

DMG36 Notes

21-23.06.2022

The DMG36 was hosted by AustroControl from 21th to 23rd June 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 21 June 10:00. The following agenda was presented for adoption:

1. Approval of the Agenda

WP01 – Agenda (Chair)

2. Approval of the DMG 35 report & Actions from previous meetings

Draft Report DMG35 actions list

Status of the actions resulting from DMG/35 (DMG Sec)

3. DMG membership

DMG membership –

Consider: Spain (link to SAM Region)

Consider: propose Germany (for WMO/TT AvData activities) be added

4. Information from other groups

ICAO

EUR:

From Parent groups: EASPG, Programme Coordination Group (PCG), METG

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

Global Groups

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

IP02 : MIE (Matt)

WMO, TT AvData

WMO_TT-AvData_IWXXM-Status (Dirk)

EASA & EU

5. **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

WP05 : Detected IWXXM errors (Michael & Wim)

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

WP04: IWXXM-AMHS Implementation (Michael)

DOC 014 (EUR AIRMET and SIGMET Guide) & IWXXM

Support the METG ad-hoc group on EUR SIGMET and AIRMET guide on IWXXM related topics

DOC 018 (EUR OPMET Handbook) & IWXXM

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

6. **OPMET Data Monitoring results, action plans & PHP**

Monitoring of OPMET data.

WP06: DMG-FP_Evaluation_TAC-OPMET-Monitoring-Tools_DOC018-Specs_V2022 (Herman)

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

IP03 : SADIS and EUR Region OPMET catalogue (Matt)

7. 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;

WP02: EUR ANP VOL III – BO & B1 – AMET (Chris)

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

8. RODEX

WP03 : VA-Advisory Routing in the EUR Region (Michael & Chris)

ROC Moscow implementation

Remaining actions of ROC Moscow and its Area of Responsibility.

WP11: Implementation of ROC Moscow; actions since DMG35 (R.F.)

IP04: Status 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

RODC

WP09: relaunch of RODC (Michael)

9. 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)

10. 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)

IP01 : Report MET3SG meeting (Michael & Laurentiu)

11. Preparation for METG/32

- create a list of DMG papers (including the DMG report) for METG/32 and include contributors as well as expected due dates

12. Next meetings

DMG 37: 8-10 November 2022 (virtual)

DMG 38: 21-23 March 2023 (Paris)

DMG 39: June 2023 (tbd)

13. 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)
- Coordination with AST TF PG : update of test procedures in App H of EUR AMHS Manual
- Line breaks in OPMET messages containing more than 69 chars on a line (Matt)
- ICAO API services
- 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 |
|--------------|--|--|-------------|---|
| DMG32 | | | | |
| DMG32-5-12 | WP related to revision of the VAA distribution policy (with intention to present to METG/31) | M. Pichler C. Keohan | DMG35 | Draft paper discussed @DMG35 with intention to present that @METG32 |
| 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 | | | | |
| DMG34-2-2 | Present a new paper with an updated overview of the IWXXM implementation | CK MP | DMG35 | |
| DMG34-5-1 | WP with Plan on the implementation of new headers by Russian Federation | Russian Fed C. Keohan H. Swinnen M. Pichler | DMG35 | |

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|--------------|--|---|-------|--------------------------------------|
| DMG34-8-3 | Provide the routing tables to M. Mezred in order to include those into RODC | ROC Moscow ROC Toulouse | DMG36 | Received on 14/11/2022 |
| DMG34-10-1 | Arrange for an on-line demonstration of MET SWIM services provided by Météo France | V. Dupont | DMG36 | |
| DMG34-10-2 | Provide an IP with regard to RODB Toulouse status | V. Dupont | DMG36 | |
| DMG35 | | | | |
| DMG35-3-1 | Contact Spain in order to obtain information regarding the link with SAM Region and regarding their availability for participating to the DMG activities (either as a permanent member or on occasional basis) | C.Keohan W.Demol | DMG36 | Contact person provided by V. Dupont |
| DMG35-9-1 | Review the proposal for new iteration of Doc 018 and provide comments / updates to M.P. | DMG members | DMG36 | |
| DMG32-5-10 | Consolidate the update proposal to Doc 018 (TAF CNL examples and other input from DMG) | M. Pichler | DMG36 | |
| DMG35-6-1 | Work on defining the IWXXM monitoring requirements | M.Pichler V.Dupont M. Wagner W.Demol | DMG36 | |
| DMG35-6-2 | WP for METG to inform on typical error coding that are encountered with IWXXM data, highlighting the need that the producer (or | W.Demol M.Pichler | DMG36 | |

