

DMG39 Notes

13-15.06.2023

The DMG39 was held from 13th to 15th June 2023. The meeting was hosted by AEMET in Madrid and 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. 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 13th June 09:30 CET. The agenda of the meeting was presented in WP01 for adoption:

1. **Approval of the Agenda**

WP01 – Agenda (Chair)

2. **Approval of the DMG 38 report & Actions from previous meetings**

Draft Report DMG38 actions list

Status of the actions resulting from DMG/38 (DMG Sec)

3. **Information from other groups**

ICAO

EUR:

From Parent groups: EASPG, PCG, METG

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

Global Groups

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

WMO, TT AvData

EASA & EU

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

WP02 – App B: IWXXM Translation Center Agreements (Chris)

- IWXXM I/R coordination

IP03: Available IWXXM data on SADIS (Matt)

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

Monitoring of OPMET data,

WP06: Prioritization of DMG Focal Point work packages (Wim)

WP07: DMG_OPMET_Monitoring_output_mockup (Herman)

PHP actions or action plans for AOP aerodrome OPMET data

Systematically wrong formatted/coded OPMET data

WP03: PHP Report (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

IP01: EUR Region and SADIS OPMET Catalogue 2023 (Matt)

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;

WP02 - App D: Eur Anp Vol III (Chris)

WP02 – App E: UA reports (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

7. **RODEX**

IP04: Status of ROC Moscow

ROC Back-up procedures/ contingency arrangements

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

WP08: RODEX backup procedure (Michael)

Coordination with other regions

AMHS I/R Gateways and links

8. Revised RODC tool (DMG focal points to meet ½ day prior DMG/39)

- 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

DMG/39 to review and comment on the above and based on results propose changes to DOC 018
- *EUR OPMET data Management Handbook*

WP09: revised RODC (Mohamed and Herman)

9. EUR Documents (outside IWXXM elements)

DOC 014 - *EUR SIGMET & AIRMET Guide*

DOC 018 - *EUR OPMET data Management Handbook*

WP04: Proposed changes for EUR Doc018 (Michael)

DOC 033 - *Guidelines for the Implementation of OPMET Data Exchange using IWXXM in the EUR Region*

WP02 - App C: VACP (Chris)

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

WP05: CONOPS- Transition_AFS2SWIM (Michael)

IP02: Current activities of SESAR Deployment Manager (Michael)

11. DMG Report to METG/33

[WP02: METG33 preparation \(Chris\)](#)

[WP02 – App A: list of docs for METG39 \(Chris\)](#)

12. Next meetings

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

DMG41: 19-21 March 2024 (Paris)

13. Any Other Business

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

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	Action can be closed. Matt continue to regularly producing the catalogue on the basis of the monitoring results.
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	DMG39	A sample with mock-up data (heading + couple of records) will be provided for the next monitoring.
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	Partially discussed by DMG39 IP04. New updates during the next meetings.
DMG37-7-6	Define high-level user stories (use cases) for RODC	Herman	DMG39	DMG39 WP09
DMG38				
DMG38-4-1	Contact NOCs in AoR of ROC Vienna for updated information regarding the translation agreements	Michael	METG	
DMG38-4-2	Investigate in the Warning monitoring results on possible routing problems and take the appropriate actions	4 ROCs	DMG39	
DMG38-4-3	Check the results of the APAC Sigmet monitoring and take actions to correct the routing if necessary	Matt	DMG39	
DMG38-5-1	Work to prioritise the work packages of DMG OPMET Monitoring	Michael Matt Wim Herman	DMG39	DMG39 WP06
DMG37-5-2 DMG38-6-1	Provide to ICAO (CK) the SIGMET and Special AIREP headers monitored in 2023	Michael Wim	DMG39	Wim provided the necessary data. Could be made recurrent task, under DMG Work Programme.

DMG38-7-1	Exercise on the distribution of NO test messages for the back-up procedure	Michael + 4 ROCs	DMG39	DMG39 WP08
DMG38-7-2	Present a technical solution for a revised METNO procedure and RODC.	Herman Mohamed	DMG39	
DMG38-8-1	Review the Doc 018 and provide feed-back	Michael + DMG members	DMG39	DMG39 WP04

Agenda Item 3. Information from other groups

ICAO

PCG (May 2023, Georgia). SCRAG: C. Keohan informed on the changes in the membership. Patrick was replaced by a German representative. A second nomination for the EUR region is expected (possible from Georgia). Next meeting is planned for 29 Nov 2023 (venue to be determined).

