

REPORT OF THE DATA MANAGEMENT GROUP

NINETEENTH MEETING

(Paris, 25-27 October 2016)

The nineteenth meeting of the Data Management Group was held from 25 to 27 October 2016 in ICAO Paris Office, 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. Laurentiu Brojboiu | Romania (Secretary) |
| Mr. Sergey Grabko | Russian Federation |
| Mrs. Tatiana Streltsova | 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:

1. Approval of the Agenda

DMG18 WP01 - Agenda

2. Approval of the DMG 16 report

DMG18 WP02 - DraftReport_DM17

3. Actions from previous meeting

DMG18 WP 02 - DMG17 action list

4. Information from other groups

ICAO

WP03 ICAO Items

EUR

EANPG, COG

METG

AFSG, AFSP/PG

VA

IP 6,7,8

Coordination with other regions

IP01

Global Groups

WG-MIE

MOG/SADIS

WMO

TT AvXML

5. IWXXM

IP 2,3,4
IP 6,7,8

CONOPS (DOC033) related elements

AFS outcome

WG-MIE outcome, inc. testing

ICAO IWXXM Workshop outcome (including IWXXM survey)

WP 3

Actions and coordination to be done for the next year

OPMET handbook

Review State letter relating to translation centre agreements WP 3 (A,B)
WP6

6. OPMET Data Monitoring results and action plans & PHP manager reportMonitoring results & following PHP actions, including

Systematically wrong formatted/coded OPMET data

Routing problems

WP05, 7

Missing data

WP 3 (follow-up)

Consolidated set of timers values

WP04

Special AIREP monitoring

Support to the new eANPDMG support for agreed exchanged non AOP aerodromes OPMETVolume III – MET

WP 3 (App C)

SIGMET, AIRMET implementation

Other OPMET implementation

7. Performance indices

Propose/create performance indices

8. RODEXRODC

- ROC Back-up procedures/ contingency arrangements

London → Toulouse

Toulouse → Vienna

Vienna → London

- Study possible foreseen improvements, prerequisites, technical and documentation changes to be in place prior to a possible creation of a new ROC for some PT/EAST States and report back to METG

9. EUR Documents

DOC 018 Handbook

IP05

DOC 033 CONOPS on XML

10. Next meetings

DMG 20, 28-30 March, dates Brussels
 DMG 21, 27-29 June, dates St Petersburg
 DMG 22, 24-26 October (TBC), Romania

11. AOB

Agenda Item 2: Adoption of DMG18 Report

The group reviewed and approved the DMG18 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 DMG18 meeting. The completed tasks were erased from the list (highlighted in yellow; see comments).

List of actions resulted after DMG18

| Ag. Item/BMG | Action item | Responsible | Target date |
|--------------|---|------------------------|-------------|
| | DMG15 | | |
| DMG15-9-3 | Update the ROC backup procedure to remove the references to other data sources apart from AFS or GTS | M. Pichler | DMG16 |
| DMG15-10-2 | Revise its corresponding tables in the OPMET Distribution Determination table (ROC-NOC and ROC-IROG) and verify/complete the AFTN addresses, CCCC for the NOCs, etc | ROCs | DMG16 |
| DMG15-10-3 | Optimise the structure of the Distribution Determination table for a better readability | M.Pichler H.Swinnen | DMG16 |
| | | | |
| | DMG16 | | |
| DMG16-4-5 | Obtain the headers for Special AIREP messages used by Malta and Portugal. | P. Simon | DMG17 |
| DMG16-5-7 | Progress report on the development of software applications for depiction of systematic TAC coding errors | P. Simon | DMG18 |
| | | | |
| | DMG17 | | |
| 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 C. Tyson | Permanent |
| DMG17-4-2 | Include in the DMG report to METG statement that PHP | P. Simon | METG26 |

| | | | |
|--------------|---|---------------------------|----------|
| | and PI cover only AOP aerodromes. It will also ask permission for DMG to address the EUR States (directly or through METG) on non-AOP aerodromes that are required by IATA. | | |
| 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 |
| DMG17-4-7 | Revise the DMG presentation | W. Demol P. Simon | DMG18 |
| DMG17-6-4 | Provide the text to update the PHP Procedure with respect to situations when the problem reporter become unavailable | G. Easthope H. Swinnen | DMG18 |
| DMG 17-6-6 | Prepare a dedicated WP for METG to state the necessity of an electronic version of Doc 7910 in support of the current activities of DMG | P. Simon | METG26 |
| DMG18 | | | |
| DMG18-3-1 | Implement the new AFTN addresses by DMG19 | ROCs | DMG19 |
| DMG 18-4-1 | WP for METG26 to inform that monitoring, PHP and PIs are only for AOP aerodromes. | P. Simon C. Keohan | METG26 |
| DMG 18-5-1 | WP for METG26 on SIGMET translation difficulties (including the need for correct data). State Letter relate to translation delegation attached. | M. Pichler C. Keohan | METG26 |
| DMG 18-5-2 | IP or WP on the requirements for AMHS connection using P3 for Meteo France (as stated by DSNA) | P. Simon | DMG19 |
| DMG 18-5-3 | IP or WPs on the testing scenarios used by ANSPs to connect MET switches to AMHS and exchange of data using extended AMHS. | DMG Members | DMG19 |
| DMG 18-5-4 | WP on updates to Eur Doc 033 | P. Simon | METG26 |
| DMG 18-6-1 | Investigate on the RQM coming from Portugal | P. Simon | DMG19 |
| DMG 18-6-2 | Perform monitoring for Annex 3 Amd 73 (keyword in the beginning of report) for Panama, Cuba, USA | P. Simon L. Brojboiu | DMG19 |
| DMG18-6-3 | Address ticket on SIGMET from Chad sent directly to Denmark | P. Simon | DMG19 |
| DMG18-6-4 | PHP inventory to be included in DMG report | G. Easthope | 15 Aug |
| DMG18-6-5 | Update PHP tickets status | PHP Handlers | 15 Aug |
| DMG18-6-6 | WP on presenting the availability of OPMET data per issuing State | H. Swinnen | DMG19 |
| DMG 18-8-1 | Include in the PHP section of the DMG report status of deviations from timers. Notification to states. | W. Demol G. Easthope | METG26 |
| DMG 18-9-1 | Report to METG on the current status of RODC | J. Funder G. Easthope | METG26 |
| DMG 18-9-2 | Review the updates to the Handbook | DMG members | Mid July |
| DMG 18-9-3 | WP for METG on the Eur Doc 018 Handbook updates | P. Simon | METG26 |
| DMG 18-13-1 | Update the DMG ToR with regard to NOC Moscow | P. Simon C. Keohan | METG26 |
| DMG 18-13-2 | Nominate contact person for PHP on behalf of Russian Federation | Russian Federation | DMG19 |