| | | | | |
|------------|---|-------------------------|-----------|--|
| | translator) should ensure the correctness of data | | | |
| DMG35-6-3 | Update / generate new PHP tickets related to missing data for each ROC, based on Feb. 2022 monitoring | M. Wagner H. Swinnen | DMG36 | |
| DMG35-6-4 | Provide to C. Keohan a list of location indicators not in 7910 per each ICAO Region | H. Swinnen | | |
| DMG35-6-5 | Review on the compliance of the monitoring results to the specifications | H. Swinnen | DMG36 | |
| DMG35-6-6 | Actions resulting from APAC monitoring work-package | M. Wagner | DMG36 | |
| 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 | |
| DMG35-7-1 | Update the EUR ANP Volume III tables | C. Keohan | DMG36 | |
| DMG35-7-2 | Detailed report on METAR availability for Uzbekistan | H. Swinnen | DMG36 | |
| DMG35-10-1 | Provide to M.W. comments, observations, ideas for inclusion into the AFS to SWIM paper for MIE | DMG | Mid April | |

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|------------|---|-------------------------|-----------|--|
| DMG35-10-2 | Provide to M.W. input related to RODB SWIM services, for insertion into the paper to MIE | W. Demol V. Dupont | Mid April | |
| DMG35-10-3 | Provide to M.W. updates related to the inter-regional exchange of IWXXM data | M. Pichler V. Dupont | DMG36 | |
| DMG35-8-1 | Provide to M.P. ideas, comments and proposals for the implementation of the back-up procedure | DMG | | |
| DMG35-8-2 | Provide to M.P. ideas, suggestions and proposals regarding the RODC development, WP for DMG36 | DMG M. Pichler | DMG36 | |

Agenda Item 3. DMG Membership

As a result of a prior invitation, DMG36 meeting was attended by experts from Germany and Spain. All participants presented themselves during a tour de table session. The DMG members unanimously agreed to expand the composition of the group with experts from Spain (in order to ensure a good liaison with the SAM Region) and Germany (for bringing expertise related to IWXXM/SWIM implementation). The ToR of DMG and its functions should be updated accordingly. That need to be reflected into the DMG report to METG.

Action DMG36-3-1: C. Keohan will provide updates to the ToR and functions of DMG to be presented to METG32.

Agenda Item 4. Information from other groups

Programme Coordination Group (PCG) – latest meeting in May, no strict matters related to DMG (Volcex, GRF).

Good progress recorded with actions from METG31.

VOLCEX – comparison between 2010 and 2022 policies (no-flight vs. SRA-based flight permissions) – halves the losses to 50% (1.5 bil. Dollars).

The next VOLCEX is planned for 17 Nov 2022 Spain (Canary Islands). The exercise messages will be issued by VAAC Toulouse.

Next PT/EAST meeting is going to be held the next week. That will be the first meeting since start of pandemic.

Dirk Zinkhan - no significant updates on WMO TT-AvData activities were recorded since DMG35 (March). He informed the group on the following aspects:

- Following a workshop held with MIE and MRAD (Meteorological Requirements and Development), it was agreed to work on developing a new schema for airport information (possible future replacement of METAR / Local report), outcomes expected by the end of the year. Will likely provide high-resolution observation data in a format that will be possible to be used for forecasts as well. The development / registration process duration will probably not make it possible for 2025 implementation of SWIM services, but states may proceed with implementation based on outcomes from MIE / MRAD.
- WIS2 and WIS2-in-a-box: similarities / differences with/from SWIM. Possible presentation during one of the next DMG meetings.

Information from WMO suggested likelihood of delaying the implementation of Amd 81 to Annex 3 / PANS-MET for around 1 year (2024).

