

# REPORT OF THE DATA MANAGEMENT GROUP

## TWENTYFIRST MEETING

(Saint Petersburg, 28-30 March 2017)

The twenty-first meeting of the Data Management Group was held from 27 to 29 June 2017 in the premises of ROSAVIATSIA - State ATM Corporation – Branch North-West Air Navigation, Saint Petersburg – Russian Federation, and was attended by the following participants:

### List of participants

Mr. Mohamed Mezred	Algeria
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. Laurentiu Brojboiu	Romania (Secretary)
Mr. Sergey Grabko	Russian Federation
Mr. Igor Arestov	Russian Federation
Mrs. Olga Moskovkina	Russian Federation
Mr. Vladimir Tsukanov	Russian Federation
Mr. Varedzhyan Gamayak	Russian Federation
Mr. Graham Easthope	United Kingdom
Mr. Christopher Keohan	ICAO Paris

### Agenda Item 1: Adoption of the provisional agenda

After the meeting opening, the group discussed on the provisional agenda and adopted it as follows:

<b>1.</b>	<b>Approval of the Agenda</b>	<b>DMG21 WP01 - Agenda</b>
<b>2.</b>	<b>Approval of the DMG 19 report</b>	<b>DMG21 WP02 – Report of DMG20</b>
<b>3.</b>	<b>Actions from previous meeting</b>	<b>DMG21 WP02 – DMG20 action list</b>
<b>4.</b>	<b>Information from other groups</b>	
	<b>ICAO</b>	
	<u>EUR</u>	
	EANPG, COG	
	METG	
	AFSG, AFSP/PG	
	VA	<b>IP09</b>
	<u>Coordination with other regions</u>	
	<u>Global Groups</u>	
	WG-MIE	
	MOG/SADIS	<b>IP08</b>
	<b>WMO</b>	

	TT AvXML	
5.	<p><b>IWXXM Action Plan</b></p> <p><u>Actions and coordination</u></p> <ul style="list-style-type: none"> <li>- EUR IWXXM Workshop (16-17 May 2017, Paris)</li> <li>- EUR contribution to the Interregional APAC/EUR/MID Workshop on Service improvement through integration of AIM, MET and ATM Services (2-4 Oct 2017, Brussels)</li> <li>- ROC plans</li> <li>- RODBs plans</li> <li>- Other regions</li> <li>- testing AMHS</li> </ul> <p><u>Review State letter relating to translation centre agreements</u></p>	<p>IP09 IP05,</p> <p>WP05, WP08 IP06, IP07,</p>
6.	<p><b>OPMET Data Monitoring results and action plans &amp; PHP manager report</b></p> <p><u>Monitoring results &amp; following PHP actions, including:</u></p> <p>Systematically wrong formatted/coded OPMET data Routing problems Missing data Consolidated set of timers values Special AIREP monitoring</p> <p><u>Support to the new eANP</u></p> <p><u>DMG support for agreed exchanged non AOP aerodrome</u> <u>OPMET Volume III – MET</u> SIGMET, AIRMET implementation Other OPMET implementation</p>	<p>WP06, WP11</p> <p>IP01, IP02 IP03, IP04, WP04 WP12</p> <p>WP03</p>
7.	<p><b>Performance indices</b></p> <p>Propose/create performance indices</p>	<p>WP07</p>
8.	<p><b>RODEX</b></p> <p><b><u>RODC</u></b></p> <p>RODC administration website</p> <p><b><u>ROC Back-up procedures/ contingency arrangements</u></b></p> <p>London → Toulouse Toulouse → Vienna Vienna → London</p> <p><b><u>Possible new ROC</u></b></p> <p>Study possible foreseen improvements, prerequisites, technical and documentation changes to be in place prior to a possible creation of a new ROC for some</p>	<p>WP13</p> <p>WP09</p>

	PT/EAST States and report back to METG.	
<b>9.</b>	<b>EUR Documents</b> DOC 018 Handbook DOC 033 CONOPS on XML	<b>WP10, IP09</b>
<b>10</b>	<b>Next meetings</b>  DMG22: 24-26.10.2017, Cluj-Napoca (Romania), confirmed DMG23: 13-15 March 2018, Algeria, exact location to be confirmed DMG24: June 2018, Vienna, exact dates to be confirmed	
<b>11</b>	<b>AOB</b>	

### Agenda Item 2: Adoption of DMG20 Report

The group reviewed and approved the DMG20 report, including the comments and updates.

