

DMG37 Notes

22-24.11.2022

The DMG37 was held virtually from 22nd to 24th November 2022. The meeting was attended by the following members:

| | |
|------------------------------|-------------------------|
| Mr. Mohamed Mezred | Algeria |
| Mr. Michael Pichler | Austria (vice-Chairman) |
| Mr. Herman Swinnen | Belgium |
| Mr. Wim Demol | Belgium (Chairman) |
| Mr. Valentin Dupont | France |
| Mr. Dirk Zinkhan | Germany |
| Mr. Laurentiu Brojboiu | Romania (Secretary) |
| Mr. Gamayak Vareldzian | Russian Federation |
| Mr. Sergey Grabko | Russian Federation |
| Mrs. Olga Petrova | Russian Federation |
| Mrs. Elena Averyanova | Russian Federation |
| Mrs. María Mercedes Abelenda | Spain |
| Mr. Diego Cubero Jiménez | Spain |
| Mr. Matthew Wagner | United Kingdom & SADIS |
| Mr. Christopher Keohan | ICAO Paris |

The meeting started on Tuesday 22nd Nov 10:00 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 36 report & Actions from previous meetings

Draft Report DMG36 actions list

[Status of the actions resulting from DMG/36 \(DMG Sec\)](#)

3. Information from other groups

ICAO

EUR:

From Parent groups: EASPG, PCG, METG

[WP02: DMG related items from METG \(Wim\)](#)

[PPT01: METG32 outcomes \(Chris\)](#)

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

[IP04: AST TF-PG & DMG Coordination meeting \(Wim\)](#)

[Feedback on VOLCEX22 \(Chris\)](#)

Global Groups

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

[IP06: MIE update \(Matt\)](#)

WMO, TT AvData

[WMO_TT-AvData_IWXXM-Status \(Dirk\)](#); extensions for color states in METAR/TREND

EASA & EU

4. IWXXM action plan

Consider development of implementation table based on information from METNO.

IWXXM Actions and coordination

- participate in the development of a regional implementation plan which may include regional/interregional workshop(s)

Status of IWXXM implementation in the EUR region

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

[IP05: Inter-regional exchange of IWXXM \(Matt\)](#)

[WP09: Inter-regional exchange IWXXM v01 \(Herman\)](#)

[Translation agreements \(Chris\)](#)

DOC 033 (Guidelines on IWXXM transition in the EUR region)

5. OPMET Data Monitoring results, action plans & PHP

Monitoring of OPMET data.

[IP03: Statistics RODB Vienna \(Michael\)](#)

[WP03: Statistics RODB Brussels \(Wim\)](#)

[UA monitoring requirements \(Valentin\)](#)

[IP01: APAC SIGMET monitoring \(Michael\)](#)

PHP actions or action plans for AOP aerodrome OPMET data

Systematically wrong formatted/coded OPMET data

[WP10: PHP \(Matt\)](#)

TC SIGMET

SWXA

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

WP04: Advisory routing (Michael)

WP05: DMG Warning Monitoring Changes (Michael)

WP06: FIR discrepancy in Turkmenistan (Michael)

IP02: IWXXM production in Cyprus (Michael)

ROC Moscow implementation

Remaining actions of ROC Moscow and its Area of Responsibility.

IP07: Implementation of ROC Moscow; actions since DMG36 (Michael & ROC Moscow)

ROC Back-up procedures/ contingency arrangements

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

WP07: The RODEX-Backup Procedure (Michael)

Coordination with other regions

AMHS I/R Gateways and links

IP11: EUR Inter-connection with AFI and MID (Matt)

RODC

Relaunch of RODC (Michael, Mohamed, Valentin, Herman)

8. EUR Documents (outside IWXXM elements)

DOC 014 EUR SIGMET & AIRMET Guide

DOC 018 EUR OPMET data Management Handbook

WP08: Proposal for a new iteration of EUR Doc 018 (Michael)

Integration of relevant EUR Doc33 elements in EUR Doc18

9. SWIM

Follow SWIM developments from WG/MIE 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 RODBs
- DMG name change/purpose (e.g. EUR MIE)

IP09: Report MET3SG meeting (Michael)

IP08: Austro Control Meeting with the Network Manager from Eurocontrol regarding SWIM (Michael)

IP10: METGATE (Valentin)

10. Next meetings

DMG 38: 21-23 March 2022 (Paris)

DMG 39: June 2022 (tbd)

11. Any Other Business

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

- DMG-FP OPMET Catalogue Applications – Status (Herman)
- Contingency modes for OPMET exchange (cfr current problems in MID Region) (Chris)