It was noted that no new information was available from EASA. A MET expert from Cyprus has been appointed as EASA Focal Point for Meteorology since end of March 2022.

IPO2: MIE

M. Wagner informed the DMG members of the MIE work streams and activities, in particular those which have an impact to DMG activities and also DMG member involvement (3 DMG members are currently involved in WG MIE), such as IWXXM Requirements, MET/SWIM Plan, IWXXM documentation. In addition, Matt discussed with the group a paper that presented to MIE with the intent to clarify aspects related to the current MET data exchange within the region and inter-regionally, for a better understanding of the situation and a proper planning of the necessary steps for the MET SWIM implementation. The intention is to extend and continuously update the paper with information considered necessary.

The paper, although offered a detailed description of actions needed from transitioning from AFS to SWIM, was also raising a number of questions for which a clear solution could not yet be provided due to the lack of information available. The group highly appreciated the content of the paper and looked further to follow its evolution after presentation to MIE. Until then, members were invited to provide to M.W. further ideas/ comments.

Agenda Item 5. IWXXM action plan

WPO4 IWXXM-AMHS Implementation

Details on the current situation (Attachment A to the paper, updated 17 May) were presented to the group. Then it was analysed a comparison between the current stage and the one recorded in October 2020. A general improvement was noted for COM centres and NOC able to handle AMHS and FTBP. Also, it was noted the significant increase in IWXXM METAR availability, which actually reached 100% (Cyprus data, although produced in IWXXM, is not yet distributed due to the lack of AMHS-connection to the COM centre). The ROCs provided up-to-date information regarding the implementation in their area of responsibility, as follows:

ROC London: Latvia produces METAR in IWXXM, other data types are translated by London.

ROC Toulouse:

- Spain is already transmitting IWXXM data since last month
- Algeria through the MET switch is ready to produce OPMETs in IWXXM 3.0 format via the new application developed, in accordance with ICAO recommendations .
- Due to some issues with the translation software, no translation is currently available for Malta and Morocco, the issue will be solved soon. Meanwhile, tests are in place for exchanging IWXXM data produced by Malta.

ROC Moscow: Belarus started issuing METAR/SPECI and TAF in IWXXM. After checking the quality of the provided data, the translation service provided by ROC Moscow could be stopped.

ROC Vienna: several States work on implementing their national translation service and already exchanged IWXXM data for tests (Azerbaijan, Georgia, Moldova) - will probably not need translation service next year. The other states will be contacted to get feedback on the current situation.

As for the other regions, the following was noted:

MID Region: preparation of pre-operational tests of AMHS link between Nicosia and Jeddah.

AFI Region: no updates

APAC Region: in March, successful operational exchange of IWXXM data between IROG London and IROG Singapore (for ≈2 hr). Issues related to the network redundancy and limited bandwidth need to be resolved before starting operational exchange.

DMG discussed the situation in Cyprus (producing IWXXM but not using an AMHS connection) as well as similar issues in the MID-region. Theoretically, IROG Vienna could agree to receive data (not only IWXXM) via FTP from states/airports in the MID-region which are not able to use AFS. For Cyprus, DMG concluded that the State shall take care of the provision of data and that in general, offering such a possibility very likely would slow down the implementation of AMHS.

The group agreed that a separate WP need to be presented to METG32 to present the current IWXXM status and to propose a draft decision for extending the translation services for one more year. The ROCs shall get in touch with the states in their AoR to get updated information in regard to IWXXM/AMHS implementation. The DMG will suggest to METG32 that States that are failing to provide IWXXM data after this one year period will lead to be included into the Air Navigation Deficiencies list.

Action DMG36-5-1: MP and CK will prepare WPs for METG32 on the current IWXXM implementation status, errors recorded, draft decision on extending translation services.

