REPORT OF THE DATA MANAGEMENT GROUP

TWENTYFIFTH MEETING

(Toulouse, 16-18 October 2018)

The twenty-fifth meeting of the Data Management Group was held from 16 to 18 October 2018 in the premises of Meteo France - Toulouse, and was attended by the following participants:

List of participants

Mr. Michael Pichler	Austria
Mr. Herman Swinnen	Belgium
Mr. Wim Demol	Belgium (vice-Chairman)
Mr. Per Moeller Jensen	Denmark
Mr. Patrick Simon	France (Chairman)
Mr. Laurent Marty	France
Mr. Laurentiu Brojboiu	Romania (Secretary)
Mr. Matthew Wagner	United Kingdom
Mr. Christopher Keohan	ICAO Paris

Missing:

M. Mohamed Mezred	Algeria
M. Igor Arestov	RF
M. Sergei Grabko	RF

Agenda Item 1: Adoption of the provisional agenda

The DMG chairman informed the group, with regret, on the absence of representation from Russian Federation and from Algeria DMG members for the meeting, and invited ICAO to recall the DMG participating States that their participation to all DMG meetings is mandatory.

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

1.   Approval of the Agenda
   DMG25 WP01 - Agenda

2.   Approval of the DMG 24 report & Actions from previous meetings
   Draft Report DMG24 & DMG24 actions list

3.   Information from other groups
   ICAO
   EUR: EANPG, COG, METG, AFSG, AFSG/PG, VA

   DMG25 IP03 –ICAO- METG28 outcomes Presentation – Status of MET Conclusions/Decisions by METG, COG and EANPG Meetings

   DMG25 IP04 – ICAO -Volcanic ash exercises

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

WMO
TT AvXML

4.   IWXXM action plan

Consider development of implementation table based on information from METNO

5.   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
Routing problems
Missing data

WP04 - Austria - IWXXM and AMHS in DMG-Monitoring

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

Co-ordinate with Space Weather Advisory Centres to obtain knowledge about the headers that will be used for SWX-advisories and discuss a possible participation at the DMG Warning Monitoring Exercises.

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;

WP08 - Belgium - ICAO_OPMET_Performance_V05 + 4 reports (Denmark, France, Germany, Kazakhstan)

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

7.   Possible creation of a 4th ROC

Provide a full transition plan to be finalized for METG/29 to assist the creation of a ROC in Moscow, including testing and implementing of AMHS connections between Moscow and the three ROCs.

Define, in co-ordination with PT/EAST, the content of the State Letter asking if their State accepts being under the Area of Responsibility of ROC Moscow;

Present a consolidated WP that informs about the status of the transition and possible outstanding actions for states in the area of responsibility of a possible new ROC Moscow.
WP05 - Austria - Possible ROC Moscow + 3 attachments

8.   RODEX

WP11 - Belgium - EUR_METNO_Bulletin_AFS_Distribution
WP09 – Belgium – Special AIREP distribution
WP10 – Belgium – Special AIREPs in Brussels RODB

ROC Back-up procedures/ contingency arrangements
London   → Toulouse
Toulouse → Vienna
Vienna   → London
WP06 - Austria - Regular Testing of the RODEX-Backup Procedure

Coordination with other regions
WP02 - Austria - ASIA-PAC-SIGMET Monitoring + attachment

RODC
WP07 - Austria - Review RODC-website

9.   EUR Documents

DOC 018 Handbook   (outside IWXXM under Agenda 5)   including Consolidated set of timers values
WP03 - Austria - Handling of GAMETs in RODBs

10.   SWIM

IWXXM Actions and coordination
- ROC plans
- RODBs plans
- Other regions
- testing AMHS
- EUR procedures & DOC018
IP02 – Denmark - New OPMET system in Denmark

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

Status of translation centre agreements for IWXXM

Participate in the development of a regional implementation plan which may include regional/interregional workshop(s) and liaise with SWIM PT in support to the development of the SWIM implementation plan

Outcomes of SWIM/PT/01
IP01 - ICAO sec - SWIM/PT/1 meeting

11.   Next meetings

DMG 26: March   2019, (UK location to be confirmed)
DMG 27: June   2019, (Denmark tbc)
DMG 28: October 2019,

12. AOB

Agenda Item 2

Adoption of DMG24 Report

The group reviewed and approved the DMG24 report, including the comments and updates.