Actions from previous meetings
 (actions highlighted are considered completed)

| Id | Action | Responsible | Target date | Resolution / Comments |
|--------------|--|---------------------------------------|-------------|---|
| DMG33 | | | | |
| DMG-33-5-4 | Work on establishing the principles and format for deriving the Catalogue | H. Swinnen M. Wagner (P. Simon) | DMG34 | First draft. Intention to have it ready at DMG35. |
| DMG34 | | | | |
| DMG34-10-1 | Arrange for an on-line demonstration of MET SWIM services provided by Météo France | V. Dupont | DMG36 | |
| DMG35 | | | | |
| DMG35-6-7 | Investigate routing problems identified by Feb 2022 warning monitoring | ROCs | DMG36 | |
| DMG35-6-8 | Identify possibility to continue performing 5-month monitoring of SIGMETs and Special AIREPs | V. Dupont | DMG36 | |
| DMG36 | | | | |
| DMG36-3-1 | Provide updates to the ToR and functions of DMG to be presented to METG32 | C. Keohan | METG32 | |

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|-----------|--|------------------------------|--------|--|
| DMG36-5-1 | Prepare a WP for METG32 on the current IWXXM implementation status, errors recorded, draft decision on extending translation services | M. Pichler C. Keohan | METG32 | |
| DMG36-5-2 | Check with AST/TF-PG on coordinating for defining joint tests of MET OPMET exchange and AMHS | M. Pichler W. Demol | DMG37 | |
| DMG36-6-1 | Update the PHP tickets according to discussions at DMG36 | M. Wagner | DMG37 | |
| DMG36-6-2 | Provide user accounts for the new members from Spain and Germany | H. Swinnen W. Demol | DMG37 | |
| DMG36-6-3 | Provide to the monitoring centres a sample of the monitoring results file that is considered to fully conform to specifications and ensure a smooth processing by the DMG FP | H. Swinnen | DMG37 | |
| DMG36-6-4 | Update the current version of EUR Doc 018 with necessary provisions and examples related to OPMET monitoring | M. Pichler | METG32 | |
| DMG36-6-5 | Provide the required additional information / specific details related to the monitoring tool used by filling-in the provided form in attach to WP06 of DMG36. | Monitoring Centres (ROCs) | DMG37 | |
| DMG36-8-1 | Contact the VAACs responsible for EUR Region and obtain the current distribution list for the VAAs | M. Wagner V. Dupont | METG32 | |

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|-----------|---|--|--------|--|
| DMG36-8-2 | will prepare a WP for METG32 with a proposal regarding the optimising of VAA distribution and the update of EUR Documents | M. Pichler C. Keohan (M. Wagner) | | |
| DMG36-8-4 | Update the presented status of AFS implementation for OPMET data exchange (table in RODEX back-up procedure) | ROCs | DMG37 | |
| DMG36-8-5 | Announce via METNO the 4 headers corresponding to each ROC failure notification message (bcp procedure) | M. Pichler | DMG37 | |
| DMG36-8-6 | Present an update of the backup procedure | M. Pichler | DMG37 | |
| DMG36-8-7 | Investigate on possible benefits for METNO workflow integration into RODC | H. Swinnen M. Mezred V. Dupont | | |
| DMG36-9-1 | Provide a reviewed and a clean version of EUR Doc 018 | M. Pichler | METG32 | |

Agenda Item 3.

Information from other groups

WP02: DMG related items from METG

Wim Demol presented the conclusions/decisions and actions resulting from the DMG papers presented at METG32.

- Regarding the simplified procedure for warning monitoring, METG expressed its agreement and decided that the new procedure be described accordingly in Doc 018 and be applied starting the next monitoring exercise. M. Pichler informed that the description of the simplified procedure is already reflected in the current draft amendment of Doc 018.
- As the EUR Doc33 is intended to be removed (subject to EASPG endorsement, Dec 2023), it was agreed that elements considered of interest to be undertaken in EUR Doc 018.
Action DMG37-3-1: M. Pichler will include in EUR Doc 018 the relevant elements from EUR Doc 033.
- Other proposals for the update of Doc 018: add an example of a TAF AMD that is produced before the start of validity, WMO nomenclature, information on half-hourly METARs, synchronisation of the definition of MET Authority and MET Service Provider in accordance with Annex3 Amd81
- Regarding the change of CCCC of SIGMETs issued in the Russian Federation, it was agreed on the low priority of that, as the current situation ensures a proper distribution of the messages. C. Keohan pointed that this could also be addressed with the Hazardous Weather Information Service and be rolled-out over a 4-year period. For the time being, no action is required from DMG.
- Regarding the routing of VAA messages, the DMG was asked to prepare update of EUR Doc019 and NAT Doc006 with clarification of routing + correction of examples
Action DMG37-3-2: A proposal for the update of EUR Doc 019 and NAT Doc 006 with respect to the routing of VAA will be presented at DMG38.

The updated ToR of DMG were presented to the group (App of the WP), highlighting the main changes.