### Agenda Item 3: Actions from the previous meeting

The group reviewed the status of the actions established at the DMG20 meeting. The completed tasks were erased from the list (highlighted in yellow; see comments).

### List of actions resulted after DMG20

Ag. Item/BMG	Action item	Responsible	Target date
	<b>DMG16</b>		
DMG16-4-5	Obtain the headers for Special AIREP messages used by Malta.	P. Simon	DMG21
DMG16-5-7	Progress report on the development of software applications for depiction of systematic TAC coding errors	P. Simon	DMG18
	<b>DMG17</b>		
DMG17-5-2	Inform permanently DMG on the changes that WG-MIE adopt for the Guidelines, in order that the regional document be updated accordingly.	P. Simon	Permanent
DMG17-4-4	Cross-check the SIGMET headers database provided by ICAO with the results of a 3 month monitoring period	P. Simon C. Keohan	DMG18
	<b>DMG18</b>		
DMG18-3-1	Implement the new AFTN addresses by DMG19	ROCs	DMG19
DMG 18-6-1	Investigate on the RQM coming from Portugal	P. Simon	DMG19
	<b>DMG19</b>		
DMG19-5-5	Derive statistics regarding the IWXXM traffic volumes during the peak hours - present an IP.	P. Simon	DMG20
DMG 19-6-1	Derive results for timeliness conformity of non-EUR data, based on February 2017 monitoring. The results will be analysed by each of the three ROCs for data coming from its region and a WP will be presented at DMG21.	W. Demol 3 ROCs	DMG21

DMG 19-6-5	Obtain information from ICAO MET Panel regarding the monitoring of Special AIREP messages and inform accordingly at the next DMG meeting (either a WP or verbally, depending on the outcome).	C. Keohan	DMG20
DMG19-6-6	Inform METG that the requirement for TAF availability 30min before validity is not present anymore in the ANP and ask for guidance on the matter	P. Simon	METG
	<b>DMG20</b>		
DMG20-3-1	Perform a new monitoring regarding the SPECIAL AIREP used and present the results to METG in order to take action	P. Simon	METG27
DMG20-4-1	Invitation to DMG members to participate to the IWXXM workshop for a meeting on 16 May in ICAO Paris RO	P. Simon	April 2017
DMG20-5-1	Compile a list of open questions related to IWXXM implementation (contributions from DMG members are expected). A study note will be presented to WG-MIE in July 2017 (or during one of the next webex meetings)	W. Demol M. Pichler G. Easthope	DMG21
DMG20-5-2	Work on possible scenarios for a transitional period for IWXXM data exchange implementation (ROC London) and present an IP to DMG21	W. Demol G. Easthope	DMG21
<u>DMG20-6-1</u>	ROC London will check the routing of the bulletins identified by the ASIA/PAC SIGMET monitoring Nov. 2016 and will derive PHP tickets as necessary	G. Easthope	DMG21
DMG20-6-2	Derive a list of reports present in both US and non-US compiled bulletins and provide that to G. Easthope for further investigation.	L. Brojboiu	April 2017
DMG20-6-3	Informal discussion with the US representatives during the MOG/SADIS meeting in order to address the issue with missing keyword in the beginning of reports as well as possibility of duplication suppression	G. Easthope	MOG/SADIS
DMG20-6-4	WP to DMG21 with the updates to the PHP Ticketing Application	G. Easthope W. Demol	DMG21
DMG20-6-5	Use the updated list of location indicators to check the monitoring results and provide, as necessary, an updated WP at DMG21	H. Swinnen	DMG21
DMG20-6-6	The 3 ROCs will check the workbooks with the monitoring results from the Feb 2017 monitoring to depict the routing deficiencies, and in particular with respect to the METNO procedure.	ROCs	DMG21
DMG20-6-7	Derive new tickets and update the existing ones to address problems highlighted by the February 2017 monitoring	PHP manager	DMG21
DMG20-6-8	Continue providing the SADIS FTP monitoring results. P. Simon will filter the monitoring results from Toulouse to AFTN only	H. Swinnen L. Brojboiu	
DMG20-6-9	WP on the re-organization of the OPMET monitoring exercises, with the intent to provide the necessary details and benefits for proposing to METG the reduction to only one monitoring exercise per year	H. Swinnen	DMG21
DMG20-6-10	Analyse the metrics (formulas) used to derive the performance indices and provide remarks or proposals for update or correction if applicable	DMG members	DMG21
DMG20-6-11	Submit comments/remarks to C. Keohan regarding the METAR/TAF tables in eANP vol. III. WP to DMG21 with the updated proposal for the format	DMG members	June 2017

