

REPORT OF THE DATA MANAGEMENT GROUP

TWENTYEIGHTH MEETING

(Brussels, 15-17 October 2019)

The twenty-eighth meeting of the Data Management Group was held from 15 to 17 October 2019 in the premises of Skeyes - Brussels, and was attended by the following participants:

List of participants

Mr. Mohamed Mezred	Algeria
Mr. Michael Pichler	Austria
Mr. Wim Demol	Belgium (vice-Chairman)
Mr. Herman Swinnen	Belgium
Mr. Per Moeller Jensen	Denmark
Mr. Patrick Simon	France (Chairman)
Mr. Laurent Marty	France
Mr. Christopher Keohan	ICAO Paris
Mr. Laurentiu Brojboiu	Romania (Secretary)
Mr. Sergei Grabko	Russian Federation
Mr. Vladimir Tsukanov	Russian Federation
Mr. Gamaiak Vareldzhian	Russian Federation
Mr. Vadim Panteleev	Russian Federation
Mr. Matthew Wagner	United Kingdom

Agenda Item 1: Adoption of the provisional agenda

The group discussed on the provisional agenda and adopted it as follows:

1. Approval of the Agenda

- WP01 – Agenda

2. Approval of the DMG 27 report & Actions from previous meetings

Draft Report DMG27& DMG27 actions list

3. Information from other groups

ICAO

EUR:

From Parent groups: EASPG, COG, METG, (SWIM PT/under agenda 10)

- Presentation/1 METG/29 outcomes - (ICAO)

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

Global Groups: WG-MIE, MOG/SADIS, IMP, METP

WMO

TT AvXML

4. TC SIGMET in the EUR region

Support the investigation of requiring SIGMET on Tropical Cyclone production and dissemination for some FIRs in the EUR region in coordination with WMO, IFALPA, IATA and States and propose update of the EUR documentation, as necessary.

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) – IWXXM Implementation Workshop planned for 5 to 6 Nov 2019 at ICAO Paris.
- testing AMHS
- EUR procedures & DOC018

- WP/02 IWXXM capabilities & AMC website - (UK)
- WP/03 ROC London and IWXXM status and testing - (UK)

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

DOC 018 (EUR OPMET Handbook) & IWXXM

Status of translation centre agreements for IWXXM

6. OPMET Data Monitoring results, action plans & PHP

Monitoring of OPMET data for AOP aerodromes, following PHP actions or action plans

Systematically wrong formatted/coded OPMET data
 Addition of TC SIGMET to be evaluated
 Routing problems
 Missing data

- IP/01 UUUJ Routine OPMET monitoring
- WP/04 PHP report - (UK)

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

Co-ordinate with Space Weather Advisory Centres to obtain a possible participation at the DMG Warning Monitoring Exercises.

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;

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

8. Creation of a 4th ROC

Finalize the Work Package (transition plan) for the creation of a ROC in Moscow and fulfil the defined actions;

Set up Work Packages for the States to be part of the Area of Responsibility of a ROC Moscow, based on their replies to the ICAO letter.

Present a consolidated WP that informs about the status of the transition and possible outstanding actions for states in the area of responsibility of possible new ROC Moscow.

9. RODEX

ROC Back-up procedures/ contingency arrangements

Coordination with other regions

- WP/05 & Presentation/02 - Harmonize the EUR OPMET Data Update Procedure and METNOs with other ICAO Regions – (Belgium)

RODC

10. EUR Documents

DOC014 SIGMET & AIRMET dissemination
DOC018 Handbook (outside IWXXM under Agenda 5)

Harmonization of the EUR and APAC OPMET Update procedures and consequential updates of EUR Doc18.