PPT01: METG32 outcomes

C. Keohan presented to the group the main topics discussed at METG32, including:

- WAFS updates and improvements
- Space Weather Advisory Information - EUROCONTROL EACCC plans to perform a SWX exercise next year
- Quantitative Volcanic Ash
- Eur Doc 014 – EUR SIGMET & AIRMET Guide (updates from METG SIGMET ad-hoc group)

- Smoke reporting – Creation of MET Smoke reporting ad-hoc group (reporting to METG33)
- Updated ToR of DMG
- Simplified warning monitoring procedure (starting Feb 2023)
- EUR Doc 018 updates and future updates (DMG)
- IWXXM implementation status
- ROC Moscow creation
- EUR ANP Vol III (the 98% IWXXM implementation in the EUR Region was explained by M. Pichler – lack of AMHS connection for Cyprus; translation service is in place now, so the 100% is achieved; will be mentioned by CK during his EASPG intervention).

[Feedback on VOLCEX22](#)

C. Keohan briefly informed the group on the exercise on 17 Nov. A number of 14 Special AIREPs from 6 States were distributed on SADIS that day. An issue with third party providers that did not use “EXER” in VA SIGMETs – it will be addressed during debrief meeting in January.

Chris also mentioned that ARS are sent via mail to the Network Manager and that this is planned to be changed. Participating airlines should do it the “normal” way so that the NM gets it via SADIS.

[IP04: AST TF-PG & DMG Coordination meeting](#)

W. Demol informed on the discussions held during the meeting on 2nd September. It was concluded that there was currently no need to expand EUR Doc 20 (AMHS Manual) App H with extra IWXXM related tests. Generally, both groups had expressed their willingness to continue their good collaboration.

[WMO_TT-AvData_IWXXM-Status](#)

Dirk informed the group that no recent meeting took place. Some discussions during the latest MIE meeting. The next meeting of the task team is planned before Christmas this year. He further presented to the group a draft with ideas on the new IWXXM design, based on the generic Meteorological Feature and describing a fundamental entity (Wx Object), with greater flexibility regarding phenomenon property and geometry representation. Also, it was mentioned the possibility to represent such a Feature by a link that could reference an external weather object, published by another source. The WxObject could also be used as a container for raw data (high resolution airport observation data). No actual timeline defined for the implementation. Examples will probably be provided during next summer (DWD and Hong Kong Observatory).

Additional notes:

- MRAD-group is currently focusing on the hazardous weather (Wx Objects) rather than on a new schema for observational data.
- WMO is looking for new members for the TT-AvXML group with XML experience. The group has lost a lot of experts

- MIL colour states in IWXXM: different approaches by Germany and UK. WMO is not working on a common IWXXM-extension. Eurocontrol would be very interested in such

Regarding EASA activities – Wim informed that an updated version of the Easy Access Rules for ATM/ANS had been recently published, ensuring correspondence with Annex 3 Amd. 80. Also, in August was launched NPA 2022-009 with subject “Establishment of a regulatory framework on the conformity assessment of ATM/ANS systems and ATM/ANS constituents”, including MET systems. A workshop on this subject is organised on 16th December, open attendance.

Agenda Item 4. IWXXM action plan

No workshop planned for the next period. The last one was held in 2021 for MID Region.

[IWXXM: status in the EUR Region & I/R Coordination](#)

Regarding the regional implementation plan – a draft conclusion for consideration by EASPG, asking States to update the information (Excel sheet provided by Michael).

Status of translation agreements – new or extended for 2023: Azerbaijan, Georgia, Cyprus, Hungary, Ireland, Israel (discontinued, start producing), Kazakhstan, Kirgizstan, Latvia, Lithuania, Moldova (producing already but small issues with SIGMETs, to be discontinued), Norway (will be discontinued in May), Turkiye, Turkmenistan, Ukraine. Iceland and Netherlands to be contacted by Matt to check current status.

[IPO5 : Inter-regional exchange of IWXXM](#)

Matt informed the group on the current status of IWXXM exchange between EUR and the other regions.

APAC

IROG London and IROG Singapore started exchanging IWXXM operationally, TAFs on the 1st November and METAR added recently. With NAM – manually exchange test performed, all ok. NAM will be able to send IWXXM data during the next year. SAM Region

The RODB Brasilia was updated to handle IWXXM but not the message switching system (IROG), by that limiting the ability to exchange such data.

MID Region

Jeddah AMHS connection was in place, although there are some problems with the provider.

Cyprus - no information yet. Matt offered to contact his colleague Chris (UK) from the AST-TF group.

Action DMG37-4-1: M. Pichler will check with contacts in MID region regarding getting information from AFI and SAM.

AFI

Valentin informed that good contacts are in place only with North AFI, but no real progress recorded for the links Bordeaux to Pretoria or Dakar.

The AMBEX schema includes the need for exchanging data between NACC and AFI - through IROG Toulouse.

Action DMG37-4-2: Valentin will investigate with AFI region regarding the exchange of data with NACC.

Action DMG37-4-3: Dirk will investigate on APAC exchange with other regions.

The paper was considered useful for the MIE group – it will be updated and presented there by Matt.

