC dates will be suspended.

> Action DMG40-3-1: The ROCs will inform the NOCs in their AoR that extra METNOs are suspended and on the need to stick to the AIRAC dates for announcing the changes.

IWXXM Quality check: METG asked DMG regarding the possibility to do quality checks of IWXXM data. The response was that DMG plans to perform limited checks during the February 2024 monitoring period and will report back to METG/34. This was to be further discussed under Agenda Item 5 (WP05).

It was mentioned that the introduction of new IWXXM data need to be done in coordination with the associated ROC, and corresponding tests shall precede the beginning of data distribution.

Furthermore, DMG invited all EUR Member States to help with testing and quality control of the currently available IWXXM messages. If issues are discovered, they are to be reported to the DMG by e-mail to the responsible ROC or the DMG focal point.

With respect to the SWIM challenges, it was noted the agreement that SADIS and WIFS continue to distribute TAC and IWXXM data at least until 2030. AFS distribution is also expected to continue beyond this date.

The group was also presented the updated ToR and Work Programme of DMG, as approved by METG33.

VOLCEX 23: C. Keohan informed about the preparatory meeting that took place (in hybrid mode) during 9th to 10th October 2023 in Reykjavik, Iceland. Quite high participation, including airlines. SIGMETs will be issued with EXER (followed by line-break), guidance provided by SIGMET & AIRMET ad-hoc group. The actual exercise will take place on 21st November, between 8-16 UTC. The de-brief meeting is planned for 22-23rd January, Portugal. The dynamic re-route procedures will be tested as well. The elements of interest will be presented to DMG41.

EASA Activities

Wim updated the group with the news related to the establishment of a new MET Expert Group - 22 members. The first meeting is planned for 15-16 January 2024. A first task would be to align the EU Regulation with the provisions of ICAO Annex 3 Amd 81.

IP01 – Latest news from SDM

M. Pichler updated the group members about the activities performed by SDM and MET3SG. For SDM there was mentioned the new 2023 CEF2 Call by CINEA, including the projects proposals for family AF5.4.1. Multi-stakeholders projects are possible. The next meeting on this subject was scheduled for 20th October. Low-interest was noticed from stakeholders, though. One other activity of SDM was related to the risk management regarding the progress of fulfilling CP1. In this respect, a series of meetings with the stakeholders is scheduled, in order to get updates from stakeholders and find possible mitigation actions where needed.

For the MET3SG, M. Pichler described the activities that took place since MET3SG/03 meeting. The task team established on the service architecture already developed the service definitions for the following:

- Meteorological Aerodrome Observation Subscription and Request Service
- Meteorological Aerodrome Forecast Subscription and Request Service
- En-route Significant Weather Information Subscription and Request Service

The service definitions were presented at MET3SG/04 and the comments from the members are now expected, with the intention to have the definitions published on the EUR SWIM Registry by the end of November. It was mentioned that currently the services definitions be managed by Eurocontrol, but it is expected that in the future this will be under ICAO. A link to a Confluence website where the services definitions could be found was presented to the DMG members (read-only access).

Regarding the CP1 compliance, it was noted that this topic dominated the MET3SG/04. SDM position was that implementing of services for the legacy products was not needed, stakeholders shall instead move directly to the new, enhanced services based on the newly developed service definitions. On the other hand, a position paper presented on behalf of Aviation Advisory Committee (AVAC) of EUMETNET supported a two-tiered approach, where the implementation of services for legacy products may be considered by the respective competent authorities to fulfil the CP1 requirements. At MET3SG/04 had been established a new task-team to analyse what can be achieved by the end of 2025 (term limit imposed by CP1) to fulfil the requirements and develop a roadmap for implementation of new, enhanced services. The roadmap is expected to be available by the end of the year, and it will be made available to the DMG members.

Regarding the provision of a broker functionality by the ROCs, it was pointed out that would be expected that the ROCs would not necessarily provide data stored locally, but rather the relevant information on where to find a required dedicated service. It was agreed by DMG that, depending on possible additional information coming from MIE meeting in December, the information from the previous paper presented at DMG38 on this subject be updated accordingly and discussed at DMG41.