	of the eANP vol III (including technical explanations and also the results) in order to be presented to METG	C. Keohan	DMG21
DMG20-6-12	Re-do a monitoring of SIGMET messages for a period of 5 months and compare with the existing results already provided in WP03 – App. D.	P. Simon	DMG21
DMG20-8-1	Implementation of the new AFTN addresses	ROCs	April 2017
DMG20-8-2	Check the backup procedure for the technical elements, especially the accuracy of the distribution schema. The revised version will be presented to DMG21 in order to have a consolidated version for inclusion into the DMG report to METG	ROCs	DMG21
DMG20-8-3	Ask States participating to the PTEAST meeting (15-16 June 2017) on the planned migration from GTS to AFS for OPMET data exchange. IP for PTEAST meeting highlighting the potential benefits brought in place by transition to AFS	C. Keohan M. Pichler	DMG21 June 2017
DMG20-8-4	Work to consolidate the proposal to be made to METG/27 regarding the possible implementation of ROC Moscow	DMG members	DMG21

Regarding Action DMG16-4-5, it was noted that Malta had provided no information. The former response had questioned the necessity for issuing Special AIREPS. It was agreed by the group that ICAO should resend an official letter related to the procedure of issuing/transmitting Special AIREP messages.

Regarding action DMG17-4-4, it was noted no progress due to the current workload. It was agreed that P. Simon will send the next week the results of the 3 month monitoring period to C. Keohan in order to perform a cross-check during July 2017.

Regarding action DMG19-5-5, H. Swinnen mentioned that traffic volumes for the TAC data have already been calculated and presented during DMG19. Starting from these results and making some determination of IWXXM data volume comparing to TAC data, a rough estimate of the IWXXM volume could be determined. The new responsible persons for the action would be W. Demol and H. Swinnen and they will present the results to the next DMG meeting.

Regarding DMG19-6-6, it was noted that the frequency of issuing METAR is actually present in the eANP. Therefore, the issue will cover only the 30 min interval for TAFs and will be included into the DMG report to METG, asking for advice as this value is currently referred in EUR Doc 18 and if not needed then an update is necessary.

Regarding action DMG20-3-1, it was agreed that P. Simon will provide the results of a monitoring for the last 4 months while L. Brojboiu will do a monitoring for July and August. The results will be then presented to METG27.

As for the action DMG20-6-5, it was re-iterated the need for an updated version of the location indicators document in a format usable by computers. It was agreed that a formal request be forwarded to ICAO for such a version of the document. It was noted that a similar request was previously sent by AFSG. The wording to be included in the DMG report will be provided by G. Easthope and C. Keohan and will point that the necessary tools need to be provided by ICAO to its working groups in support of their activities related to monitoring of implementation status of ASBUs.

#### **Agenda Item 4: Information from other groups**

### *IP09 – AFSG21 EUR AMHS Change Proposal*

The DMG members were informed that the change proposal related to the inclusion of the AMHS profile for IWXXM exchange in the EUR AMHS Manual was adopted by AFSG21.

### *IP08 – MIE Papers*

P. Simon presented to the group the papers intended to be presented to WG-MIE 3, including:

- MIE3 - IPxx\_EUR\_Workshop\_outcome
- MIE3 - SNxx\_IWXXM\_statistics\_ROCs\_RODBs
- MIE3 - SNxx\_Translation\_Center\_OPERations
- MIE3 - SNyy\_Guidelines\_for\_IWXXM\_transition

With regard to the IWXXM statistics, there was noted that in addition to the TAC statistics (availability, timeliness), new ones may be derived specific to IWXXM, related for instance to schema/schematron compliance, data volume, IWXXM schema version used, optional groups used, etc.

### *PTEAST Meeting*

M. Pichler informed the group about his participation to the PTEAST Meeting and the working papers presented. There had been mentioned the need to start using AFS for OPMET data exchange and implementation of AMHS as soon as possible in order to be able to exchange IWXXM data.