PT/EAST: a meeting in 31st May – 1st June this year (virtually, with live translation service). Recommendation for having a SWIM workshop in the future after global provisions become available.

VOLCEX 23: 21st Nov simulation of a volcano eruption in Iceland, large area of contamination, impacting most EUR States. Further details to be reviewed during preparatory meeting that will be held from 9 to 10 October 2023 in Reykjavik, Iceland.

Dirk informed on the reorganising of the work-streams related to SWIM on MIE (during last meeting in Bangkok, May 2023). Workstream 1 – MET SWIM – technical (lead by Dirk); ws 2 – data access policy (lead by NZ); ws 3 - Documentation. Focus on correlation of actions with the ICAO documents in relation with SWIM. It was noted that ASBU block 1 implies the exchange of IWXXM data via AFS, ASBU block 2 implies transmission in parallel via AFS and SWIM, while block 3 implies exchange via SWIM only. As SWIM will not be available globally from the beginning, the exchange via AFS may be extended beyond block 2. Correlation needed to ensure data exchange according to ASBUs. Next meeting – December 2023, Tokyo. Preparations for Annex 3 Amd. 82.

The next METP meeting is scheduled in April 2024.

WMO TT-AvData: information from Dirk. Two new IWXXM releases are expected this year, containing small changes and bug corrections. TT-AvData and MIE will discuss on timelines for new versions, taking into account the time needed to implement these in systems that generate or consume MET data. TT-AvData is working on the transition from legacy products towards data/objects. A first unofficial IWXXM version (IWXXM-SX), in which the legacy packages have been trimmed, is available on the IWXXM github. The new IWXXM schema for observational data will not change the schema for METAR. This will be deprecated at a yet not defined point of time. But it still can be used for old/historical data. TT-AvData welcomes 7 new members which are currently on-boarded.

EUMETNET Task Team on Future SWIM Services: Meeting held in June in Offenbach, aiming to identify what is actually needed to provide according to CP1. It was pointed out the need to change from provision of products to provision of information services. Examples:

- Airport observation data (e.g. 1' interval updates)
- High frequency forecast updates

Details of the outcomes of the meeting will be discussed also during WP05.

EASA: A new MET Expert Team will be implemented, the former group will be disbanded. Applying is possible until 15. June. The goal is to have 15 members. Wim applied on behalf of CANSO.

Agenda Item 4 IWXXM Action Plan

WP02 - App B - IWXXM Translation Services Extension

C. Keohan presented to the meeting the current situation with the translation agreements in place. According to the information available from the surveys, it is expected that 84% of States will provide IWXXM on their own by the end of this year. The new, updated State Letter will be sent late Sep – early October. States will be encouraged to continue their efforts on implementing IWXXM as this service is not intended to continue indefinitely. Furthermore, States that do not implement IWXXM by METG/33 will be proposed to be added to the list of Air Navigation Deficiencies (subject to METG/33 agreement) for consideration by the EASPG/5 in November 2023.

Regarding the translation service provided by ROC Toulouse to States in its AoR:

- Morocco: METARs, TAFs and SIGMETs translated on their own
- Tunisia: METARs produced at source (not translated)
- Malta: METARs produced at source (not translated)
- Algeria: no IWXXM available at this time.

The proposed draft decision was presented to the DMG members and it was agreed on that. There was also agreed that the DMG Report to METG needs to include text reflecting the situation with lack of participation of ROC Toulouse to DMG activities and thus not fulfilling their obligations.

IP03 – Available IWXXM on SADIS

M. Wagner informed the group on the IWXXM data from the EUR/NAT, APAC and the MID regions that was announced to be available on SADIS. All these bulletins were previously announced via METNO procedure and have a TAC equivalent.

No data was yet available from the other Regions. Canadian IWXXM data seem to be produced, but there are no means to make those available to EUR yet.

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

WP06 Prioritisation of DMG FP work packages

Wim recalled to the group that after the retirement of Herman (DMG FP) in March 2024, the allocation of resources from Skeyes to DMG will be significantly reduced. That, correlated to the fact that the DMG FP application is redesigned and will be ported to a new software and hardware platform, imply the sharing of the workload of the DMG FP, together with limiting the number of tasks for the DMG FP to those that need to be developed with the highest priority, in order to ensure the continuity of the DMG main activities.