WP05 Detected IWXXM-Errors

Following discussions during previous DMG meetings, M.P. and W.D. prepared an overview of some typical errors identified with circulated IWXXM data, in respect of adherence to schema and schematron. M. Pichler presented the main categories of issues, as follows:

- lower case letters and inconsistencies on airport names for NIL messages: most probably is related to using different source databases for airport details; D. Zinkhan informed that this issue was spotted and synchronisation of the source databases is in progress

- namespace declaration: differences were spotted between different messages with regard to declaration of <http://www.w3.org/1999/xlink>. During discussions, D. Zinkhan informed about a tool that can be used for schema and schematron validation - CRUX. A link to this on github was provided later during the meeting.

- wrong coding of cloud, non-defined weather element, start of validity, airport elevation.

The group agreed that a listing of such examples be included into the DMG paper for METG32 on IWXXM status (Action DMG36-5-1), in order to help States to properly implement the translation to IWXXM.

With regards to AMHS testing it was mentioned that EUR Doc. 020 contains some test examples, but those needed to be supplemented with some additional MET specific testing for IWXXM circulation or, for instance, for RODB interrogations.

Action DMG36-5-2: M. Pichler and W. Demol will check with AST/TF-PG on coordinating for defining joint tests of MET OPMET exchange and AMHS.

The group considered the necessity to amend the ToR of DMG to include such provisions. The following will be added as a sub-bullet to the current IWXXM related activities:

- support AST/TF-PG in updating App. H of EUR Doc. 020

EUR Docs 014, 033: no changes / updates related to IWXXM were recorded. For Doc 018 - the changes related to IWXXM will be discussed under the corresponding WP.

Agenda Item 6 OPMET Data Monitoring results, action plans & PHP

WP10 PHP Report

M.Wagner presented to the group the current status of the PHP service, including the status and the description of the existing PHP tickets. It was agreed that the logged tickets be put in WAIT (meaning that work needs to be started on those), while closed tickets be put into Final Closed (M.W.). With regard to tickets concerning OPMET data from the other regions, it was concluded to keep those open and check during the next monitoring exercises whether the problems persist, in which case a note will be added to the ticket - "still deficient".

Action DMG36-6-1: M.Wagner will update the PHP tickets according to discussions.

Action DMG36-6-2: H.Swinnen and W. Demol will take action to provide user accounts for the new members from Spain and Germany.

WP06 Evaluation of DMG EUR TAC OPMET data monitoring tools

Following an action derived during previous DMG meetings, H. Swinnen presented to the group an overview of the monitoring procedure and an evaluation of the current monitoring tools used by different centres. The results were presented as an attachment to the working paper, in Excel format, one sheet per monitoring centre, with highlights on the conformance of the monitoring results received with the requirements in EUR Doc 018. The group analysed the different implementation by participating centres and discussed on possible optimisation of the process. In order to ensure a smooth processing of the monitoring results by the focal point, it was considered necessary provide an ideal sample file that perfectly conforms to the specifications.

Action DMG36-6-3: H.Swinnen will 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.

Action DMG36-6-4: M. Pichler will update the current version of EUR Doc 018 with necessary provisions and examples related to OPMET monitoring.

For the next revisions of the handbook, a deeper look into the specifications may be needed.

The group was also informed that the workbook contained a special form which was intended to gather additional information for the proprietary tools used, which DMG members were invited to fill-in.

Action DMG36-6-5: Monitoring Centres (ROCs) to provide additional information / specific details related to the monitoring tool used by filling-in the provided form.

SWXA

It was noted that contact points for Space Weather Centres have already been obtained, and such the DMG Work Programme need to be updated accordingly (remove action).

IWXXM error types in PHP

As currently there are no real users of IWXXM data, it was considered premature to issue tickets for issues related to IWXXM. As agreed earlier, IWXXM coding error examples will be inserted into the IWXXM WP for METG32.

IP03 SADIS OPMET Catalogue

M. Wagner presented to the group the 2022 version of the OPMET Catalogue, based on the dataset provided by DMG FP (from Feb. 2022 monitoring) and cross-referenced with latest available versions of ICAO Doc 7910 and eANP List of Aerodromes. The new layout of the catalogue was explained. The Catalogue will be produced and forwarded to SADIS MOG once a year and published on the ICAO website.

Regarding the agreed exchanged non-AOP airports OPMET data, it was considered that this list can be easily obtained from the Catalogue, whenever needed in the future.