11. SWIM

Follow SWIM developments from WG/MIE and EUR SWIM PT and assist in deriving an implementation plan in the EUR region for SWIM

SWIM Plan

- ROC plans
- RODBs plans
- coordination with other regions
- EUR procedures & DOC018

12. Next meetings

DMG 29: March 2020, Bergen, Norway
DMG 30: June 2020, Kazan , RF
DMG 31: October 2020 , Bucharest, Romania (TBC)

13. AOB

Agenda Item 2

Adoption of DMG27 Report

The group reviewed the DMG27 report. The comments and updates were considered and included into the final report, which was approved by the members.

Actions from the previous meetings

The group reviewed the status of the actions established at the DMG27 meeting. The completed tasks were erased from the list (highlighted in yellow; see comments).

List of actions resulted after DMG27

Id	Action	Responsible	Target date
	DMG22		

DMG22-8-2	Clarify with the National AMHS Centre the issues related to the implementation of the backup procedure (responsibilities, time schedule, etc)	P. Simon	DMG28
	DMG24		
DMG24-3-4	Inform DMG25 on the status of implementation of 24-hour TAF for UTDD by Tajikistan	Russian Federation	DMG28
	DMG25		
DMG25-5-1	Assess the best way of determining the transit time of a message through the network	M. Pichler	DMG/28
DMG25-8-6	Agree on the format of the routing tables and the frequency of updates and will start exchanging the tables	ROCs	DMG26
	DMG26		
DMG26-2-1	C. Keohan will clean-up the known errors from table GEN I-1 in eANP vol. I and provide it to H. Swinnen to use it as a reference against the monitored usage of FIR names in SIGMET messages. The differences will be updated in the table related to SIGMET format in eANP vol. III and the States concerned will be informed to address the issues.	C. Keohan H. Swinnen	DMG27
DMG26-4-2	The ROCs will regularly inform ICAO on the necessary updates to the current status of implementation of IWXXM exchange in their AoR	ROCs	Permanent
DMG26-5-3	Analyze the warning monitoring results of the Feb 2019 exercise and take appropriate actions to solve the routing problems within their AoR	ROCs	DMG27
DMG26-5-9	Use of Feb 2019 Monitoring Work-packages to verify whether data coming from their area of responsibility are correctly registered according to the procedure.	ROCs	
	DMG27		
DMG27-2-1	Contact AST Task Force to clarify which coordination is needed on the foreseeable increase in data volume exchange in relation with introduction of IWXXM.	DMG	
DMG27-2-2	Check with AST TF whether they could investigate with the other regions on the (extended) AMHS availability, or the existence of corresponding implementation plans.	DMG	
DMG27-4-1	Review and update the IWXXM presentations, in preparation of IWXXM workshop in Nov 2019	DMG	
DMG27-5-1	Check with the MOG on the possibility to have an official reference document providing information about the ICAO region of each location entry in Doc 7910.	UK France	
DMG27-5-2	Paper to be presented at METG29 showing the current version and structure of the catalogue and highlighting the spotted issues related to reference documentation used. The paper will also include information on the frequency of updates to the catalogue and the place where it will be published.	M. Wagner H. Swinnen	METG29

Regarding action DMG25-5-1, it was mentioned that the monitoring tool specifications should include provisions related to monitoring of IWXXM data. This will be addressed under Agenda item 5 – IWXXM Action plan.

Regarding action DMG25-8-6, the three ROCs agreed on the format for the exchange of the routing tables, implying one header corresponding to one distribution address. Details will be covered under agenda item 9 – ROC Back-up procedure.

Actions DMG27-2-1, DMG27-2-2 and DMG27-4-1 were merged into one single action, to be addressed during the IWXXM workshop (ICAO Paris RO, October 2019).

Action DMG28-2-1: The Rapporteur of the AFS Planning Group will be contacted during the ICAO IWXXM Workshop (Nov 2019) to establish necessary coordination regarding the predicted increase of data volume exchange due to IWXXM implementation, and regarding the current status of AMHS implementation in other ICAO regions.