In this regard, the following WPKGs were proposed to be developed with the highest priority: (1) The WPKGs needed for the routine DMG WPs for METG (for calculation of KPIs for publication in the eANP Vol III, calculation of availability of required OPMET data), (2) the input needed by ROC London in order to produce the MOG/SADIS OPMET catalogue, (3) the WPKGs in support of the Problem Handling Procedure.

For PHP related activities, Matt indicated that the OPMET_eANP_Monitoring022023.xlsx → OPMET_eANP_Monitoring022023 worksheet contains all the necessary data for deriving the catalogue. Nevertheless, it needs a little restructuring, for breaking it down by message type. An example of the reformatted output will be presented at DMG40 (Herman, Wim), with the intention to have the processing ready for the Feb2024 monitoring.

Action DMG39-5-1: Herman and Wim will prepare for DMG40 a restructured OPMET_eANP_Monitoring workbook (4 sheets, one per data type) to be used for PHP related activities.

WP03 - PHP

In continuation of the discussions, in order to illustrate the usage of the input needed from DMG FP regarding the PHP, Matt presented the updated PHP report. The DMG38 WP08 - AFS_SADIS-WIFS_Routine_OPMET_Data file provided by Herman had been used to log the FC, FT and SA bulletins which were required but had not been received by SADIS.

Taking into account the current workload on Matt (for DMG and MIE activities), together with the fact that it is not reasonable to have the same person raising an issue and taking action to solve it, the group proposed to Diego to take over the role of PHP Manager and he accepted. Consequently, the following actions were agreed:

Action DMG39-5-2: Configuration of PHP application to give Diego manager rights.

Action DMG39-5-3: Updates to the ToR to mention Spain taking the role of Problem Handling Manager,

Action DMG39-5-4: Hand-over actions from Matt to Diego (usage examples from extraction from the monitoring results to creation / updating of tickets).

WP07 – DMG OPMET Monitoring Results mockup

With the intention to automate as much as possible the processing by DMG FP of the OPMET Data monitoring result files, the DMG36-6-3 action required to create a mock-up of the output compliant with the specifications in the EUR Doc 018 OPMET Data Management Handbook, Appendix D EUR OPMET Data Monitoring Tool Specification. Herman presented to the group different options of the format for the monitoring results. The group agreed that ideally a common format should be agreed and uniformly used by all monitoring centres, ensuring that way smooth processing of these results by the DMG FP.

The different fields were analysed and the decision was to keep only the ones that are relevant for the purpose of DMG statistics. Therefore, it was decided to remove from the results the

following fields / columns: seqno, channel id, priority and filetype. Regarding the format: it was agreed to not use quotes for the fields. The delimiter: semicolon. Blank fields need not be filled with spaces. The group also agreed to provide the results in one single file per day (routine + non-routine data in same file).

During the meeting, Laurentiu updated the sample / mock-up file according to the above mentioned remarks and that was circulated to the DMG members. The intention would be to implement this new format for the next monitoring exercise (Feb 2024). Also, EUR Doc 018 would need updates in respect with the new specifications.

Action DMG39-5-5: The monitoring centres will take actions to adopt the new format of the monitoring results and use that starting with the next monitoring (Feb 2024).

Action DMG39-5-6: Michael will update the specifications related to the monitoring results in EUR Doc 018.

IP01: EUR Region and SADIS OPMET Catalogue 2023

Matt presented a summary of the annual update to the EUR Region and SADIS OPMET Catalogue. Regarding the addition to the catalogue of the tropical cyclone warnings (WT) – it was decided that these are not needed because they are not OPMET data and therefore will be removed from the catalogue. Minor correction on cover page (WC = Tropical Cyclone SIGMET). The catalogue will be published on the ICAO website.

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

WP02 App. D - EUR ANP vol III

Chris presented the updated EUR ANP Volume III tables, based on February 2023 DMG OPMET monitoring results.

Uzbekistan informed that it had signed the SADIS agreement - will be removed from the deficiencies list in this regard.

Regarding the implementation (ASBU thread elements AMET B0): figures have stabilized. SIGMET availability and format monitoring was also performed, based on the SIGMET data provided by Wim covering a period of 3 months. There were some issues highlighted related to discrepancies between the existing list of headers and the monitored ones. The list of headers was updated accordingly.

Regarding the ASBU thread elements AMET B1 (implementation of IWXXM): 99%. Since METG32, four States did not need a translation service by the associated ROC.

The group was presented the proposed draft Conclusion for METG33.