Action DMG40-3-2: Depending on the information coming from MIE meeting in December, an updated paper on the ROC-broker functionality be discussed at DMG41 (MP, WD).

It was mentioned, though, that currently there were no such study notes at MIE level on the broker functionality.

TT-Av Data

Dirk Zinkhan informed the DMG members on the recent activities of the TT -Aviation Data.

In the first part of the presentation, he presented to the group the latest changes introduced by the IWXXM Release 2023-1 which had been published on 15th June and which addressed mainly a series of bug fixes. The new release 2024-2 is expected to be published in November next year and is intended to support the changes introduced by Amd 81 to Annex 3 ICAO, including:

- Support for new products: VONA, QVA

- METAR: Removal of IWXXM representations involving TAC element "Supplementary information/State of the runway"
- METAR: Relaxation of TAC constraints on IWXXM
- SWA (Space Weather Information)

In the second part of the presentation, Dirk provided a description of the new IWXXM-SX schema. That was based on IWXXM for WAFC SIGWX and ensures support for Weather Objects (Points, Areas, etc.). IWXXM SX is a trimmed down version of IWXXM which has removed all legacy packages and related components. It is experimental in nature and not intended to be used separately; instead, mature components will merge into the master branch of IWXXM for publication and implementation. The new IWXXM design is intended to ease / anticipate upcoming developments, like CBCF and the SWIM Services required by CP1 and for which recently the draft service definitions have been published (Meteorological Aerodrome Observation Subscription and Request Service, Meteorological Aerodrome Forecast Subscription and Request Service).

Discussions and work are carried out in a new GitHub repository available at https://github.com/team-sx. Interested individuals (with experience in meteorological field or modelling and IWXXM) were invited to participate.

Regarding the timeline, it was mentioned that no timeline was decided yet, but developments related to the SWIM services are expected to be built by the end of 2024, with the intention to be used for services implementation by the end of 2025. As for the CBCF, the deadline of 2025 may be met as well, considering that not all the participants will have to use the new schema, but only DWD and possible another centre to serve as back-up.

IP04 - MIE

Matt Wagner informed the DMG of the current MIE work streams & Activities and the Activities which have DMG member involvement. There are currently only 2 members of the DMG (Matt and Dirk) who are actively involved with METP WG MIE activities. France had informed that a replacement for Valentin was to be provided.

Matt presented to the group the activities associated with the 4 workstreams:

- Work Stream 1: IWXXM Requirements
- Work Stream 2: MET-SWIM Plan
- Work Stream 3: IWXXM Documentation
- Work Stream 4: Support and Coordination

The next virtual meeting was scheduled for 14th November, while the MIE 11 meeting will be held with physical presence at JAM, Tokyo between 4th -7th December. The agenda of this meeting was also attached to this IP.

Regarding the inter-regional exchange of IWXXM data, it was mentioned that very poor contact is maintained with representatives from SAM region, as they do not attend the MIE meetings. Matt will try to obtain some point of contact from Jun during the MIE11.

Wim recalled that one of the activities of MIE was related to the development of a SWIM Plan and roadmap. Matt will inform on the corresponding Study Note before MIE11.

It was also noted that the plan to move to single report OPMET messages, only applies to IWXXM and not to TAC.

IP05 - MET data routing and IWXXM exchange

Matt presented to the group an update of the current status of the inter-regional exchange of Met data.

Regarding the exchange of data with MID, Michael informed that currently data is also sent to Bahrain. Chris confirmed that the initial intention was to use Bahrain as a back-up for Jeddah, but the necessity to keep distributing data to Bahrain will be confirmed after the regional meeting next month.

IROGs Vienna and Toulouse (when available) are invited to update the presented list with any additional data exchange they may have in place.

Matt informed that many States requested that the KWBC bulletins containing non-US data be stopped from distribution.