Agenda Item 3: Information from other groups

METG29

C. Keohan made a detailed presentation of the outcomes from the METG29 meeting (Sep 2019). Some of the subjects with importance for the DMG activities were highlighted:

- Implementation of SIGMET on TC
- Updates to EUR Doc 014, Doc 018 and Doc 033 (Draft COG Conclusions waiting for approval next week. Updated versions will be published by 1st Nov).
- Special AIREP exchange
- New ROC Moscow (Draft EASPG Conclusion, waiting for approval, 1st week of December)
- Space Weather Advisories dissemination (Draft EASPG Conclusion)
- EUR eANP vol. III MET updates (Draft EASPG Conclusion)

MET Knowledge Network

W. Demol informed the group about the meeting of the MET Knowledge Network group, which took place at beginning of October in Eurocontrol premises. The main objectives of the meeting were to share information between the European METP members and other European stakeholders, and where possible to agree a common European position and/or strategy to take to METP and its constituent working groups.

At the same time, to engage with those stakeholders wishing to have greater insight on these topics and to offer them a forum to express their views. Some topics identified as priorities were:

- RHWAC (WG-MISD)
- MET Requirements (WG-MRI)
- Special Air Reports
- MET SWIM Plan (WG-MIE)
- GA / low level forecasts

It is expected that the MET Knowledge Network will continue its activity with meetings held every 6 months.

Agenda Item 4: TC SIGMET in the EUR region

C. Keohan informed the group that METG29 had tasked an ad-hoc group to investigate whether or not SIGMET on tropical cyclone should be issued in some parts of the ICAO EUR Region. Actions include: ICAO, WMO, IATA and IFALPA determine if there is a requirement for issuing SIGMET on tropical cyclones in the ICAO EUR Region (e.g. based on the extent of tropical cyclone paths – historically, and could include border FIRs, due to climate change that could result in extending the current limit of cyclone paths); results of above be provided to States of ad-hoc group for comment; if WC SIGMET deemed a requirement – ICAO and WMO verify that Tropical Cyclone Advisory Centres (TCAC) Miami and Tokyo send the advisories to the appropriate Regional OPMET Centres (ROCs).

Action DMG28-4-1: P. Simon will contact the TCACs to obtain the header used for the TCAs and provide the obtained list to the other ROCs by the end of 2019.

In order to ensure the proper distribution of the tropical cyclone advisory messages, DMG will verify the reception as well as distribution to the National OPMET Centres (NOCs) and Meteorological Watch Offices (MWOs) in their area of responsibility.

Action DMG28-4-2: The 3 ROCs will verify that the TCA messages are correctly received and distributed further within their corresponding AoR.

The results will be discussed during DMG29. Based on these, DMG will further verify that WC SIGMETs are available at Regional OPMET Data Banks (RODBs) and SADIS; DMG will consider including TCA headers in EUR Doc 018; DMG will consider including TC-SIGMETs and advisories in the Warning Monitoring Exercise; ICAO provide proposed changes associated with this requirement of the EUR ANP Volumes I and II; ICAO inform the SIGMET ad-hoc group to review relevant information in EUR Doc 014 in light of the above.

At DMG30, a paper will be prepared to include the conclusions, with the intention to be presented to METG30.

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

IP01 – UUUJ Routine OPMET Data Monitoring

On 10th October 2019, NOC Moscow switched from using the CCCC in the AHL from RUMS to UUUJ. The change was previously announced via the METNO procedure. H. Swinnen presented to the group the results of a monitoring performed for TAC OPMET data at EBBR on that date, focused on the UUUJ TAC bulletins. The results were explained to the group members and it clearly depicted the successful switch performed at 11:00 UTC. M. Pichler confirmed as well the smooth transition recorded by ROC Vienna (initially, there were recorded small complaints regarding the availability of Russian data on the NOAA website; after co-ordination by ROC London this has been corrected).