During discussions, Valentin informed that Meteo France will not support anymore the participation in MIE and consequently DMG (at least for this year, it may be reconsidered for the next year). The DMG members agreed on the importance to have a representative for ROC Toulouse at DMG (having also the role of an IROG) as well as to be represented at the MIE meetings. For the DMG it is, according to the ToRs, an obligation to participate.

WP09 Inter-regional exchange if IWXXM

H. Swinnen presented to the group considerations related to implementation of inter-regional exchange of IWXXM data in correlation with the registration of the new introduced data. The current provisions of Eur Doc 033 and the METNO procedures were recalled in detail to the DMG members. Then, the particular case of the (EXTRA) METNO registration on 7th November for long TAFs from APAC Region was discussed. The corresponding METNO message contained XXXX for the unknown reports / location indicators within each new introduced bulletin. In order to ensure compliance with the requirement to have correspondence between the registered IWXXM and TAC bulletins, and based on the three latest DMG OPMET Data Monitoring results, a METNO message was proposed to the group in order to update the location indicators of the respective bulletins. In addition, duplication of data in more than one bulletin was to be avoided and the suggested METNO-statements needed review in co-operation with the APAC-Region.

Action DMG37-4-4: M. Wagner will check what data is available in the received bulletins and will propose the corresponding METNO announcements.

Matt will also provide Tim Hailes the METNO overview from Herman to inform on what data we have available in the EUR Region.

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

IP03 - Statistics of the RODB requests (Vienna)

The requests received by RODB Vienna were monitored during April – September 2022. The results show that there is no heavy-user. During the monitored period, 5 RQX were received

from 2 users. In the Attachment to the paper M. Pichler presented the details of the received requests.

WP03 – Statistics of RODB Brussels

W. Demol presented to the group the statistics of RODB Brussels for the requests received over a 9-month period. The results were very similar with RODB Vienna, showing only 2 “almost” heavy-users with an average of over 90 requests per day. The two users from Ireland were EIAAYBYY and EIAAYBYW and their requests concerned METARs of LPPT and EGAA, and FT TAFs of LPPT and EGPF. MW will investigate and try to arrange for the regular distribution of these data. Data most certainly were available on SADIS.

Action DMG37-5-1: Matt will investigate the situation with requests from EIAAYBYY and EIAAYBYW.

During the monitoring, no RQX were received. Successful testing of RQX was performed with databank from Brasil.

For RODB Toulouse, it was recalled that there had not been reported any heavy user previously. Later, during the meeting, Valentin checked and provided an inventory which confirmed that the situation was still the same.

UA Monitoring Requirements

Valentin informed that he managed to obtain the statistics and to present the results in the csv format as for the regular monitoring. It was agreed that the SIGMET and Special AIREP headers monitored over a 5-month period (January to May 2023) will be provided at DMG39.

Action DMG37-5-2: Valentin will provide to ICAO (CK) the SIGMET and Special AIREP headers monitored in 2023.

IP01 - APAC Monitoring

During 9th, 16th and 23rd November takes place the regular SIGMET monitoring in the ASIA/PAC Region.

ROCs London, Toulouse, Vienna, Moscow and RODB Brussels, LROM (SADIS user) to provide the monitoring results to Michael - a report will be presented to DMG38 in March. The results will also be provided to APAC region, with the intention to optimise the traffic and avoid data duplication.

Action DMG37-5-3: The 4 ROCs, RODB Brussels and LROM to provide the APAC SIGMET-monitoring results to Michael Pichler, who will present a report to DMG.

Matt pointed that a brief comparison with SADIS showed a lot of new headers - there will be a need to update the routing tables accordingly. If necessary, the data will be registered via the METNO procedure at the first AIRAC date.

Action DMG37-5-4: M. Wagner to update the routing tables according to the new SIGMET headers registered for the APAC Region.

WC SIGMET for Khabarovsk and Petropavlovsk-Kamchatsky - to be checked for 9th Nov. Matt confirmed the reception of the two SIGMETs for UHHH and UHPP. Chris informed that an amendment proposal is circulated for the change of the MWO Petropavlovsk-Kamchatsky/Yelizovo that replaces serving Petropavlovsk-Kamchatsky (UHPP) FIR with Magadan (UHMM) and the received data was in line with that.

WP10 - PHP Report

The PHP report was presented by M. Wagner.

For the tickets having the status “Logged”, action should be taken by the responsible DMG members (Elena and Valentin) to have those changed to “Wait” and additional notes of the actions taken.

Valentin confirmed he is working with Joel Parlange to update the status of the tickets allocated to them that have the WAIT status.

Regarding the WV SIGMET for Canarias – registered with format error - the details will be provided to Spain and the ticket will be assigned to Mercedes Abelenda for taking care of that issue.

The other responsible persons will take care of the actions needed for the tickets in “Wait” status and follow to have them resolved / closed.

Regarding the task in the agenda for deriving IWXXM error categories – it was agreed that for the moment there was no need for that and will be removed from the Agenda.