WP02 App. E - Special AIR Reports

The meeting was invited to review the receipt of special air-reports at Regional OPMET Data Bank (RODB) Brussels for the period beginning 1 January 2023 to 31 March 2023. It was noted

that the total number of monitored reports was double from last monitoring (2019). Nevertheless, there were still 10 States from which no Special AIREP had been received.

Agenda Item 7 RODEX

IP04: Status of ROC Moscow

For the implementation of ROC Moscow back-up in Novosibirsk: tests performed, agreements are in place. Local tests on technology feasibility need to be completed. An update will be presented at DMG40.

Since 2022, WMC/RSMC Moscow generates GRIB2 forecasts and wind/temperature charts are generated based on this data, for the use of the Russian aeronautical offices. SigWx charts are produced by Area Aeronautical Meteorological Centre Novosibirsk.

Regarding the implementation of IWXXM in its AoR, ROC Moscow provides support for the States to generate IWXXM messages at source. An overview of the current IWXXM implementation status, together with the AFS capabilities implemented was presented to the group. It was mentioned that normally, the translation agreements should be done for one year and, if necessary, renewed annually.

Regarding the implementation of the back-up centre, Michael pointed that clarification will be needed with respect to the addressing of messages, such that in case of a failure of ROC Moscow the back-up procedure to ensure the normal functionalities. The possibilities will be presented in an email that Michael will share with all DMG members, for discussion.

Action DMG39-7-1: A WP will be presented at DMG40 by Russian Federation (with support from Michael) regarding the implementation of ROC Moscow Back-up.

MP will also email DMG members to ask for checking the necessary arrangements for implementation of a backup procedure.

WP08: RODEX backup procedure (Michael)

Michael presented revised actions taken for developing and implementing the back-up procedure between ROC Vienna - ROC Moscow and ROC London - ROC Toulouse, respectively. As a real test was still not considered feasible, it was proposed that the testing of the exchange of NO messages be scheduled for 13 July. Results will be gathered from all the NOCs that agree to participate.

Further, regarding the regular test of the procedure, it was mentioned that an agreement between the ROCs need to be reached, including details related to the frequency of testing (monthly?) and the duration (two consecutive days, one single day in a previously announced week, alternative initiation, etc).

WP04: Proposed changes for EUR Doc 018

Michael presented the updated version EUR Doc 018. Several changes suggested by Herman (DMG focal point), were incorporated and also comments/suggestions from Wim (DMG Chair).

Regarding the withdrawal of EUR Doc 033: Chris informed that a PCG Decision was endorsed that requests contributory bodies to review the EUR Documents they are responsible for and to propose updates or, propose retirement or propose to keep the documents without updates as being relevant. That fits well with the intention of retiring the EUR Doc 033, as the merging into EUR Doc 018 was already finalised.

Then the comments in the document were reviewed by the meeting and the document will be revised accordingly by Michael. The updated version of EUR Doc 018 will be circulated to the DMG members for a final review – preferable by Mid July.

WP02 - App C - METG33 WP11 - VACP

Chris presented to the group the main changes of the proposal to update the EUR/NAT VACP:

- Updated examples for VAA and WV SIGMET appropriate for the regions / sub-regions corresponding to the sections in which those were included,
- Updated routing of VA Special AIREPs according to the OPMET data exchange schema (as reflected in EUR Doc 018), and
- Updated Flight levels in VA Special AIREPs to be compliant with Annex 3.

A Draft Conclusion will present the updated document to METG33 for endorsement.

IP02: Current activities of SESAR Deployment Manager

Michael presented to the group the current status of SWIM MET services implementation. There were only 5 providers that had published MET SWIM services on the EUR SWIM Registry. The users of these services is also very limited.

The group was informed that CINEA was to initiate a new CEF-Call in autumn 2023. A workshop was held in April 2023 on this subject, followed by another one on 1st June, dedicated to MET SWIM.

The group was informed on the discussions held during the 3rd meeting of MET3SG in April, where a table was derived to include the services to be provided, categorised as Mandatory, Preferable or Aspirational. Regarding the SWIM service definition, it was mentioned that there is still a lot of work to be done and in that respect, MET3SG established a task team for designing the service architecture. The service definition will be addressed during the next week workshop (19-20 June) of the task team. The outcome will be a blue-print document endorsed by MET3SG (Eurocontrol) specifying details on what and how need to be developed / provided.