WP04 – PHP Report

M. Wagner presented to the group an update of the PHP activities recorded since DMG27. Details were presented for the tickets logged or set to "Wait". It was noted that further progress was achieved for some tickets since the report had been elaborated. The ROCs agreed to check the status and take appropriate actions.

Action DMG28-6-1: The ROCs will check the status of the current PHP tickets and take appropriate actions by the end of Nov. 2019.

There was an agreement on an updated list of PHP accounts. Skeyes will create and /or update accounts where necessary.

Database for agreed exchanged non-AOP airports OPMET data

The group agreed once again that one single OPMET catalogue would be produced in the future. That will be based on the results of the yearly monitoring performed by DMG and compiled by the DMG Focal Point, plus additional changes announced via the METNO procedure.

Regarding the SADIS User Guide Annex 2 (report oriented), it was noted the necessity to align the requirements with the provisions in the eANP MET II-2. H. Swinnen mentioned the need for up-to-date information of the different eANPs for Volume II, MET Table II-2, ideally in a format that can be used for automatic import into a database.

Action DMG28-6-2: H. Swinnen will import into the SUG An.2 the requirement status of SA/FC/FT data, as stated in the EUR eANP Table MET II-2.

The status will be represented by: Y (AOP, required), N (AOP, not required) or blank (non-AOP, not required).

Action DMG28-6-3: M. Wagner will prepare an information paper to describe the structure and the update process of the OPMET Catalogue, to be presented to the next MOG SADIS meeting.

Co-ordinate with Space Weather Advisory Centres to obtain a possible participation at the DMG Warning Monitoring Exercises

The group was informed on the monitoring exercises currently in place regarding the distribution of space weather advisories. There were noted the positive results and the group proposed that the monitoring to be combined with the annual OPMET monitoring instead (not a separate day, but same day with FV and WV monitoring). The following actions were concluded:

Action DMG28-6-4: P. Simon will address Stephanie Desbios (METP, Meteo France) with the proposal to involve the SWAC in the annual monitoring exercise of DMG.

Action DMG28-6-5: M. Pichler will inform the States on the space weather advisories monitoring results and will propose the States that already confirmed the reception to stop providing results continuously.

States that have not yet confirmed the reception of all four headers will be encouraged to keep monitoring and reporting until the correct routing is in place.

OPMET Centres will be informed in due time that SWXA will be part of the yearly Warning Monitoring Exercise.

Agenda Item 5 – IWXXM Action Plan

IWXXM Monitoring

The group recalled the previous work on identifying what needs to be captured during IWXXM monitoring (action DMG25-5-1), and the need on updating the monitoring tool specifications in order to include provisions related to monitoring of IWXXM data. It was agreed that an update of these findings be refined and presented to DMG29.

Action DMG28-5-1: M. Pichler, H. Swinnen and W. Demol will present a WP at DMG29 with description of elements required to be captured during the IWXXM monitoring.

The Russian Federation delegates will inform the members whether they could support the above task.

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

Regarding the performance indices, the group appreciated the way of representing the results as in the web application developed by ROC London. M. Wagner confirmed that it will be continued the availability of this tool for the future work.

Regarding the stage of implementation of IWXXM data exchange, it was mentioned that recently Armenia, Kazakhstan, Kyrgyzstan, Russian Federation and Tajikistan started producing and distributing IWXXM data. Many other European States are expected to implement this by the end of the year.

Action DMG28-6-1: Russian Federation will coordinate with H. Swinnen to issue the necessary METNO messages to announce the availability of IWXXM data according to the update procedure.