Regarding the production of the SUG Annexes 2&3, question was raised whether those are still needed and if production of those together with the Catalogue was not redundant. Herman pointed that the Annexes are more SADIS oriented, while the OPMET Catalogue is on SADIS + AFS. Question to MOG if those are still needed - answer is expected. Matt will check with MOG to see if those are opened / used by anyone.

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

Will be addressed during the June meeting.

Chris informed that an update to Doc 7910 was already available and will be provided to Herman to be used for the Feb 2023 monitoring. Also the updates to the ANP Table MET II-2 would be sent in due time in order to include all amendment proposals for all ICAO regions during the last year.

The statistics on timeliness and availability that NATS used to provide – Matt confirmed that those cannot be done anymore due to the lack of resources.

Agenda Item 7. RODEX

WP04 - Advisory Routing

M. Pichler informed on the actions taken with respect to the optimisation of routing of the advisory messages, in line with the update of the DMG work programme. Feed-back was received from ROC London (including information from VAACs Darwin, Montreal and Tokyo) and ROC Toulouse.

VAAC Darwin - routing to LSZH address was investigated and the direct routing is not needed anymore.

VAAC Tokyo – directly route FV messages to some ED, EH and LS addresses, as well and Russian Federation. Michael will coordinate with these centres to obtain information whether the messages are already received via regular distribution and the direct addressing is not needed anymore.

VAAC Montreal – direct routing of advisories to ED, EH addresses + LFPW

VAAC Toulouse and London distribute the advisories to their ROC, which take care of further distribution of the messages.

Regarding the work on EUR Doc 019 – it was concluded that a small working group - UK, FR and ICAO coordinate on the update of the 019. A Word version of the document was already available, provided by Chris. Matt and Valentin will coordinate with their colleagues in the VAACs, and Chris will coordinate with Tokyo to check the proposed wording in the document.

Action DMG37-7-1: Chris, Matt and Valentin will work on the update of the EUR Doc 019.

WP05 - DMG Warning Monitoring changes

The group was informed on the decision resulted from METG32 that approved the simplified warning monitoring procedure. That would imply reducing the results only from the four ROCs, RODB Brussels and NOC Bucharest.

Regarding publication of the results - that will be done on the DMG website and an email will just inform NOCs on the availability of the updated results.

For the Feb 2023 there will also be done a one-time-only monitoring of the NO messages used for the RODEX backup procedure.

Dirk will check with his DWD colleagues to inform that there was no need for providing the results of the warning monitoring and stop the automatic production of the results.

WP06 - FIR Discrepancy for Turkmenistan

M. Pichler informed the group that, following the reception of a SIGMET message for FIR Turkmenabat on 16th September, investigations showed that while in AIP there are declared

4 FIRs, in the current versions of “EUR eANP Vol II, Table MET II-1” as well as the “List of EUR SIGMET and AIRMET headers” only the Ashgabat FIR was mentioned. The response received from Turkmenistan said that the message was sent by mistake, and not being intended to be routed to the OPMET databanks.

Chris checked and confirmed that there were 4 FIRs, most probably served by a single MWO. If that would be the case, the ANP and list of headers need to be updated accordingly. Russian Federation tried to obtain information from Turkmenistan regarding the production of SIGMET messages, but no answer received so far. Michael pointed that it seemed that SIGMETs were produced for the 4 FIRs, but only distributed nationally.

C. Keohan will keep this on his list of actions for the next opportunity to address to a higher-level administrative official (CAA level), possible for the first visit of ICAO representatives to Turkmenistan. SIGMET messages are of high importance and need to be exchanged internationally.

Action DMG37-7-2: C. Keohan to address to a higher-level the issue regarding SIGMETs issuance and dissemination for the 4 FIRs of Turkmenistan.

IP02 - IWXXM Production in Cyprus

M. Pichler informed on the situation in Cyprus, where although the MET Switch and AWOS had been upgraded and have AMHS capability, those cannot connect to the COM Switch due to an issue with the communication line. The provider does efforts to have that solved by the end of the year. The new AWOS is currently not able to send the data via AFS and FTP is issued as an interim solution instead. As for IWXXM data, it was not agreed to use FTP for the reception of IWXXM data, but the translation agreement signed with ROC Vienna ensures data availability. That contributes to a 100% availability of IWXXM in Europe.

IP07 - Status ROC Moscow

M. Pichler reviewed the current status regarding the implementation of ROC Moscow.

ROC Moscow has been officially implemented since 16th March.

The transition to implement ROC Moscow from a RODEX-perspective can be reported as finalised since the 5th October 2022. ROC Moscow is now distributing data to all NOCs in his area of responsibility.

Turkmenistan officially confirmed to be in AoR of ROC Moscow. Translation agreement is in place for the IWXXM data.