Actions from the previous meetings

The group reviewed the status of the actions established at the DMG24 meeting. The completed tasks were erased from the list (highlighted in yellow; see comments).

List of actions resulted after DMG24

Id	Action	Responsible	Target date
	DMG22		
DMG22-3-3	Derive a listing of agreed non-AOP aerodromes and will present it to the next DMG meeting	P. Simon	DMG23
DMG22-6-11	Address with States in their AoR the data monitored but not registered and data registered but not monitored	ROCs London and Toulouse	January 2018
DMG22-8-1	Identify situations were bulletins from their AoR contain mixed AOP and non-AOP aerodromes and derive PHP tickets	ROC London and Vienna	DMG24 2017
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	DMG24
	DMG23		
DMG23-4-3	Present a status report on the translation agreements to METG28, including information on the necessity that states use AMHS for IWXXM data exchange	P. Simon	METG28
DMG23-5-2	PHP Manager will derive PHP tickets per states for the differences recorded between used FIR Names and those declared in 7910	M. Wagner	DMG24
DMG23-5-4	Contact the centres in their AoR, asking to review their list of requested warning data	M. Pichler	DMG24
DMG23-5-5	Use the package TT_EANP_Req_NOT_RX to derive tickets for missing data, for each ROC	M. Wagner	DMG24
DMG23-5-7	Investigate workpackage ROC_Misrouted_or_Duplicated in order to depict duplication and will take corrective actions, either by solving the routing directly or issuing PHP tickets. If possible, report to DMG24 on the taken actions and the progress recorded	ROCs	DMG24
DMG23-5-8	Derive PHP tickets for bulletins containing mixed required and not required data (for EUR region only), mentioning the violation of the best practices required by DMG. Additionally, the DMG report to METG28 will include information on this subject	M.Wagner	DMG24
DMG23-5-9	Investigate each action in the work package METNO_ACTION_eANP_Febr_2018_Monitoring and validate with each state in their AoR	ROCs	DMG24
DMG23-7-3	Study the possibility of performing a simulation test of the back-up procedure (with possible involvement of NOC Bucharest) and present a proposal to DMG24	ROCs London and Vienna	DMG24
	DMG24		
DMG24-3-1	Verify the update of table MET II-2 and the availability of OPMET data for URRV	C. Keohan	DMG25
DMG24-3-2	Coordinate with Ukraine the usage of FIR names as declared in 7910 for UKDV, UKLV (prior check needed that apostrophe is supported)	C. Keohan	DMG25
DMG24-3-3	Check with Uzbekistan on the missing SIGMETs for UTNR, UTSD	M. Pichler	DMG25
DMG24-3-4	Inform DMG25 on the status of implementation of 24-hour TAF for UTDD by Tajikistan	Russian Federation	DMG25
DMG24-3-5	WP on behalf of DMG for METG to present what is currently available as a SADIS Catalogue and inform that	M. Wagner	METG28