Agenda Item 8: Creation of ROC Moscow

The group took note on the progress on prerequisites needed for the establishment of ROC Moscow. These included:

- implementation of AMHS with extended (FTBP) support is completed
- AMHS link with ROC Vienna is operational
- CCCC for Russian bulletins already changed from RUMS to UUUJ
- IWXXM tests – messages are checked on a regular basis for correctness by ROC Vienna. RODB Brussels is also monitoring. Issues with coding were addressed or on the way to be solved)
- NOC Moscow informed that it translates TAC data from Belarus into IWXXM. The bulletins will be announced with the next METNO

It was mentioned that the Draft EASPG01 Conclusion on agreement for creation of ROC Moscow was waiting for approval (first week of December 2019). Subject to this approval, the following tasks need to be done:

- The State Letter will be sent to PT/EAST States that need to express their option to move to ROC Moscow or remain under ROC Vienna area of responsibility. Responses are expected before 1 Feb 2020.
- States who opted for ROC Moscow will be asked to nominate a focal point for the transition.
- Draft versions of the Work Packages were prepared by the WPkg Manager and already provided to DMG. The Russian Federation will co-ordinate with the WorkPackage Manager for every centre and will send those to the designated focal points for review and implementation.

With respect to the requirement for 24/7 message validation (as provided in EUR Doc 018), the following action was agreed:

Action DMG28-8-1: Russian Federation will prepare for DMG29 a study note to present the current status of the relevant procedures in place for the operators and their alignment with EUR Doc018.

Regarding the participation to the monitoring, the group considered necessary to test the monitoring procedure used by Moscow and verify whether the results are in line with the monitoring tool specifications. The following action was concluded:

Action DMG28-8-2: Russian Federation will provide results of a test monitoring, before Feb 2020. H. Swinnen, M. Pichler, L. Brojboiu will verify how the results comply with the specifications of the monitoring tool.

Action DMG28-8-3: Provided the results are satisfactory, it is expected that Russian Federation will participate to Feb 2020 annual OPMET monitoring.

M. Pichler informed the group that the current data flow Moscow – Prague – Vienna will be soon replaced by the normal distribution Moscow – Vienna – Prague.

Agenda Item 9: RODEX

RODEX Back-up Procedure

In preparation of the back-up procedure, the group discussed about the exchange of the routing tables between the 3 ROCs, as a necessary action for planning the procedure. The format of the routing tables was agreed by the ROCs to be of the form “one address <-> one header”, the same as described in EUR Doc 018. The ROCs agreed further to exchange the routing tables in the agreed format in the next period.

There was also briefly discussed about the exchange of the routing tables containing AMHS addresses. M. Pichler will present to the next DMG an opinion on the subject.

Action DMG28-9-0: M. Pichler will present at DMG29 an opinion on exchanging AMHS-based routing tables.

Furthermore it was discussed whether to include local addresses as those could be supplied as long as the COM-Centre is working.

P. Simon informed he will investigate the possibility to set-up the back-up routing at ROC Toulouse and will present the results to DMG29.

Action DMG28-9-1: P. Simon will investigate on applying the back-up routing at ROC Toulouse and inform DMG at DMG29 meeting.

M. Wagner informed the group that ROC London will upgrade the AMHS links and would ensure full support of FTBP around end January 2020.

The group considered that when the above mentioned actions are completed, a reduced test between the 3 ROCs could be performed, on their test systems. M. Pichler will distribute the details of the reduced test procedure, which is planned for February 2020 in order to present the results to DMG29.

Action DMG28-9-2: M. Pichler will distribute the details of a reduced test of the back-up procedure. The test will be performed by the 3 ROCs using their test systems during Feb 2020 and the results will be presented to DMG29.

WP05 - Harmonisation of OPMET Update Procedures and METNOs between ICAO Regions

H. Swinnen presented to the group a detailed description of the necessary actions related to interregional coordination on the notification of OPMET data dissemination. He highlighted the reference documents standing behind, the benefits of harmonisation and described a scenario for starting-up synchronization of EUR – APAC METNO procedures. A PowerPoint presentation was also provided with the role to be used for addressing the issue to other regions or appropriate involved bodies.