The DMG members considered beneficial that Mrs. Nino Gelovani – chairperson of PTEAST – be invited to attend DMG23 meeting in March 2018.

Action DMG21-4-1: P. Simon will e-mail to Mrs. Nino Gelovani a formal invitation to participate to DMG23 meeting.

### *Workshop on SIGMET coordination for PTEAST States*

C. Keohan informed the group about the subjects covered during the Workshop on SIGMET coordination for PTEAST States that took place in June in Belarus. It was noted the participation of 66 specialists from 10 states and there was also presented the progress recorded. A web platform has been set-up and is already in use by the Russian Federation and the neighbour countries for coordination of issued SIGMETs.

## **Agenda Item 5: IWXXM Action Plan**

### *WP08 – IWXXM Test LOWM-EBBR*

M. Pichler presented to the group the results of the tests for exchanging IWXXM messages between LOWM and EBBR. Particular importance was given to the comparison of the messages translated from TAC to IWXXM by both centres. A number of differences had been noted and these were presented in detail to the group. Although some of the differences had already been addressed with the software providers and were solved, there were noted some of them for which clarification from WMO was considered necessary. There was agreed the following action:

Action DMG20-5-1: M.Pichler and W. Demol will filter the list of differences recorded for IWXXM translated messages in order to capture the ones that are related to the meteorological content and therefore clarification from WMO is necessary. The list will be then forwarded to the IWXXM Google group for discussion.

### *IP06 – IWXXM Status of Implementation for LOWM*

M. Pichler informed the group of the current status of implementation of IWXXM functionalities for ROC and RODB Vienna. Those included: extended AMHS capabilities, TAC to IWXXM translation, validation, aggregation and compilation, RQX capabilities (these will become operational and announced in July, the same as RODB EBBR).

Regarding the possibility for prioritization of different versions, the group agreed that normally there shall not be circulated different versions of the same report (coded in different schema versions). There was considered whether this provision should be included in the DMG report.

#### *IP10 – Addressing issues TAC-IWXXM*

M. Pichler informed the group on a number of issues related to the IWXXM implementation. There was noted that different addressing for TAC and IWXXM would be very beneficial and the proposed addresses format was presented. There were also mentioned a number of clarifications that needed to be solved, related to the format of the request and reply messages. As the issues were considered too technical and strictly related to communication format, there was agreed that Austria will raise them to the next AFSG-PG meeting were, if considered beneficial, an agreement will be made by the respective group.

#### *IP07 – ROC London Transitional exchange arrangements*

G. Easthope presented to the group a proposal for addressing the IWXXM exchange between states in ROC London Aor and the other European ROCs and IROGs. The routing implemented in the AMHS switch will ensure ROC London meets its OPMET Exchange responsibilities whilst it transitions to meet its IWXXM obligations. The proposed addressing was based on previous agreement reached at DMG20 (WP08 & WP15).

Action DMG21-5-2: The DMG Report to METG will include a mention stating the current capabilities of ROC London to route IWXXM data. There should also be mentioned the agreement reached for the addresses to be used and that Belgium already implemented the addressing.

Belgium announced that it will start distributing IWXXM data from 20<sup>th</sup> July. The three ROCs should also enquire whether states in their AoR are willing / intend to receive IWXXM data.

#### *Distribution Determination*

M. Pichler presented to the group a proposal for the graphical representation of distribution determination using a Google-Maps application. The representation was very appreciated by the members, as it provided not only a very suggestive image of the routing but also comprehensive information regarding link types, ROC/NOC metadata, etc.

The group agreed that the distribution tables be updated as much as possible and loaded on the DMG website. This will ensure an easy way to update dynamically the information whenever necessary. The EUR Doc 018 shall include a reference to the DMG website where the RODEX tables can be found.

Action DMG 21-5-3: The RODEX distribution tables shall be updated and presented to METG in a working (or information) paper. There should also be mentioned that a graphical representation is under construction and can be accessed using the link on the DMG website.

### **Agenda Item 6 – OPMET Data Monitoring Results and Action Plans & PHP Report**

#### *WP06 – PHP Progress Report*

G. Easthope as the PHP manager presented in detail the PHP tickets progress from DMG20. The meeting was also informed that the application could offer the capability to specify the type of the issue (whether is TAC related or IWXXM).