	is available for being published. A listing of the AOP/non-AOP registered aerodromes shall be derived as well		
DMG24-3-6	Contact WMO (Greg Brock) in order to obtain information on the IWXXM versioning implementation plan	C. Keohan	DMG25
DMG24-5-1	WP on status of special air-reports implementation to METG and require an updated action plan. Assistance will be called from States that have the process already in place, to provide guidance on practices for the UA dissemination	C. Keohan	METG28
DMG24-5-2	Investigate with Portugal regular requests addressed to Brussels RODB	P. Simon	DMG25
DMG24-5-3	Check with Hong Kong (details to be provided by M. Pichler) and Ireland (details to be provided by W. Demol) on the regular requests addressed to RODB Vienna and Brussels respectively	M. Wagner	DMG25
DMG24-5-4	Set up an account on the PHP application for PT/EAST(with read-only access), for a better coordination in solving the corresponding problems	Belgium	DMG25
DMG24-5-5	Prepare an amendment to EUR Doc 018 with respect to the good practice of having separate bulletins for AOP and non-AOP data	P. Simon	DMG25 /METG28?
DMG24-6-1	Update the draft tables (OPMET performance) with information in WP04 (Herman) and present to METG for endorsement	C. Keohan	METG28
DMG24-6-2	Inform on the developments made to the SADIS availability presentation tool.	M. Wagner	DMG25
DMG24-6-3	Include in the WP to METG on the monitoring results that work is in progress by UK for the development of the SADIS availability presentation tool, which can be used by States in the process of identifying the deficiencies.	C. Keohan	METG28
DMG24-4-1	WP for METG28 with the proposed changes to the EUR Doc 033	P. Simon	METG28
DMG24-7-1	WP to METG28 on the subject of possible establishment of a new ROC Moscow.	M. Pichler P. Simon Russian Federation PT/EAST	Aug 2018
DMG24-7-2	Provide credentials for accessing the RODC application. Verify the functionality of the application and provide to M. Mezred comments, remarks and suggestions	M. Mezred DMG Members	DMG25
DMG24-9-1	HS will provide to CK samples of wrong coded SIGMET messages from Brasilia in order to be addressed to the corresponding ICAO office	H. Swinnen C.Keohan	DMG25
DMG24-9-2	WP on specific aspects related to the real-time monitoring of OPMET data on AMHS		DMG25
DMG24-9-3	Include provisions related to usage of test / exercise for SIGMET/AIRMET messages into the WP addressing EUR Doc 014 proposed changes	C. Keohan	METG28

Regarding actions DMG22-6-11 and DMG 22-8-1, it was noted that an updated list was available. The two actions are connected and the ROCs will address them using the updated list.

Action DMG25-2-1: H. Swinnen will update the list of AOP/non-AOP mixed bulletins derived after Feb 2019 monitoring to incorporate changes announced through the METNO procedure. The updated list will be used by the ROCs to address the mixed bulletins issue as well as the registered/not-monitored and not-registered/monitored bulletins.

Questioning what are the formal provisions requiring separate AOP / non-AOP bulletins, the group recalled that par. 6.1.3 of the EUR OPMET Handbook indicates as best practice the usage of separate bulletins for AOP and non-AOP airports, based on efficient routing of required data.

Regarding action DMG23-5-2, it was agreed that C. Keohan will send to the 3 ROCs the list of used FIR names which are not found in the 7910 document. The ROCs will coordinate on this issue with the corresponding states in their AoR.

The action DMG23-5-5 requiring PHP tickets for data required but not monitored should be addressed by M. Wagner and H. Swinnen with a new deadline for end of 2018.

The action DMG23-5-7 (workpackage misrouted or duplicated) was closed and if needed will be opened again after the Feb 2019 monitoring.

Regarding the restructuring of the App. B of the Handbook, the following new action was derived:

Action DMG25-2-2: M. Pichler and H. Swinnen will work on the restructuring of the EUR OPMET Update Procedure (App. B of the Hdbk) with the intent to present the results at DMG26/27.

Agenda Item 3:   Information from other groups

IP03 – METG28 Outcomes
C. Keohan presented to the group the main outcomes of the METG28 meeting (Paris, 18-21 Sep). There were presented in detail the subjects requiring COG RCOG action, including:
- EUR SIGMET and AIRMET Guide (Doc 014) updates
- EUR OPMET Handbook (Doc 018) revision & publication, future improvements
- Guidelines for IWXXM implementation (Doc 033) revisions & publication
- DMG activities:
      - eANP vol III MET Performance Indicators
      - updates to the work programme
- METG ToR updates

IP04 – Volcanic Ash Exercises
C. Keohan informed the group on the dates and objectives of the following volcanic ash exercises VOLCEX18 (28 Nov. 2018, Island) and VOLKAM19 (17-18 Apr 2019, Kamchatka, Russian Federation).