The group discussed about the paper content and agreed that:

- the current OPMET catalogue derived in the EUR Region it is already available can be used for the purpose of harmonization with any other region
- as ASIA/PAC uses a similar procedure, to contact representatives of that region in order to agree on the principles and structure of the messages
- to establish a date for the exchange of METNO messages (proposal: one week before the AIRAC date)
- the procedures will cover only the AOP and agreed non-AOP international distribution
- the headers to be used for the METNO messages need to be agreed
- the common procedure should contain only the METNO statements considered important for routing purposes. Each region could decide to add extra optional statements for its internal usage (e.g. DELTIM, NEWTIM) which may be easily disregarded by the other regions

It was agreed that ASIA/PAC representatives will be contacted during the next MIE meeting (last week of October 2019).

Action DMG28-9-3: P. Simon will contact Tim Hailes (BoM Australia) during MIE meeting about harmonization of notification procedures regarding OPMET data dissemination.

H. Swinnen stressed the importance to start with a “clean sheet” of OPMET data dissemination in the EUR Region. For that it will be need to resolve the situations for registered but not monitored data and for data not registered but monitored.

Action DMG28-9-4: ROCs will verify with States in their AoR for data monitored but not registered and registered but not monitored.

Agenda Item 10 – EUR Documents

Review of Doc 014 - EUR SIGMET/AIRMET Guide

W. Demol provided the update of the EUR Doc 014 related to the national distribution of SIGMET/AIRMET messages (via NOC) to national users. The document will be published on the ICAO website by the end of October.

Once the document is approved and published, the document will be reviewed with regard to the IWXXM provisions.

Action DMG28-10-1: W. Demol will check/update the EUR Doc 014 related to the IWXXM provisions and present the updated version at DMG29.

Review of Doc 018

Action DMG28-10-2: M. Pichler will provide the “clean” version (with changes incorporated) of the Handbook to ICAO Paris for publication on their website by the end of October.

Agenda Item 11: SWIM

L. Marty offered to the group a detailed presentation on the current activities performed by Meteo France in implementation of SWIM services, in line with the SESAR policy.

Agenda Item 12: Next DMG Meetings

Dates and location of the next meetings

DMG29: 10-12 March 2020, Bergen, Norway

DMG30: 16-18 June 2020, Kazan, Russian Federation

DMG31: October 2020, Bucharest, Romania

Agenda Item 5 – IWXXM Action Plan (contd).

WP 2 - IWXXM / FTBP Status on AMC Website

M. Wagner informed the group about the AMC website - a central database used to store AFS user's information and to Coordinate network changes made by states. It was mentioned that a new page is intended to inform on the States intention to implement AMHS. The group was questioned whether it considers appropriate to publish IWXXM implementation information as well. The DMG members considered that the current page informing on the FTBP capabilities is sufficient, and with regard to the IWXXM implementation it was considered that the current status of implementation was already presented in the tables of eANP vol. III and as such no additional page was deemed necessary.

WP 3 - ROC London and IWXXM status and testing

M. Wagner provided the DMG with an update on the status of IWXXM capabilities at ROC London. The upgrade of the COREMET system is on-going, and the completed FAT tests confirmed that the requirements for ROC London to provide a full IWXXM were fulfilled. The new build is planned to be moved on to COREMET Ops in January 2020. Once all operations are working as expected, the NOC translation (currently being under taken by ROC Toulouse) will move to the ROC London. The 2 ROCs will coordinate to agree on a date to effectively perform the transition. Meanwhile, it will be checked whether new Letters of Agreement need to be established for the translations performed by ROC London.

The three ROCs informed that during first half of 2020 will implement IWXXM version 3.0.

IWXXM Implementation Workshop in the EUR Region

C. Keohan presented to the group details related to the IWXXM Implementation workshop planned to take place at the ICAO EUR/NAT RO Paris, 5-6 November 2019. Based on the agenda of the meeting, the group discussed on the presentations needed to be prepared by the DMG members and the corresponding tasks were assigned to the participants. These tasks can be found in the Appendix.