Action DMG21-6-1: Belgium will take actions to release the new version of the PHP application and to update its corresponding manual.

#### *WP12 – TAF Timers*

W. Demol presented to the group the results of a monitoring exercise related to the implementation of the new TAF timers values, particularly for the rejections caused by the introduction of T5 = 60 min (limit between current time and start of validity). The monitoring took place between 1-3 Feb 2017 and shows that for the EUR region the actions taken reduced the

rejections to a very small number, while for the other regions the implementation of the T5 timer would lead to a significant number of rejections. It was therefore agreed that the new value will not be yet implemented, as the data are still usable even if not 100% correct. The following actions were concluded:

Action DMG21-6-2: C. Keohan will provide the results of the TAF timer monitoring to the corresponding colleagues from other ICAO regions for consideration.

Action DMG21-6-3: The TAF timers monitoring results will be included in the DMG report and presented to METG.

#### *WP11 – Report of the RQM Monitoring*

W. Demol presented to the group the results of a RQM monitoring exercise that took place during 7-9 June 2017. Compared to the previous results, the number of requests per day has increased for Vienna and has decreased for Brussels. The increase for Vienna was due to two heavy users for which the following actions were decided:

Action DMG21-6-4: M. Pichler will verify whether UKLVYMYV (Lviv, Ukraine) is still requesting data.

Action DMG21-6-5: ROC Vienna and NOC Moscow will investigate the requests coming from Kyrgyzstan. M. Pichler will provide to NOC Moscow the list of location indicators requested together with the headers of the corresponding bulletins, in order to address the regular routing of these to Kyrgyzstan.

#### *IP01 – METAR from North Sea*

Per Moller Jensen informed the group that a METAR format error signalled by EDZW for 4 messages received from the North Sea had been corrected.

#### *IP02 - EKDK SIGMETs*

Per Moller Jensen informed the group that actions had been taken to ensure KOBENHAGEN was used, in accordance with ICAO Docs 7910 and EUR Doc 14.

The group members considered that further verification for other names could be performed once the 7910 document is available in a computer usable format (csv).

#### *IP03 – SADN32 EKOD*

The group was informed on the actions taken regarding multiple transmission of SADN32 EKCH. As there are not identified multiple transmissions on the AMHS connection EGGG-EKCH, further investigation is needed. G. Easthope offered to provide support to P. Moller Jensen with the investigations.

#### *IP04 – Progress on APAC SIGMET Monitoring Results*

G. Easthope informed the group on the actions taken following action DMG20-6-1. The routing list at ROC London was updated with the missing headers. For some other headers received by GTS only, the routing was verified in IROG Singapore and an ad-hoc test confirmed the reception of some of these headers. The ROCs London and Singapore will continue the work to ensure dissemination of all the corresponding headers.

#### *WP04 – TAC OPMET Data Monitoring Exercises*

Following action DMG20-6-9, H. Swinnen presented to the group a proposal for reducing the OPMET monitoring exercises to one per year. There was a general agreement from the DMG members and discussions were focused on the new schedule of the monitoring. The preferred period was the February monitoring. The proposal will be presented at the next DMG meeting as a concise separate working paper with highlights on the advantages induced.



Action DMG21-6-6: W. Demol and H. Swinnen will prepare a WP for METG with the proposal to reduce the EUR OPMET monitoring exercises to one per year. P. Moller Jensen will prepare the corresponding update (with track-changes) of the EUR Doc 018.

#### *WP03 – eANP Vol 3 proposed tables*

The draft tables for measuring the availability and timeliness of OPMET data were presented by C. Keohan. The group agreed that the proposal was mature enough to be presented to the next METG and agreed to populate the tables with results from the monitoring exercise in Feb 2017. The proposal will be referred to in the DMG report but also will be updated according to the discussions during the DMG meeting and presented in a separate WP to METG. The following action was concluded:

Action DMG21-6-7: The monitoring results will be forwarded to C. Keohan to populate the proposed implementation tables. C. Keohan will prepare a WP for METG presenting the principles and structure of the tables developed in agreement with DMG for further endorsement.