Agenda Item 5 :   OPMET Monitoring Results and Action Plans

WP04 - IWXXM and AMHS in DMG-Monitoring
M. Pichler presented a working paper addressing the capabilities needed by the monitoring tool in order to be able to capture for IWXXM data the necessary elements as defined now in the EUR DOC 018, App. C & D. The group decided that all elements mentioned in WP04, para. 2.2 & 2.4 shall be captured for TAC as well as for IWXXM-data.
Discussing the elements in para. 2.3, the group decided that there is no need to capture "ChannelID", "Sequence Number" and "Destination Addresses". All other elements could be captured for messages received via AFTN as well as for those received via AMHS.

The group also discussed which additional information would be valuable to be captured in future for messages received in IWXXM-format and identified the following:
- Permissible Usage,

- Translation Centre
- Translation Time,
- IWXXM-version
- Translation errors.

In regard to "Permissible Usage", it was mentioned that also for TAC-Warning messages the ANNEX 3 will allow to indicate whether it is a test message from November 2019.

Some more discussions took place on the captured time values (filing time/authorization time and reception time). It should be determined whether those could be used to identify the transit time for a message which could give some information about bandwidth issues. Some more details are needed especially in regard to the transmission via AMHS and probably differences between P1 and P3 connections. Austria will provide more information by DMG/26.

Action DMG25-5-1: M. Pichler will assess the best way of determining the transit time of a message through the network and provide information to DMG/26.

In same regard, it was agreed that the format of the monitored time should be YYMMDDhhmmss (i.e. capturing the year, month and day).

In addition, it was agreed that following statistics could be of interest:
- number of IWXXM messages per time unit and/or per message type (TT = L@);
- volume / size of the IWXXM-bulletins
- statistics per station and IWXXM version used
- operational/non-operational vs. total number of messages
- incomplete/partial translation vs. total number of translated messages
- usage of additional groups (extensions).

Regarding the data volume, it was agreed to check whether AFSG is interested in such statistics.

Action DMG25-5-2: P. Simon will check with the AFSG-PG whether (and what) statistics on IWXXM data volume are needed.

Agenda Item 6 – Performance Indices

WP09 – ICAO OPMET Performance & WP04 – EUR EANP vol. III

H. Swinnen presented the updated results of the availability and timeliness performance indices calculated over the February 2018 monitoring. Cases were selected that did not meet the requirements and several samples of such report per state were presented for analysis. The reports offer the necessary details for remedial or corrective actions.

Analysing such a report, there were noted issues related to the treatment of METAR reports having YYGGggZ different than the AHL date-time. Additional issues were related to the COR and amended TAFs. A Flimsy01 paper was presented to summarise and conclude on an agreement on these issues.

Flimsy 01
The group discussed and agreed the following:
1. A METAR is monitored as available if a non-NIL report was received for a particular Standard Time of observation (i.e. AHL YYGGgg), even if it has a different report YYGGggZ
2. A message is not taken into account if the AHL contains an AAx (TAF) or CCx (TAF/METAR) group. If a message contains no AAx or CCx group in the AHL, then it is taken into account, even if it the report itself contains the keyword "COR".

Regarding aerodromes for which long TAFs are issued every 3 hr, the group agreed that the calculation of the performance indices shall take into account only the bulletins issued every 6 hr. There was considered the need for updating the Appendix F of the EUR OPMET Handbook.

Action DMG24-6-1: C. Keohan will provide the current version of the eANP Vol III MET tables related to OPMET Performance Indicators. W. Demol and P. Jensen will update the App F of Doc 018 and the explanatory notes of the eANP Vol III MET Tables according to that and to the conclusions of DMG25.

Agenda Item 4:   IWXXM Action Plan

C. Keohan presented a first draft table for future inclusion in the eANP Vol III representing the implementation status of IWXXM for the States in the EUR Region (ASBU-B1-AMET). It was decided to also indicate whether the messages are translated by one of the ROCs: status will be "Y", "N" or "Y(T). EUR targets will be 100% implementation by Nov 2020.

Agenda Item 7:   Possible creation of a 4th ROC

WP05 – Possible ROC Moscow

M. Pichler informed the group on the outcome of presenting a WP to METG28 on the possible creation of ROC Moscow. The Work Program of DMG had been updated to provide a full transition plan, including testing and implementing of AMHS connections between Moscow and the three ROCs and to define in coordination with PT/EAST the content of a State Letter to be sent for defining the AoR. The DMG members agreed that the content of the State Letter could be done via e-mail correspondence.