Agenda Item 12: Any Other Business

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List of actions resulted after DMG28

Id	Action	Responsible	Target date
	DMG25		
DMG25-5-1	Assess the best way of determining the transit time of a message through the network	M. Pichler	DMG/28
	DMG26		
DMG26-2-1	C. Keohan will clean-up the known errors from table GEN I-1 in eANP vol. I and provide it to H. Swinnen to use it as a reference against the monitored usage of FIR names in SIGMET messages. The differences will be updated in the table related to SIGMET format in eANP vol. III and the States concerned will be informed to address the issues.	C. Keohan H. Swinnen	DMG27
DMG26-4-2	The ROCs will regularly inform ICAO on the necessary updates to the current status of implementation of IWXXM exchange in their AoR	ROCs	Permanent
	DMG27		
DMG27-2-1	Contact AST Task Force to clarify which coordination is needed on the foreseeable increase in data volume exchange in relation with introduction of IWXXM.	DMG	
DMG27-2-2	Check with AST TF whether they could investigate with the other regions on the (extended) AMHS availability, or the existence of corresponding implementation plans.	DMG	
DMG27-4-1	Review and update the IWXXM presentations, in preparation of IWXXM workshop in Nov 2019	DMG	
DMG27-5-1	Check with the MOG on the possibility to have an official reference document providing information about the ICAO region of each location entry in Doc 7910.	UK France	
	DMG28		
DMG28-2-1	The Rapporteur of the AFS PG will be contacted during the ICAO IWXXM Workshop to establish necessary coordination regarding the predicted increase of data volume exchange due to IWXXM implementation, and regarding the current status of AMHS implementation in other ICAO regions	P. Simon	Nov. 2019
DMG28-4-1	Contact the TCACs to obtain the header used for the TCAs and provide the obtained list to the other ROCs.	P. Simon	End 2019
DMG28-4-2	Verify that the TCA messages are correctly received and distributed further within their corresponding AoR	The 3 ROCs	DMG29
DMG28-6-1	Check the status of the current PHP tickets and take appropriate actions	The ROCs	Nov. 2019
DMG28-6-2	Import into the SUG An.2 the requirement status of SA/FC/FT data, as stated in the EUR eANP Table MET II-2	H. Swinnen	Feb 2020
DMG28-6-3	Prepare an IP to describe the structure and the update process of the OPMET Catalogue, to be presented to the next MOG SADIS meeting	M. Wagner	
DMG28-6-4	Address Stephanie Desbios (METP, Meteo France) with the proposal to involve the SWAC in the annual monitoring exercise of DMG	P. Simon	
DMG28-6-5	Inform States on the space weather advisories monitoring results and will propose to stop the current monitoring	M. Pichler	end 2019

DMG28-5-1	Present a WP with description of elements required to be captured during the IWXXM monitoring	M. Pichler H. Swinnen W. Demol	DMG29
DMG28-6-1	Coordinate to issue the necessary METNO messages to announce the availability of IWXXM data according to the update procedure.	Russian Federation H. Swinnen	DMG29
DMG28-8-1	Prepare a study note to present the current status of the relevant procedures in place for the operators and their alignment with EUR Doc018	Russian Federation	DMG29
DMG28-8-2	Russian Federation will provide results of a test monitoring, before Feb 2020. will verify how the results comply with the specifications of the monitoring tool	Russian Fed. H. Swinnen M. Pichler L. Brojboiu	Feb 2020
DMG28-8-3	Participate to Feb 2020 annual OPMET monitoring	Russian Federation	Feb 2020
DMG28-9-1	Investigate on applying the back-up routing at ROC Toulouse	P. Simon	DMG29
DMG28-9-2	Distribute the details of a reduced test of the back-up procedure, to be performed by the 3 ROCs using their test systems during Feb 2020 and the results will be presented to DMG29	M. Pichler	Feb 2020
DMG28-9-3	Contact Tim Hailes (BoM Australia) during MIE meeting about harmonization of notification procedures regarding OPMET data dissemination	P. Simon	
DMG28-9-4	Verify with States in their AoR for data monitored but not registered and registered but not monitored	ROCs	DMG29
DMG28-10-1	Provide the update of the EUR Doc 014 related to the IWXXM provisions for SIGMET/AIRMET	W. Demol	DMG29
DMG28-10-2	Provide the "clean" version (changes incorporated) of the Handbook to ICAO Paris for publication on their website	M. Pichler	Oct 2019