Regarding the exchange of IWXXM data, the following were noted:

- IROG Washington is not yet able to transmit IWXXM data (unofficial – until 2026)
- Canada is going to provide IWXXM data soon. Before being operationally distributed, validation is required. Matt asked Michael to also perform validation of these data.
- Full exchange with APAC (IROG Singapore)
- For SAM: although IWXXM data is probably available from Brazil, Argentina, Guyana, Paraguay and the networks permit the IWXXM exchange, it has not yet been possible to establish contacts for starting the exchange. As discussed in IP04 above, it was agreed to have a teleconference between Matt, Jun, the SAM Office and Paris Office to seek for possible contact points in SAM region.

> Action DMG40-3-3: Chris and Matt to try to establish a teleconference with SAM Office and Jun to obtain contact persons in the SAM region for setting up the IWXXM exchange.

Wim recalled that IWXXM data was previously available in RODB Brazil, by using request/reply interrogations. Currently, it seems that RODB Brazil upgraded their MSS but is not yet able to exchange IWXXM.

Regarding the validation of the non-compliant data coming from US, it was mentioned again that there are not available enough resources to deal with that huge amount of data and as such these data are simply forwarded on. The DMG members were requested to check whether their own data are included in any US bulletins, in order to address this issue on a multiple level to push on having it removed.

> Action DMG40-3-4: DMG members to check if their own data (or other EUR data) is currently received in US bulletins and inform Matt and the SADIS Manager.

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

Wim recalled a previous request from the Netherlands to send their OPMET data directly to ROC London. Matt mentioned that it has not been confirmed yet that this is 1st permitted

and 2nd feasible. Michael remembered to the group that a previous similar request had received a negative answer and it had been mentioned that the data should be sent via AFS through the national COMM centre (and not directly to the COM centre of another State). Though, that is not clearly reflected in current EUR Doc 18.

WP05 – OPMET monitoring work book (Wim)

Following the action established at previous meeting, Wim presented to the group a simplified version of the routine OPMET monitoring workbook, that would be sufficient to derive the main PHP actions and tickets. In support of the presentation, a sample mock-up workbook (containing fictitious results, for exemplification only) was provided, containing one sheet per data type and having the results represented with a colour code (green – received by the respective centre; red – not received by the respective centre, but reported as received by other centres; orange – not received by any of the monitoring centres). The colour indications is that the red entries indicate most probably a routing misconfiguration which can be easily addressed, while the orange ones need more complex addressing for making data available to the EUR region. It was agreed that the results need to be recorded for the required data only (as in eANP). For SADIS, the workbook will contain two entries – one recorded by the provider State and one on the user side. Regarding the participation of ROC Toulouse to the next monitoring exercise, Matt recalled that the first meeting when ROC Toulouse representative will participate will be DMG41, which is after the Feb 2024 monitoring. In that respect, it was concluded that Chris (ICAO) will contact Benjamin and inform him on the necessity to participate to the February 2024 DMG monitoring exercise.

The same time it was also recalled that the WIFS monitoring results were previously provided by Patrick. In the approach to the ROC Toulouse, it will also be asked whether it will also be possible to provide the WIFS monitoring for the next exercises. Meanwhile, other DMG members (Michel, Michael, Laurentiu) will investigate on the possibility to perform the WIFS monitoring and provide the corresponding results.

It was mentioned that for the non-routine OPMET data, the full 14 days period be used (instead of only the two days period that were used before), as it may be helpful for the capturing the cases when the test SIGMET was skipped to be sent on the respective day, but other real SIGMET is recorded during the two weeks monitoring period. The results need not be provided in a separate workbook, but the log of raw data received is sufficient instead (like in the present monitoring results).

WP11 – PHP Report (Matt)

Matt informed the DMG of the plan and progress to handover the PHP management role form the UK to SPAIN and the status of the PHP service, the further work, which is required, and actions needed to be taken.

On the 4th October a TEAMS meeting was held and a step-by-step process was followed to initiate a ticket and address it until its final closure.