Regarding the transition plan, a first draft of the corresponding WPkgs (Work Package-Moscow and Work Package-Transition NOC Baku) were presented to the group and minor updates were agreed. The DMG members should check whether those forms are usable and cover all relevant parts. M. Pichler will act as the work package manager.

Action DMG25-7-1: The DMG members will check the work packages for the implementation of ROC Moscow (App B & C of WP05, including updates during DMG25) and provide feed-back to M. Pichler by mid January 2019. An update will be presented to DMG26.

The group considered also necessary to inform the AFSG on the plans regarding the ROC Moscow implementation, in order to address the issues related to the AMHS connections. The following actions were agreed:

Action DMG25-7-2: P. Jensen will present a paper to the next AFS – OpsG meeting to inform on the plans regarding implementation of ROC Moscow. Similarly, P. Simon will inform the next AFSG-PG meeting.

Agenda Item 8:   RODEX

WP11 - AIRAC METNO Distribution over AFS

H. Swinnen presented to the group the proposal that the METNO messages (currently distributed via AFTN) be distributed via AMHS starting 1st November. The DMG members discussed on the proposal and agreed the distribution to be done to the ROCs only. Further distribution to other recipients will be done by the ROCs, as necessary. The following actions were concluded:

Action DMG25-8-1: Belgium will prepare a WP for METG29 to describe the current distribution of the METNO messages.

Action DMG25-8-2: The ROCs will check whether the METNO bulletins are needed by NOCs in their AoR and take appropriate measures for routing.

Action DMG25-8-3: H. Swinnen (DMG Focal Point) will start distribution of METNO messages through AMHS to the three ROCs beginning 1st Nov 2018.

The size of the METNO messages for the AMHS distribution will be kept below the 1800 char limit (if necessary, manual splitting into parts).

WP09 – Special AIREP Distribution
W. Demol presented the current Annex 3 provisions related to distribution of Special AIREP messages. It was noted that the current practices used at Belgocontrol were to only disseminate (through the RODEX addressing scheme) the Special AIREPs not covered by a SIGMET. This might be the case for other EUR-states. That is not fully compliant with the ICAO SARPs and therefore the group decided to ask for guidance from ICAO.

Action DMG25-8-3: C. Keohan will pass the information related to Special AIREP problems (format, content and dissemination) to the Inter-Panel Task Force on Special AIREP (through the Eurocontrol representatives).

WP10 – Special AIREP in Brussels RODB
Wim Demol presented to the group the issues related to storing the Special AIREP messages in the RODBs. It also presented a proposal for different solutions to the problems related to the ARS storage. After discussing the possible options, there was agreed that:
- Incoming ARS message assigned to both FIR and UIR (no matter the FL of the message)
- The reply to a request should contain ARSs for both FIR and UIR
- The aging period should be 1 hr.
- Incorrectly coded messages should be rejected.

The group agreed that these options should be implemented by the RODBs on a "best effort" basis. The agreed options will also be presented to the Inter-Panel Task Force on Sp Airep.

WP03 – GAMET messages in RODBs
M. Pichler presented a number of issues related to the retrieval of GAMET messages from the RODBs. There was also questioned the option to remove GAMETs from the messages supported by RODBs.
Regarding the SIGWX forecast for low-levels in graphical format, it was noted that tests should take place between two ROCs for the exchange of such products using AMHS.

WP02 – ASIA/PAC SIGMET Monitoring
M. Pichler informed on the following SIGMET monitoring exercises planned in ASIA/PAC region. It also presented the Inter-Office Memorandum requiring support from the EUR Region. The following action was agreed:

Action DMG25-8-4: The 3 ROCs and the DMG Monitoring Focal Point (H.Swinnen) will provide the results of the 3 days monitoring to M. Pichler who will compile and send them to ROC London and Singapore and will present a paper to DMG26.

WP07 – RODC Website
M. Pichler presented to the group proposals for improving the functionality of the RODC application and to correct minor errors. For the moment, no further action was decided, as the Algerian representative was missing and no information was available on the possible support of the RODC application.