Agenda Item 8 RODEX

WP03: VA-Advisory Routing in the EUR Region

At previous DMG meetings, there was derived an action on analysing the current VAA distribution process, with the intention to propose an optimisation of that. M. Pichler presented to the group a detailed overview of the current provisions in the applicable ICAO documents: Annex 3, Doc 9766 - Handbook on the International Airways Volcano Watch (IAVW), EUR Doc 7754 (EUR eANP), EUR Doc 018, EUR Doc 019. It was noted that the provisions in Annex 3 and Doc 9766 might support the idea that the advisory centres have to send the advisories directly to the involved entities. In fact, in general the distribution is actually made by the ROCs and not the VAACs (for instance the distribution to ACCs). This is not an efficient way to perform the distribution, and instead (as the EUR eANP is stating) the regional exchange schema should be used. In this respect, a first step would be that each VAACs send the advisory only to the ROC in which AoR those are located. Next, the responsible ROC has to ensure the routing to the other ROCs, IROGs as well as to the NOCs in their AoRs. Further, all ROCs shall also co-ordinate with the NOCs in the AoR that the advisories are only provided to the NOCs, which will be responsible to ensure distribution to any other entity/address in the state.

For that, it was agreed to obtain the current distribution performed by the VAACs to identify any direct routing. Based on that, the ROCs should update their routing table, if necessary and consequently VAACs should stop such direct transmissions.

Action DMG36-8-1: M. Wagner and V. Dupont will contact the VAACs responsible for EUR Region and obtain the current distribution list for the VAAs.

The paper also revealed several incorrect provisions and inconsistencies in EUR Doc 019 – Volcanic Ash Contingency Plan.

Action DMG36-8-2: M. Pichler and C. Keohan (with support from M. Wagner) will update the WP with information from the VAACs and present it to METG32 with a proposal regarding the optimising of VAA distribution and offering DMG support for the update of EUR Documents.

WP11: Status ROC Moscow

The group was informed that the COM-Centre Moscow has completed the upgrading of AMHS infrastructure. However, an outage of the backup channel between COM-Centre Moscow and ROC Moscow did not allow to complete the testing. That will continue and is expected to be successfully completed in July 2022, with intention to have ROC Toulouse and ROC London connected with ROC Moscow in August 2022. Coordination will be carried on by email during the next week (27-30 June) for arranging the tentative dates.

IP04: ROC Moscow Status

The group recalled that in 2020, the Russian Federation replaced former CCCC for METARs/TAFs. For the SIGMET messages issued in the Russian Federation, the process for changing the CCCC implied a set of actions difficult to achieve on such a short time scale. Having in mind the safety impact of such a change comparing to the real benefit resulting from that, the DMG agreed that implementation of ROC Moscow be decoupled from the action of SIGMET headers change. The recommendation to replace the CCCC of SIGMET headers with ICAO location indicators may be addressed by ROC Moscow at a later stage, ensuring that all necessary actions are properly carried on for a safe implementation.

WP07: RODEX Back-up Procedure

M. Pichler presented to the group an update to the paper presented at DMG35. This update included provisions related to inclusion of ROC Moscow. With four ROCs in place, a configuration with two pairs of centres backing up each other was described (ROC London <-> ROC Toulouse and ROC Moscow <-> ROC Vienna).

When discussing the prerequisites for implementing the backup procedure, it was particularly stressed the need that all centres use AFS for the exchange of OPMET. The group was presented an overview of the implementation status in Europe and the ROCs were requested to review the information.

Action DMG36-8-4: ROCs should update the presented status of AFS implementation for OPMET data exchange.

Back-up for national data should not be considered by the procedure. Also, the back-up solutions for NOCs not using AFS will not be addressed.

M. Pichler presented also a new version for testing the procedure, in which only the messages notifying the failure are actually routed (and not the real traffic). This was considered feasible and it was agreed that the corresponding headers be announced via METNO.

Action DMG36-8-5: H. Swinnen will take action to announce via METNO the 4 headers corresponding to each ROC failure notification message.

Action DMG36-8-6: M. Pichler will present the update of the backup procedure (part of Doc. 018) to METG32.