The current status of the logged tickets was presented. The required actions implied the change of status to WAIT for the logged tickets before DMG41. The Russian Federation

representatives were asked whether they can manage to change tickets status and that was confirmed later during the meeting.

Previously ticket assigned to Valentin shall be assigned to Benjamin. For that, it was mentioned that currently the account has not been created yet. It was agreed that in the approach from Chris to Benjamin to mention that he was going to receive soon the credentials for using the PHP application.

> Action DMG40-5-1: Herman will provide the credentials for using the PHP application to ROC Toulouse (Benjamin).

Diego thanked Matt for the support with the hand-over process and confirmed will present the next DMG the PHP report.

WP06 – IWXXM Monitoring Tool

Michel Vangeel informed the group on the progress of developing a new monitoring tool that will replace the software currently used by DMG-FP. Additional changes will be done by the end of this year, in order to ensure an output format in accordance with the one agreed at DMG39 and captured in the mock-up file.

As presented to the group, the new monitoring tool is also capable to do a basic validation of the messages. This might, to some extent, answer the request that DMG received during METG33 to do a quality check of the exchanged IWXXM data. The Boolean flags indicating invalid fields may be used to derive statistics over the monitored data as for example, percentage of messages with invalid validity period, etc.

Herman pointed that the verification of fields is done only in respect with the syntax and currently in EUR Doc 018 is indicated that invalid fields be filled with X-s. Michael proposed to have instead of Xs the real value of the respective field, thus helping to identify what is wrong with that message.

IP02 – ROC Vienna IWXXM Monitoring

Michael Pichler informed the group that a new version of the MSS software which includes IWXXM monitoring capability, is currently installed on the test-system of ROC Vienna. The monitoring tool was developed based on the requirements defined by DMG and captured in the new version of EUR Doc 018. Michael presented a sample of the results of the monitoring, and also showed some statistics (derived from these data) that the current version was able to produce.

Michel confirmed that same kind of statistics may be produced by Skeyes. Also, Matt informed that he can provide monitoring results for the IWXXM data. As such, with the results gathered during the Feb 2024 monitoring exercise, there could be presented something to METG34. At DMG 41 it will be decided what to be presented to METG.

Herman pointed that would be good, as an exercise, to perform a one-day monitor, prior to the Feb monitoring, and share the results between the centres, in order to identify possible issues.

> Action DMG40-5-2: M. Pichler will perform a one-day monitor of IWXXM data and will share the results with Herman by the end of the year.

Wim noted to the group that currently the catalogue produced is referred with different terminology in various documents (EUR Doc 018, working papers, work programme of DMG). After discussing possible alternatives, the members agreed on "EUR RODEX OPMET and SADIS Catalogue".

Action DMG40-5-3: Michael to check with Jan Sondij on the usage of the single catalogue naming throughout Doc 018. Wim to verify what other documents need to be updated in that respect (DMG Work Programme).

Agenda Item 7 - RODEX

WP04 – RODEX-Backup Procedure

Michael summarized the current status with implementing the Backup Procedure. He noted that no dedicated actions took place since DMG39 for the coordination LOWW-UUUJ or EGGY-LFPW.

Michael presented the results of the NO monitoring that took place on 13 July 2023, together with the detailed actions that were taken after. The remaining open actions were:

- ROC London to check the routing of NO-messages to Lithuania
- ROC London to check the routing of NOUK01 EGGY to ROC Toulouse
- ROC Moscow to check the routing of the NO-messages to all NOCs

Matt informed that Lithuania receives the OPMET data through SADIS. The routing of NO messages to SADIS and LFPW are now in place.

In order to check the correct implementation of all the corrective actions, a new NO-test was suggested for the first day of the February warning monitoring exercise (7th Feb 2024).