### **Agenda Item 7 – Performance Indices**

#### *WP07 – ICAO OPMET Performance*

Following action DMG20-6-5, H. Swinnen provided an updated version of the WP14 presented at DMG20, based on the new location indicator list. The DMG members expressed their appreciation for the extensive work related to determination of the performance indices.

The group discussed in detail on the time window for METAR and TAF timeliness. There was noted that currently in Annex 3 there are provisions related to the filing time (5min) and transit time (5min). In Europe it might be considered that a value of 1 min for the transit time it is sufficient, as the monitoring results have already proved. As there is no official provision for this reduced value, the group agreed that a proposal should be made to METG for approval. The proposal could be inserted into the DMG report and be reflected in the update of the Eur Doc 18.

Action DMG21-7-1: A proposal for the value of 1 min for the transit time in EUR should be presented to METG for approval and insertion in Eur Doc 18.

The meeting recalled also that there is no requirement in the current eANP for the reception of TAF messages 30 min prior commencement of validity. The agreed action was to just signal this issue to METG and wait for decision before starting further actions (update of the Doc 18).

### **Agenda Item 8 - RODEX**

#### *WP13 – RODC Application*

M. Mezred presented to the group the progress recorded with the development of the RODC application. The group was presented with the on-line version of the application. Although the presentation focused mainly on presenting dynamic data (OPMET messages), the group appreciated the structure and functionality. There was pointed the need to re-consider the scope of the RODC application development, in order to serve its main purpose: provide a catalogue of data that users could use for identifying required data and the ROCs could use for routing these data. The group expressed its appreciation for the work so far and agreed to continue the development according to the explanations given during the meeting. H. Swinnen and M. Pichler will provide further details on the principles and functionalities required. The progress will be presented during the next DMG meetings.

#### *WP09 – Back-up Procedure*

M. Pichler presented an update of the EUR RODEX Back-up Procedure (app. G of the Doc 18). The corresponding changes were highlighted and discussed by the group. There was agreed the following action:

Action DMG21-8-1: M. Pichler will prepare a clean version of the procedure (with changes incorporated) and send it to P. Simon. Comments and update of figures are expected till mid July and final version will be sent to P. Moller Jensen to be included in the new version of Eur Doc 18.

*WP10 - EUR Doc 33 – Draft Edition 3, Amd.0*

P. Simon presented to the group an updated version of the Guidelines for the Implementation of OPMET Data Exchange using IWXXM in the EUR Region. There was mentioned that the current updates closely follow the changes produced in the global document.

*Proposal for new ROC*

The group confirmed to proceed as agreed during DMG20 and present to METG27 the proposal along with the pre-requisites agreed (implementation of AFS exchange). The following action was derived:

Action DMG21-8-2: P. Simon will work with representatives of Russian Federation to prepare a WP for METG/27 with the proposal for a new ROC.

**Agenda Item 12: Next DMG Meetings***Dates and location of the next meetings*

DMG22: 24-26 October 2017, Cluj-Napoca (Romania)

DMG23: 13-15 March 2018, Algeria

DMG24: June 2018, Vienna

**Agenda Item 13: Any Other Business**

P. Moller Jensen informed the group about problems encountered with long FTUS bulletins that are split in 2 AFTN messages. In order to address the issue, P.M.J will open a ticket on PHP application.

There was noted that following a period of 1,5 years no activity has been recorded from Netherlands with respect to DMG. Consequently, DMG will inform METG that Netherland is no longer a member of DMG.

H. Swinnen noted that currently no results have been provided by LROM for monitoring of non-scheduled data and therefore would be required a check in advance of the format used.

Action DMG21-13-1: L. Brojboiu will perform a test monitoring and provide some samples of the non-scheduled data monitoring results to H. Swinnen to check the compatibility of format used.

Regarding the issue of agreed non-AOP aerodromes exchange, it was mentioned that a list should be derived in order to be presented at METG27.

Action DMG21-13-2: P. Simon will work on the corresponding procedure to obtain a list of agreed non-AOP aerodromes (based on the WP05 from DMG20) and present the list as part of the DMG report to METG.