Agenda Item 10 – SWIM

IP02 – New OPMET System in Denmark
P. Jensen informed the DMG members that starting 1st Aug this year, a new OPMET System is in operation in Copenhagen COM Centre. The system has the capability to translate between TAC and IWXXM (ver. 2.1 is currently used). The LADN31 bulletins are currently distributed to a test

system. Denmark expressed the intention to start exchanging IWXXM data, after bi-lateral agreement with Belgium.

Agenda Item 8 – RODEX (cont.)

WP06 – RODEX Back-up Procedure
M. Pichler presented an updated version of the first test of the procedure, involving also a NOC from the AoR of ROC London (Copenhagen) in order to give ROC-Vienna the chance to test the activation of a backup routing. The proposal was agreed in principle and the involved participants would investigate the feasibility and inform in the following weeks, with the intention to perform the test by the end of the year.

Action DMG25-8-5: ROCs Vienna and London and NOCs Bucharest and Copenhagen will confirm the availability of the test systems, will inform on the address to be used and will take the necessary actions to perform the test.

The three ROCs agreed on starting exchanging the routing tables, as there was no reason waiting for progress with RODC application.

Action DMG25-8-6: The 3 ROCs will agree on the format of the routing tables and the frequency of updates and will start exchanging the tables.

Agenda Item 10 – SWIM (cont.)

IP01 – SWIM Project Team
C. Keohan informed the group on the outcomes of the first meeting for the establishment of the SWIM Project Team (27 Sep 2018) and of the first webex. Those included deriving the Terms of Reference and the Work Programme of the PT. The future actions included webex 2 (23 Nov 2018) and 3 (6 Mar 2019) and PT/2 meeting during the last week of May (Moldova).
It was mentioned the availability of Manual on SWIM Concept (Doc. 10039) Vol. II for early 2020. Vol. I was ready, although the exact date of publication was still unknown.

The DMG group discussed on the necessities and dependencies, and identified a list of SWIM pre-requisites. The draft list was compiled by C. Keohan and will be addressed to the SWIM PT at the next webex2. The DMG members were requested to check the list and provide comments to C. Keohan.

- Clarification on Architecture Model;
    - Communication needs between Air Navigation Service Providers (ANSP)s;
    - IP-based services supporting SWIM users;
    - Avoid, where possible, dependencies that would slow SWIM implementation;
- SWIM governance on SWIM user access; e.g. SWIM registry;
- Security aspects;
- Authorative source definition;
    - e.g. links between World Meteorological Organisation (WMO) Information System (WIS) and SWIM;
- Policy to add SWIM service; e.g. verification;
- Implementation of exchange models;
    - ICAO Meteorological Information Exchange Model (IWXXM);
    - Aeronautical Information Exchange Model (AIXM);
    - Flight Information Exchange Model (FIXM); and
    - Air Traffic Management (ATM) Information Reference Model (AIRM).

IWXXM Actions and coordination
- ROC plans
- RODBs plans
- Other regions
- testing AMHS
- EUR procedures & DOC018

It was agreed to start progress on the development of ROCs/RODBs plans. With respect to the other regions, it was considered necessary to initiate contacts in order to start the exchange of IWXXM data.

Action DMG25-10-1: The ROCs will investigate with the other regions on the AMHS (extended) availability or the existence of corresponding implementation plans.

Agenda Item 11: Next DMG Meetings

Dates and location of the next meetings

> DMG26: 12-14 March 2019, UK

> DMG27: 11-13 June 2019, Copenhagen

> DMG28: 22-24 October, Belgium (COG has just agreed to have next year's COG from 22-24 Oct 2019 – so, hopefully we can move this back a week??)

Agenda Item 12: Any Other Business

- P. Jensen informed that Naviair has a representative in the New PENS working group and offered to invite him to make a short presentation during the DMG27.
- P. Jensen noted that he had been contacted via e-mail with respect to Norway intention to participate to the DMG. The meeting pointed that the OPMET exchange is going perfectly well in Northern Europe. The request will be addressed to the DMG Chairman and the response will be coordinated with ICAO.
- Belgium informed that the national ANSP (Belgocontrol) will be renamed starting Nov 2018.
- The group noted that the current issues related to SWIM implementation become more and more important. As such, it was considered beneficial for the activity of the group if experts in IWXXM/SWIM would be co-opted for future DMG meetings.