WP10 – Implementation of ROC Moscow backup

The Russian Federation representatives updated the DMG members on the implementation of ROC Moscow backup. While ROC Moscow acts as the main centre and perform all its associated functions, the Novosibirsk centre runs in a shadow mode, carrying out the same functions, except for sending the data. The two centres have different AMHS addresses and as such the NOCs in their AoR and the EUR ROCs will send data simultaneously to both centres. In case of a ROC Moscow outage, the Backup Centre in Novosibirsk takes over and starts distributing OPMET data to NOCs and ROCs, since the data routing had been adjusted beforehand. ROC Vienna does not need to provide the functions of ROC Moscow in this case.

The DMG members discussed further on the regular testing of the backup procedure. Based on the available resources at ROCs level, it was expressed the opinion that a monthly run of the test was too ambitious. The principles of performing the tests summarised in Michael's WP04 were discussed, taking into account also the information from the Russian Federation regarding the ROC Moscow backup implementation. It was agreed that further coordination be done by the four ROCs (involving ROC Toulouse as soon as possible) by email and a consolidated proposal on the regular testing be discussed at the next DMG meeting.

WP07 - TAC-Code included in IWXXM

Michael Pichler presented to the group the situation with the inclusion of the TAC in the IWXXM version for those messages that failed the translation process. The corresponding provisions in the EUR Doc 018 were also analysed. The group considered that the inclusion of TAC was of no benefit to the users, but rather could serve for the purposes of 1st. Be used to highlight the originators on the consistent problems related to the TAC format which causes the translation failure, and 2nd to adjust the translation software when needed in such cases. Among the three mitigation proposals from the WP, the group agreed that currently no action should be taken to raise the issue through METG – ICAO – MIE for initiating the removal of the Translation Failure fields from the IWXXM schema. Eventually, when the data will be mainly produced at source, or the new IWXXM will not be based on the translation of existing legacy products, there will be no need to keep the Translation Failed feature in the schema.

> Note: it was mentioned that the translation software used by Skeyes (and NATS) currently introduces the TAC data in the IWXXM as comments in the xml file. That was not intended to be used by the users, but rather to serve as a measure to spot the problems with the translation process.

IP03 - Status of the use of the AFS in the AoR of ROC Moscow

The Russian Federation representatives updated on the progress made in terms of IWXXM implementation and AFS/AMHS communication links with the States in the AoR of ROC Moscow. The updates included the new extended terms for the translation agreements, as well as the progress in using the AMHS for the collection / distribution of data for the following States in the AoR of ROC Moscow: Armenia, Belarus, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan. A summarizing table showing the status of IWXXM implementation and AFS (AFTN/AMHS) capabilities of the centres in the AoR of ROC Moscow was presented.

Agenda Item 8. Revised RODC tool

WP09 – RODC METNO Presentation

The paper presented by Mohamed and Herman showed the future web architecture to host the RODC and the automation Function of METNO. The latter implied the existence of a Postgresql server in Meteo Algerie, which automatically synchronises daily with the MySQL Server at Skeyes. A practical demonstration on the initiation of a METNO change was offered, implying the use of the web user interface for filling in the necessary details related to the respective change. The result was recorded and an automatic email was sent to the DMG members. Herman informed that currently the main focus was on implementing the basic functions, like in the current METNO procedure. There are still things to be done related to the validation and the processing behind the web interface, and also to the web design. Regarding the timeline for the implementation, Herman informed that a mature version of the application was expected to be available towards the end of 2024. Until then, the current

procedure will be applied, as follows: by the end of this year, Herman will continue to ensure the functions as the Focal Point and being seconded by Mohamed; After 1st January, Mohamed will act as the FP and be seconded by Herman, until 31st March; After that, Mohamed fully takes over the FP responsibilities until the availability of the new RODC & METNO application. Regarding the taking over of DMG FP functions, Mohamed informed that he currently is concentrated on the automation of the procedure and can not provide a definitive answer. He also informed that a new colleague from Meteo Algerie will support him. The DMG members noted the possible deadlock for ensuring the functionality of the METNO procedure and agreed to hold an on-line meeting between representatives of Meteo Algerie and Skeyes to clarify the situation and try to determine possible solutions.