At the moment there is no data provided by ROC Moscow via the AFS to the centres in the AoR. Only responses to requests are sent via the ICAO-network. According to ICAO regulations, all OPMET data shall be exchanged using the AFS. That would also ensure a successful

implementation of the backup service, as ROC Vienna could only supply data to the states that have AFS-links, in case of an outage of ROC Moscow.

Regarding production of IWXXM data, it was considered that many States in the AoR of ROC Moscow would not be able to implement that soon, as long as they also miss the necessary AFS links. ROC Moscow informed that could ensure translation service for Turkmenistan (and for other states in their AoR) beyond 2023, for how long would be needed. But DMG reminded that METG32 decided to extend the translation service for one year and after that period, States not being able to provide data on their own may be listed on the ICAO deficiencies list.

Regarding any progress envisaged for the communication links between ROC Moscow and its associated NOCs, an update will be provided by the Russian Federation during the meeting or at DMG38.

Action DMG37-7-3: ROC Moscow will provide updates on the possible progress related the AFS communication links with States in their AoR.

That was considered the last paper presented by M. Pichler on ROC Moscow transition. The transition is completed, ROC Moscow takes over and will present IP/WPs to the DMG meetings with respect to its activities. DMG chair expressed on behalf of the group its appreciations and congratulations for the successful implementation.

WP07 - RODEX Back-up procedure

First testing of NO messages distribution – during February 2023 warning monitoring. Headers already announced in July.

Status of backup ROC Vienna – ROC Moscow

Routing tables exchanged. Lack of AFS links to States in AoR of ROC Moscow makes it difficult to provide backup by ROC Vienna. FTP could be a solution, but that is not covered by ICAO and would slow down the implementation of AFS links. It was agreed that for a short-term period (as in the case of a ROC back-up) FTP use would be acceptable.

It was agreed that no translation should take place in case of back-up situation, as the translation would anyway be ceased and for the moment there is not reported any operational use of the IWXXM data.

The NO messages will be sent to announce the outage of a ROC and the take-over of its backup, but also at the end of the outage, to announce the end of the take-over period. The test procedure was discussed in some detail. Although the testing of distribution of NO messages was not considered enough to ensure the proper functioning of the back-up, it was agreed to be the easiest way to check. In principle, if the correct routing is in place and is activated after the NO announcement, everything should go well. A full test would imply involvement of all the NOCs in the AoR of the failing ROC, which is difficult to realise.

Action DMG37-7-4: ROC Vienna will coordinate with ROC Moscow to check with states in the AoR what the possibilities are for providing backup to a NOC and provide updates to the next DMG meeting.

Status of backup ROC London – ROC Toulouse will be presented at DMG38.

IP 11: EUR Inter-regional exchange with AFI and MID

Matt informed the DMG of the highlights of the AST TF/03 WP03 presented by the Planning group of the AST TF in Paris 15-18 November, regarding EUR interconnection with the AFI and MID regions.

EUR to AFI:

- Spain have AFTN links with Johannesburg and Dakar. Plans to migrate the links to AMHS
- Plans to establish a AMHS connection between Athens and Johannesburg (over VPN)

EUR to MID:

- Existing AMHS connection between Athens and Cairo
- Planned AMHS connection between Nicosia and Amman (Q1 2023)
- Planned AMHS connection between Nicosia and Saudi Arabia - November 2022
- Existing AMHS connection between Nicosia and Cairo for bilateral traffic, it can be used as alternative in case of outage of LGGG-HECA connection.

The implementation of the planned AMHS connections will improve the communication between the regions and ensure the necessary redundancy.

This progress on the network will permit the exchange of IWXMM data with these regions, for the link to Jeddah hopefully in Q1 2023.

Valentin informed the group that a SIGMET test will take place the next week with states in the AFI Region (28-30 November), with intention to check the distribution of WS, WC and WV messages. Valentin will report the results to DMG. The 4 EUR ROCs are asked to participate, if possible.

Action DMG37-7-5: The 4 ROCs are invited to take part in the AFI Region SIGMET monitoring and provide the results to Valentin, who will inform DMG38.

[Re-launch of RODC presentation](#) - postponed for Thursday

Agenda It. 8 EUR Documents

[WP08 - Update of EUR Doc 018](#)

M. Pichler presented to the group the feedback/questions received from METG related to the new version of Doc 018 presented at METG32.

Regarding par. 6.1 with respect to METAR production for RS/AS aerodromes, a new wording together with notes/explanations will be circulated to the DMG members before being sent to Jan Sondij. The name of table MET II-2 will be explicitly mentioned in the document. Regarding examples on TAFs amended before the start of validity, clarification will be requested first from Italy.

A draft of Doc 018 containing information taken from Doc 033 will be provided at DMG/38. It will be circulated as soon as possible with DMG members, enabling comments on the proposed changes in advance.

Action DMG37-8-1: M. Pichler will circulate to the DMG members the draft version of Doc 18 updated with information from Doc033, for comments/suggestions, with the intention to have the consolidated draft ready for presentation at DMG38.