The DMG members discussed on the CP1 requirements and the mandatory services that need to be provided and consumed. Particularly, it was discussed whether, for example, the provision of a METAR service (as a minimum) would fulfil the requirement for the Aerodrome Observation Information Service in CP1. The opinion of the group was that it would be of little use to try to implement a METAR/TAF/SIGMET service, as all users are already served with this information via AFS. It would be advisable to wait for the outcomes of the MET3SG discussions and its task team on SWIM Service Definition. However the IWXXM version that could be used for implementing services with high resolution data is only in a first stage of development by TT-AvData. The further development of IWXXM could be driven by the outcomes of this MET3SG SWIM service definition Task team.

WP05 CONOPS Transition AFS2SWIM

Michael presented the paper which is intended to be used as a starting point for the discussion on how dedicated centres, like a ROC, could be utilized in the transition from the OPMET-data exchange via AFS to SWIM. There were presented three scenarios when the ROCs/RODBs can play a role, as an intermediate solution, in the transition process from the current OPMET-data exchange to SWIM.

It was noted that no concrete or explicit indication comes from ICAO on the usage of the current functions of RODBs and ROCs for SWIM implementation. The exchange of IWXXM data using AFS is indicated instead.

It was considered that the input from MET3SG would be very beneficial, but similar guidance is still needed from global ICAO groups – WG MIE.

An item will be added to the DMG workplan, to follow closely the work of MET3SG and MIE, in order to investigate the possible future role of ROCs and RODBs as potential “one stop shop” SWIM brokers.

WP09 – RODC EUR METNO Procedure

The group was recalled the decision taken during previous meetings to restructure the RODC application and the activities of the DMG FP, that including the assimilation of the EUR METNO Procedure into the RODC functions. Herman presented to the group the activities undertaken so far in cooperation with Mohamed. During a dedicated meeting held in Madrid on 12th June (prior to DMG39), they managed to draft a new DMG METNO concept. That was based on porting the existing databases to a new format (PostgreSQL) to be hosted by the Internet Microsoft Azure Cloud (Skeyes), and giving Mohamed and , if required, other DMG members read/write access to the DB tables. It should automatise to the maximum extent the current functionalities, by making available to the users a web interface, hosted by Météo Algérie, for introducing the changes, and which would imply the automatic distribution of the NO messages via email instead of AFS. This web interface should be easy to use and intuitive, in such a way that the user would not need to know the current syntax of the associated METNO

messages. In addition, extensive validation of introduced data should be ensured (e.g. updates should be permitted for existing data only; new data may be introduced only if it not already exists in the Catalogue; location indicators need to be valid; etc).

Regarding this verification for valid location indicators, it was noted that that needs to be done against the ICAO Doc 7910, and in this respect there will be a need for more frequent updates of this document into the database. It was agreed to check with ICAO Montreal for the possibility of a 3 month update interval (quarterly instead of yearly).

Action 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.

Action DMG39-9-2: A demonstration of the RODC / METNO application will be presented at DMG40.

Agenda Item 11 DMG Report to METG33

WP09 – METG33 preparation / list of docs for METG33

- The following DMG papers will be provided for METG33: DMG report (WP6)
- IWXXM implementation(WP7)
- IWXXM Translation Service Extension (WP8)
- Update of EUR Doc18 (WP9)
- DMG Warning monitoring (WP10)
- VA Advisory routing (WP11)
- EUR ANP Vol III – AMET B0 & B1 (WP12)
- Special Air-Report monitoring (WP14)

The deadline for providing METG33 papers is 30 August.

A draft DMG to METG33 report was discussed, together with the proposed changes for the DMG work programme and TORs. Wim will send this draft report to the DMG members, where it is indicated who is expected to provide input for which sections. This input should be sent, by preference as separate pieces of text to Wim and Michael. Once the report has a more mature shape, it will also be shared via the DMG MS SPACE.

Agenda Item 12 Next meetings:

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

DMG41: 18-22 March 2024 Paris

DMG42: 18-20 June 2024 Offenbach

Agenda Item 13 Any other business

DMG39 LIST OF ACTIONS

Id	Action	Responsible	Target date	Resolution / Comments
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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	Partially discussed by DMG39 IP04. New updates during the next meetings.
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	

DMG39-5-2	Configuration of PHP application to give Diego manager rights.	Herman Wim	DMG40	
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	DMG40	
<u>DMG39-5-5</u>	Adopt the new format of the monitoring results and use that starting with the next monitoring (Feb 2024).	The monitoring centres	DMG41	
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	
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	
DMG39-9-2	A demonstration of the RODC / METNO application will be presented at DMG40.	Herman Mohamed	DMG40	