> Action DMG40-8-1: H. Swinnen will set-up an on-line meeting between representatives of ONM and Skeyes with the subject of defining the roles and responsibilities and the planned roadmap.

A concern was raised regarding the daily access for the communication between the two servers (Meteo Algerie and Skeyes) and that will also be investigated before implementation.

Agenda Item 9.   EUR Documents

WP08 - Update Proposal EUR Doc 018

Michael Pichler summarized the changes included in the 13th Edition of EUR Doc 018, presented to and agreed upon by METG/33. The paper also discussed some new items, which the DMG should consider for the following version of Doc 018, to be presented and agreed upon by METG/34.

Regarding reviewing of the Message Validation Procedure and its update based on recent experiences with handling rejected messages, Matt informed that currently Mike Williamson is back again under contract with NATS and could provide support, depending on his availability.

With respect to the provisions related to the catalogues, the handbook will be updated to reflect what was agreed on the consistent use of a single catalogue called EUR RODEX and SADIS Catalogue.

The DMG members were invited to provide their proposals for the amendment of the Handbook. They were suggested to work offline on a downloaded version rather than editing on-line.

> Action DMG40-8-2: The DMG members to provide proposals for amendments of EUR Doc 18 to M.P. who will present a WP at DMG41.

Agenda Item 12.   Any Other Business

M. Pichler informed that a new software version was being tested at ROC Vienna. This version includes support for IWXXM 2021-2. He proposed to exchange data in this new format with Skeyes, for testing purposes and identifying potential problems.

Agenda Item 11.   Next Meetings

DMG41   19-21 March 2024, Paris (ICAO)
DMG42   18-20 June 2024, Offenbach (DWD)
DMG43   05-07 November 2024, on-line

Id	Action	Responsible	Target date	Resolution / Comments
DMG37				
DMG37-4-2	Investigate with AFI region regarding the exchange of data with NACC	ROC Toulouse	DMG38	
DMG37-7-2	Address to a higher-level the issue regarding SIGMETs issuance and dissemination for the 4 FIRs of Turkmenistan	C. Keohan		Remains open
DMG37-7-3	Provide updates on the possible progress related the AFS communication links with States in their AoR	ROC Moscow	DMG40	DMG40 IP03
DMG39				
DMG39-5-4	Hand-over Problem Handling Manager actions from Matt to Diego (usage examples from extraction from the monitoring results to creation / updating of tickets).	Matt Diego	DMG41	Practice session with the SIGMET monitoring exercise of ASIA/PAC: 8th, 15th and 23rd November.
DMG39-5-5	Adopt the new format of the monitoring results and use that starting with the next monitoring (Feb 2024).	The monitoring centres	DMG41	ROC London - next major software update is in January, will confirm conformance.
DMG40				
DMG40-3-1	The ROCs will inform the NOCs in their AoR that extra METNOs are suspended and on the need to stick to the AIRAC dates for announcing the changes	ROCs		

DMG40-3-2	Depending on the information coming from MIE meeting in December, an updated paper on the ROC-broker functionality	M. Pichler W. Demol	DMG41
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.	C. Keohan M. Wagner	Nov-Dec 2024
DMG40-3-4	Check if their own data (or other EUR data) is currently received in US bulletins and inform Matt and the SADIS Manager	DMG members	DMG41
DMG40-5-1	Provide the credentials for using the PHP application to ROC Toulouse (Benjamin).	H. Swinnen	
DMG40-5-2	Perform a one-day monitor of IWXXM data and will share the results with Herman	M. Pichler	End 2023
DMG40-5-3	Check with Jan Sondij on the usage of the single catalogue naming throughout Doc 018. Wim to verify what other documents need to be updated in that respect (DMG Work Programme).	M. Pichler W. Demol	DMG41
DMG40-8-1	Set-up an on-line meeting between representatives of ONM and Skeyes with the subject of defining the roles and responsibilities and the planned roadmap	H. Swinnen	Dec. 2023
DMG40-8-2	Provide proposals for amendments of EUR Doc 18 to M.Pichler who will present a WP at DMG41	DMG members	