Appendix

ICAO Meteorological Information Exchange Model (IWXXM) Implementation Workshop

5 to 6 November 2019

ICAO EUR/NAT Regional Office, Paris

Draft Provisional Agenda

5 November 2019		
Time	Item	Lead
0900-0930	Registration	--
0930	Welcome and opening of the meeting , including: <ul style="list-style-type: none"> Purpose and conduct of the Workshop; Tour de table; and Adoption of the provisional agenda. 	Secretary
0945	Background information , including: <ul style="list-style-type: none"> IWXXM in context of SWIM & ICAO IWXXM Implementation & Assimilation ICAO high-level IWXXM implementation developments (including WMO developments, MET Panel Working Group on Meteorological Information Exchange (METP WG-MIE) and Information Management Panel (IMP)); Overview of MET Panel (METP) and Information Management Panel (IMP) Groups; 	ICAO (CK & AN & APAC) ✓ WMO/MIE (PS&CK) (?) WG-MIE and IMP members (PS)
1030	Coffee break	--
1045	Background information , including: <ul style="list-style-type: none"> Overview of <i>Guidelines for the Implementation of OPMET Data Exchange using IWXXM in the EUR Region</i> (EUR Doc 033); Overview of Appendix H of the <i>EUR AMHS Manual</i> (EUR Doc 020) 	DMG (MP) DMG & AST TF (Anna)
1200	Lunch	--
1330	Background information , including: <ul style="list-style-type: none"> Steps on IWXXM implementation; Bilateral testing 	DMG (WD) (MP)
1515	Coffee Break	--
1530	Status of IWXXM implementation including the use of extended AMHS: <ul style="list-style-type: none"> Regional OPMET Centres (ROC); 	DMG (CK – survey results & B1-AMET impl –

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	<ul style="list-style-type: none"> Regional OPMET Data Banks (RODB); National OPMET Centres (NOC); and Translation agreements 	AIRAC cycle updates & website translation agreements) ✓
1615 - 1645	IWXXM implementation challenges and potential solutions: <ul style="list-style-type: none"> Within the EUR Region and inter-regionally 	All (send doc to DMG)

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Time	Item	Lead
0930	Recap of previous day	ICAO
0945	IWXXM implementation <ul style="list-style-type: none"> Implementation survey results Input from States on updated plans Further assistance needed Future plans Industry 	All (em Au, Be presentations to DMG & France may provide a presentation on their experience) IBL
1030	<i>Coffee break</i>	--
1045	IWXXM implementation (continued) Other developments (status of AIRM, AIXM, FIXM)	All ICAO (check with AN)
1200	<i>Lunch</i>	--
1330	Inter-regional OPMET Gateways coordination (e.g. bilateral testing , harmonization of METNO procedures; e.g. COM Charts – AMHS from MID and EUR (MP check with Jeddah on exchanging IWXXM with Jeddah; AFI and EUR))	IROGs (PS – update on METNO Procedures)
1515	<i>Coffee Break</i>	
1530 - 1630	Any other business Conclusions	All (CK email participants if they have concerns / issues that can be addressed by experts in the workshop – also if there is any interest to provide a presentation, you are welcome to do so)

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Time	Item	Lead
		ICAO