24.11.2022

IP12 - RODC

Mohamed presented to the group the mechanism for updating an existing routing table in RODC with information received in a METNO announcement.

The routing table of ROC Moscow that was used in the presentation seemed to be in fact the routing table of ROC Vienna. The correct table was sent during the meeting and the paper was updated accordingly.

Herman recalled that during DMG36 it was presented the idea of having a DMG Console / Dashboard application, able to serve for the different purposes like OPMET catalogue, routing tables, performance indices, PHP, etc. Differentiated access would be granted to different types of users / roles. Wim informed that discussions with IT responsables within Skeyes revealed that there should be defined in detail the particular use cases / user stories, to identify for instance situations where external access is needed to update/modify the databases, in which cases restricted access will be granted only after proper documenting and only to specific people and IP addresses, for security reasons.

Action DMG37-7-6: Herman to define high-level user stories (use cases) for RODC.

Involvement of Skeyes - revised, as it would not be able to continue with all Herman's tasks. Those need to be revised and preferably split between other DMG members. First intention is to replace the monitoring software for Brussels and also ensure capability to process the monitoring results from the other centres and to derive the OPMET catalogue. The solution would be based on Microsoft Azure, with Postgres tables, ensuring also external intervention for various tasks from DMG members with appropriate access granted. Details will also be discussed during the face-to-face meeting at DMG38.

Close Ag. It. 7

Ag. It. 3 (re)

IP06 - MIE

Matt presented to the group details regarding the participation of the 3 DMG members in MIE - workstreams and activities. Thereafter, he went through all MIE/09 Decisions. Further, under “Topics of interest”, the following were noted:

- Discontinuation of WMO Doc 386 in 2024
- “Collective Bulletin” be used as standard terminology
- Common terminology promoted in all ICAO Regions (NOC, ROC, IROG, RODB)
- “TAC cessation” to be replaced, as no actual requirement for that (Annex 3 update will only remove the requirement to exchange TAC)
- Removal of TAC from ICAO Annex 3 - critical dependencies (all data be globally exchanged in IWXXM, documentation updated, etc)
- Introduction of SWIM in Annex3 Amd82 (Nov 2026)
- Single location messages instead of collective bulletins
- Global Extension Repository - procedures for its use are needed

Regarding the MIE membership - it was noted the whole amount of workload is shared between the few MIE members. Individuals with appropriate skills and availability are welcome to join.

Additional discussions within the group related to: using single report exchange vs collective bulletins (providing timely distribution, without delays); AFS will be used for long time to go to make IWXXM data available for SWIM services, and still using collections; single reports messages come more into play in SWIM services exchange, instead, when better information will gradually replace METAR/TAF; in APAC some States moving to IP instead of AFS; future role of the ROCs / IROGs within the SWIM environment.

DMG appreciated sharing the information from MIE, while Matt thanked the group for the support offered.

Agenda It. 9 SWIM

IP08 - Austro Control meeting with SDM

M. Pichler presented to the group details regarding a meeting between Austro Control specialists and SESAR Deployment Manager (SDM) representatives that took place in Sept this year. He presented the listing of the questions raised by Austro Control and the answers received from SDM. Full details of the presentations may be offered by Michael if requested.

Regarding the timeliness for implementation – no intention to relax, still 2025 as the time limit. At least for providing the METAR /TAF /SIGMET, as the minimum requirement.

IP09 MET3SG

M Pichler gave an overview of the MET3SG/02 meeting on 16th Nov.

One key reason for the poor implementation is the lack of coordination between the producers and the users – the producers have no information of the information needed for operations, while the users are not aware of the advantages of SWIM.

During the MET3SG-02 meeting, France, Germany and NAMCON presented details of the current / planned implementation of SWIM and offered insight on the experienced and foreseen challenges.

Regarding the Meteo France implementation, Valentin clarified to the group that the provision of SWIM services will be ensured by Meteo France and DSNA. The outsourced services are only for consultancy regarding clarification of CP1 requirements and for defining necessary actions.

Dirk informed DMG that open questions regarding the security of information lead so far to opinion that there will not be necessary to sign the MET information (this having a strong positive impact on the costs of implementation).

No cost/benefit analyses are yet available, as the expected benefits are not easy to estimate.

Laurentiu informed on other issues presented at MET3SG-02: NAMCON approach using OGC-EDR API, European funding available for 2023 supporting MET SWIM implementation.

Regarding Wim question on airport operators participation to MET3SG, it was confirmed that there is strong support into the participation of users / service consumers to MET3SG activities. Dirk mentioned that there had not been raised the issue to split the group activities in producers / users.

IP10 METGATE

MetGate is an European project between UKMO, DWD and Meteo France. Valentin presented to DMG members details on the METGATE implementation at Meteo France. The presentation covered the goal of the project, its context of use, the system stakeholders involved, functional architecture.

It was mentioned that the system was designed to allow publication of meteorological data by different producers (public or private, even foreign MET service providers). The products/services will be of two distinct categories - regulatory products and commercial.