List of actions resulted after DMG25

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	DMG24
	DMG23		
DMG23-5-2	PHP Manager will derive PHP tickets per states for the differences recorded between used FIR Names and those declared in 7910	M. Wagner	DMG24
DMG23-5-4	Contact the centres in their AoR, asking to review their list of requested warning data	M. Pichler	DMG26
DMG23-5-5	Use the package TT_EANP_Req_NOT_RX to derive tickets for missing data, for each ROC	M. Wagner	DMG24

	DMG24		
DMG24-3-2	Coordinate with Ukraine the usage of FIR names as declared in 7910 for UKDV, UKLV (prior check needed that apostrophe is supported)	C. Keohan	DMG25
DMG24-3-3	Check with Uzbekistan on the missing SIGMETs for UTNR, UTSD	M. Pichler	DMG25
DMG24-3-4	Inform DMG25 on the status of implementation of 24-hour TAF for UTDD by Tajikistan	Russian Federation	DMG25
DMG24-5-2	Investigate with Portugal regular requests addressed to Brussels RODB	P. Simon	DMG25
DMG24-6-2	Inform on the developments made to the SADIS availability presentation tool.	M. Wagner	DMG25
DMG24-7-2	Provide credentials for accessing the RODC application. Verify the functionality of the application and provide to M. Mezred comments, remarks and suggestions	M. Mezred DMG Members	DMG25
	DMG25		
DMG25-2-1	will update the list of AOP/non-AOP mixed bulletins derived after Feb 2019 monitoring to incorporate changes announced through the METNO procedure. The updated list will be used by the ROCs to address the mixed bulletins issue as well as the registered/not-monitored and not-registered/monitored bulletins.	H. Swinnen ROCs	DMG26
DMG25-2-2	Restructure EUR OPMET Update Procedure (App. B of the Hdbk)	M. Pichler H. Swinnen	DMG26/27
DMG25-5-1	Assess the best way of determining the transit time of a message through the network	M. Pichler	DMG/26
DMG25-5-2	Check with the AFSG-PG whether (and what) statistics on IWXXM data volume are needed	P. Simon	Nov 2018
DMG24-6-1	Provide the current version of the eANP tables related to OPMET Performance Indicators. Update the App F of Doc 018 and eANP Vol III according to that and to the conclusions of DMG25	C. Keohan W. Demol and P. Jensen	DMG26
DMG25-7-1	Check the work packages for the implementation of ROC Moscow (App B & C of WP05, including updates during DMG25) and provide feed-back to M. Pichler by mid January 2019.	DMG members	DMG26
DMG25-7-2	Inform AFS – OpsG meeting on the plans regarding implementation of ROC Moscow. Inform the next AFSG-PG meeting.	P. Jensen P. Simon	2018
DMG25-8-1	WP for METG29 to describe the current distribution of the METNO messages	Belgium	DMG27
DMG25-8-2	Check the METNO bulletins needed by NOCs in their AoR and take appropriate measures for routing	ROCs	Nov/Dec 2018
DMG25-8-3	Start distribution of METNO messages through AMHS to the three ROCs	H. Swinnen	1st Nov 2018
DMG25-8-3	Pass the information related to Special AIREP problems (format, content and dissemination) to the Inter-Panel Task Force on Special AIREP (through the Eurocontrol representatives)	C. Keohan	
DMG25-8-4	Provide the results of the 3 days ASIA/PAC SIGMET monitoring to M. Pichler who compile and send to ROC London and Singapore. Present a paper to DMG26.	ROCs H.Swinnen	DMG26

DMG25-8-5	Confirm the availability of the test systems, will inform on the address to be used and will take the necessary actions to perform the test	ROCs Vienna and London NOCs Bucharest and Copenhagen	2018
DMG25-8-6	Agree on the format of the routing tables and the frequency of updates and will start exchanging the tables	ROCs	DMG26
DMG25-10-1	Investigate with the other regions on the AMHS (extended) availability or the existence of corresponding implementation plans	ROCs	DMG26