The intention is to perform a first test of the procedure during the Feb. 2023 monitoring, implying distribution of notification messages (NO) only, in order to test whether the routing is in place. Meanwhile, the 4 ROCs should start developing their internal procedures related to back-up.

WP09: Re-launch of RODC

The original RODC document was brought to the attention of the group. There was recalled the initial specification document written in 2016. Then, new ideas related to this project were

presented to the group for consideration, taking into account the new and evolving requirements, especially related to the implementation of SWIM. These new ideas included: maintaining the exchange of the routing tables, hosting of the EUR OPMET catalogue, integration of the METNO workflow within RODC. The group considered that it was worth re-thinking of RODC with these functionalities and possible additional ones, but it was agreed that the project will span over a longer period and therefore there will be a need for this long-term support, in terms of development, hosting and updates. The group considered useful that the project be managed on GitHub, with all benefits for collaborative working, tracking, documentation, source code repository, etc. V. Dupont offered to investigate on the possibility to use an accessible plan for GitHub.

Action DMG36-8-7: H. Swinnen, M. Mezred and V. Dupont will investigate on possible benefits for METNO workflow integration into RODC.

Agenda Item 9 EUR Documents

WP08: Proposal for new iteration of EUR Doc 018

M. Pichler presented to the group the proposals for the update of EUR Doc 018.

Changes on the terminology “provide, issue, supply, disseminate” were applied throughout the document, also taking into account the comments / feed-back received.

For the TAF CNL messages: it was briefly discussed on the examples to be included in Doc 018, whether to have a more extended version (explaining the two different approaches) or to have just the short example, without a specific header, that covers both ways. The decision was to use the latter one. METG will be informed that the procedure is different in the EUR region, but there will be no proposal for a draft decision for EASPG in that respect.

Regarding the timers: 12.2.6 stated that “new”, more strict timers were going to be introduced. As that would lead to additional rejects at the ROCs, the group agreed to remove the par. 12.2.6 entirely.

IWXXM-Monitoring: The group agreed to use the draft, which was reviewed by the software provider of ROC London/NOC Brussels and ROC Vienna. The plan is that the software update will be implemented Q1/Q2 2023, followed by testing the output and to officially use the IWXXM-monitoring the first time during DMG-monitoring in 2024.

Merging Doc 018 and Doc 033: It was agreed by the meeting to do that for the next version, which will be presented to METG/33. Retiring the Doc 033 might take place in 2024, but this is also depending on the global document.

Chapter 5 moved in front as Chapter 3: This was also agreed by the meeting as it is more logical to have information on the AFS before describing how the RODEX works with all its different functions (NOC, ROC,...)

The description on the data exchange should be done only in one place instead of repeating it in several parts. It was agreed to update the entire paper in that respect. Furthermore, it was

planned to have a new appendix or attachment to provide detected IWXXM-errors to users, which might be useful for the development process.

Action DMG36-9-1: M. Pichler will provide a reviewed and a clean version of EUR Doc 018 before METG/32.

Agenda Item 12 Any other business

Working Papers for METG32

WP6 DMG Report

WP7 IWXXM Implementation

WP8 Update to EUR Doc 018

WP9 Status of ROC Moscow

WP10 DMG Warning Monitoring

WP11 VAA Routing in the EUR Region

WP12 EUR eANP vol. III

The DMG Members agreed to provide their inputs to the DMG report before 20th July.

Next meetings:

DMG37: 8-10 November 2022 (on-line)

DMG38: 21-23 March 2023 (ICAO)

DMG39: 20-22 June 2023 (Madrid, TBC).

DMG36 LIST OF ACTIONS

| Id | Action | Responsible | Target date | Resolution / Comments |
|------------|--|---------------------------------------|-------------|---|
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| | 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 | |

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| DMG36-8-1 | Contact the VAACs responsible for EUR Region and obtain the current distribution list for the VAAs | M. Wagner V. Dupont | METG32 | |
| 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) | | |
| DMG36-8-3 | Prepare a draft decision to be presented to METG32 to endorse the establishing of ROC Moscow. | C. Keohan | METG32 | |
| 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 | |