Regarding the status of implementation: current version has AMQP and REST API (OGC) services, user management interface.

Further, the HMI was presented using screenshots of the current application. An interface is available for users to select the products they want to receive and even customise the thresholds for parameters that trigger the dissemination of a specific product. If possible, a live demonstration will be presented at one of the next DMG meetings.

Regarding the common implementation of the project by the participants, Dirk mentioned that reality showed different background infrastructure was available, such that the aim to have one single implementation in all three organisations had been abandoned. Instead, the current approach is to ensure that similar interfaces / user interfaces are implemented, using

common standards. The MetGate project is finished, but coordination continues towards a harmonised implementation.

Regarding the fulfilment of CP1 requirements, Dirk informed that at DWD at this moment there is no specific service only for airports, but coordination is in place with the German airports and a service will be available early next year.

Agenda Item 12 Any other business

Contingency mode for OPMET exchange: CK informed that Jeddah was not able to provide FTP for getting data from Sudan, Yemen, Lybia. Data from Sudan is received at DWD via AFTN, coordination in place for routing those via Jeddah to ROC Vienna.

Next meetings:

DMG38: 21-23 March 2023 (ICAO)

DMG39: 13-15 June 2023 (Madrid).

DMG40: 17-19 October 2023 (on-line)

DMG37 LIST OF ACTIONS

| Id | Action | Responsible | Target date | Resolution / Comments |
|------------|--|---------------------------------------|-------------|---|
| | DMG33 | | | |
| DMG-33-5-4 | Work on establishing the principles and format for deriving the Catalogue | H. Swinnen M. Wagner (P. Simon) | DMG34 | First draft. Intention to have it ready at DMG35. |
| | DMG36 | | | |
| DMG36-6-3 | Provide to the monitoring centres a sample of the monitoring results file that is considered to fully conform to specifications and ensure a smooth processing by the DMG FP | H.Swinnen | DMG37 | |
| DMG36-6-5 | Provide the required additional information / specific details related to the monitoring tool used by filling-in the provided form in attach to WP06 of DMG36. | Monitoring Centres (ROCs) | DMG37 | |
| DMG36-8-4 | Update the presented status of AFS implementation for OPMET data exchange (table in RODEX back-up procedure) | ROCs | DMG37 | |
| DMG36-8-7 | Investigate on possible benefits for METNO workflow integration into RODC | H. Swinnen M. Mezred V. Dupont | | |

| | DMG37 | | | |
|------------------------|---|---------------------------|-------|--|
| DMG37-3-1 DMG37-8-1 | Include in EUR Doc 018 the relevant elements from EUR Doc 033 Circulate to the DMG members the draft version of Doc 18 updated with information from Doc033, for comments/suggestions, with the intention to have the consolidated draft ready for presentation at DMG38 | M. Pichler | DMG38 | |
| DMG37-3-2 DMG37-7-1 | Proposal for the update of EUR Doc 019 and NAT Doc 006 with respect to the routing of VAA | Chris Matt Valentin | DMG38 | |
| DMG37-4-1 | Check with contacts in MID region regarding getting information from AFI and SAM | Michael | | |
| DMG37-4-2 | Investigate with AFI region regarding the exchange of data with NACC | Valentin | DMG38 | |
| DMG37-4-3 | Investigate on APAC exchange with other regions | Dirk | DMG38 | |
| DMG37-4-4 | Check what data is available in the received bulletins from APAC and will propose the corresponding METNO announcements | Matt | DMG38 | |
| DMG37-5-1 | Investigate the situation with requests from EIAAYBYY and EIAAYBYW | Matt | DMG38 | |
| DMG37-5-2 | Provide to ICAO (CK) the SIGMET and Special AIREP headers monitored in 2023 | Valentin | DMG39 | |

| | | | | |
|-----------|---|---------------------------------|-------|--|
| DMG37-5-3 | Provide the APAC SIGMET-monitoring results to Michael Pichler, who will present a report to DMG | 4 ROCs RODB Brussels LROM | DMG38 | |
| DMG37-5-4 | Update the routing tables according to the new SIGMET headers registered for the APAC Region | Matt | DMG38 | |
| DMG37-7-2 | Address to a higher-level the issue regarding SIGMETs issuance and dissemination for the 4 FIRs of Turkmenistan | C. Keohan | | |
| DMG37-7-3 | Provide updates on the possible progress related the AFS communication links with States in their AoR | ROC Moscow | DMG38 | |
| DMG37-7-4 | Check with states in ROC Moscow AoR what the possibilities are for providing backup to a NOC | ROC Vienna ROC Moscow | DMG38 | |
| DMG37-7-5 | Participate to the AFI Region SIGMET monitoring and provide the results to Valentin, who will inform DMG38 | 4 ROCs | DMG38 | |
| DMG37-7-6 | Define high-level user stories (use cases) for RODC | Herman | DMG38 | |
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