## List of actions resulted after DMG21

Ag. Item/BMG	Action item	Responsible	Target date
	<b>DMG16</b>		
DMG16-4-5	Obtain the headers for Special AIREP messages used by Malta.	P. Simon	DMG21
DMG16-5-7	Progress report on the development of software applications for depiction of systematic TAC coding errors	P. Simon	DMG18
	<b>DMG17</b>		
DMG17-4-4	Cross-check the SIGMET headers database provided by ICAO with the results of a 3 month monitoring period	P. Simon C. Keohan	DMG18
	<b>DMG18</b>		
DMG 18-6-1	Investigate on the RQM coming from Portugal	P. Simon	DMG19
	<b>DMG19</b>		
DMG19-5-5	Derive statistics regarding the IWXXM traffic volumes during the peak hours - present an IP.	P. Simon	DMG20
DMG19-6-6	Inform METG that the requirement for TAF availability 30min before validity is not present anymore in the ANP and ask for guidance on the matter	P. Simon	METG
	<b>DMG20</b>		
DMG20-3-1	Perform a new monitoring regarding the SPECIAL AIREP used and present the results to METG in order to take action	P. Simon	METG27
DMG20-6-6	The 3 ROCs will check the workbooks with the monitoring results from the Feb 2017 monitoring to depict the routing deficiencies, and in particular with respect to the METNO procedure.	ROCs	DMG21
DMG20-6-12	Re-do a monitoring of SIGMET messages for a period of 5 months and compare with the existing results already provided in WP03 – App. D.	P. Simon	DMG21
	<b>DMG21</b>		
DMG21-4-1	Formal invitation to Mrs. Nino Gelovani to participate to DMG23 meeting	P. Simon	DMG22
DMG20-5-1	Filter the list of differences recorded for IWXXM translated messages in order to capture the ones related to the meteorological content and clarification from WMO is necessary. Forward the list to the IWXXM Google group for discussion	M.Pichler W. Demol	DMG22
DMG21-5-2	The DMG Report to METG will include a mention stating the current capabilities of ROC London to route IWXXM data. There should also be mentioned the agreement reached for the addresses to be used and that Belgium already implemented the addressing	P. Simon	METG27
DMG 21-5-3	The RODEX distribution tables shall be updated and presented to METG in a working (or information) paper. There should also be mentioned that a graphical representation is under construction and can be accessed using the link on the DMG website	M. Pichler	METG27
DMG21-6-1	Release the new version of the PHP application and to	Belgium	DMG22

	update its corresponding manual		
DMG21-6-2	Provide the results of the TAF timer monitoring to the corresponding colleagues from other ICAO regions for consideration	C. Keohan	DMG22
DMG21-6-3	The TAF timers monitoring results will be included in the DMG report and presented to METG	P. Simon	METG27
DMG21-6-4	Verify whether UKLVYMYV (Lviv, Ukraine) is still requesting data.	M. Pichler	DMG22
DMG21-6-5	Investigate the requests coming from Kyrgyzstan. M. Pichler will provide to NOC Moscow the list of location indicators requested together with the headers of the corresponding bulletins, in order to address the regular routing of these to Kyrgyzstan	ROC Vienna NOC Moscow	DMG22
DMG21-6-6	Prepare a WP for METG with the proposal to reduce the EUR OPMET monitoring exercises to one per year. P. Moller Jensen will prepare the corresponding update (with track-changes) of the EUR Doc 018	W. Demol H. Swinnen P.M.Jensen	METG27
DMG21-6-7	The monitoring results will be forwarded to C. Keohan to populate the proposed implementation tables. C. Keohan will prepare a WP for METG presenting the principles and structure of the tables developed in agreement with DMG for further endorsement	C. Keohan	METG27
DMG21-7-1	A proposal for the value of 1 min for the transit time in EUR should be presented to METG for approval and insertion in Eur Doc 18	P. Simon	METG27
DMG21-8-1	Prepare a clean version of the backup procedure (with changes incorporated) and send it to P. Simon. Comments and update of figures are expected till mid July and final version will be sent to P. Moller Jensen to be included in the new version of Eur Doc 18	M. Pichler P. Simon P.M.Jensen	METG27
DMG21-8-2	Prepare a WP for METG/27 with the proposal for a new ROC	P. Simon Russian Fed.	METG27
DMG21-13-1	Provide samples of non-scheduled data monitoring results for checking format.	L. Brojboiu H. Swinnen	DMG22
DMG21-13-2	Derive a list of agreed non-AOP aerodromes (based on the WP05 from DMG20) and present the list as part of the DMG report to METG	P. Simon	METG/27