Tasks 15-10-2 and 15-10-3 were closed and a new action was initiated:

Action DMG 19-3-1: Michael, Herman and Graham will work together and present a common WP to DMG20 on the following: structure and content of the tables, difficulties envisaged (like GTS distribution), presentation of the information (e.g. on the DMG website).

Agenda Item 4: Information from other groups

WP03 – ICAO Items

C. Keohan presented to the group the main outcomes of the METG/26 meeting (20-23 September 2016). Among the issues related to DMG activities, the following were noted:

- WAFS & SADIS: forecasts for new levels (9.Nov.2016), updated guidance & training for CB, icing and turbulence
- VA exercises (VOLKAM, VOLCEX)
- EUR SIGMET and AIRMET Guide proposed updates
- SIGMET coordination for PT/EAST States
- Special AIREP – test exercises performed by DMG in Feb and Sep 2016
- IWXXM Implementation Plans: IWXXM exchange and translation TAC-IWXXM implementation dates (ROC Toulouse, ROC Vienna: 21.Nov.2016, ROC London: Nov. 2018); EUR RODBs request/reply in IWXXM: RODB Toulouse, RODB Vienna 21.Nov.2016, RODB Brussels June 2017.
- Guidelines for IWXXM implementation (Doc 033) – proposed revision to be published after approval by ANC.
- EUR OPMET Handbook (Doc 018) proposed revision to be published.
- Future workshop / seminar on IWXXM implementation
- Request for resolving issues related to SIGMET TAC->IWXXM translation by appropriate ICAO group.
- MET Deficiencies updates: Finland (METAR keyword), Norway (SADIS), Turkmenistan (24h TAF availability) removed; Uzbekistan (no SADIS) added.
- METG / DMG Terms of Reference

Regarding the latest, it was agreed the following action related to DMG competence:

Action DMG19-4-1: P. Simon will contact representatives from Algeria and Netherlands regarding their participation in DMG activities.

WP03 – ICAO Items

C. Keohan presented to the group the status of actions related to ICAO from DMG/18 and previous meetings. The named actions were discussed separately under the corresponding agenda items.

Related to the updates from the Russian Federation of the Special AIREP headers, it was noted that the implementation is expected for spring 2017 (the provider – RossHydromet – needs to update the aviation rules, which at the moment do not include special AIREPs).

Coordination with other Regions

IP01 – ASIA/PAC SIGMET Monitoring

M. Pichler informed the group about the future planned SIGMET Monitoring exercises that will take place in the ASIA/PAC region, as follows:

- 2 Nov 2016 for TC SIGMET
- 9 Nov 2016 for VA SIGMET
- 16 Nov 2016 for other phenomena SIGMET

The three ROCs and Brussels RODB were invited to perform the monitoring at these dates and provide the results to the SIGMET monitoring focal point, using the same format as used for EUR exercises.

Action DMG19-4-2: M. Pichler will prepare a WP for DMG20 with the results of the ASIA/PAC SIGMET monitoring.

Agenda Item 5 - IWXXM

IP02 - Status and planning of IWXXM implementation in Belgium

W. Demol presented a summary of the status and planning of IWXXM implementation in Belgium. The current capabilities included: translation from TAC-IWXXM (v.1.1, METAR/SPECI, TAF, SIGMET only polygonal) and transmission from MET switch to COM switch of IWXXM data as FTBP with compression. These were tested, approved by NSA and will be implemented at 10 Nov 2016.

The planned capabilities included: upgrade to IWXXM 2.0, RODB functionalities, SIGMET translation for non-polygonal area. These are planned for June 2017.

A number of bi-lateral tests were performed with Austro Control. One important issue noted during these tests was related to the use of IPM Heading Extensions (IHE). When IHE was not used, resulted messages with two body parts. It was considered necessary to include in the IWXXM AMHS profile the necessity of using IHE.

Action DMG19-5-1: H. Swinnen will provide details on the usage of IHE for IWXXM AMHS exchange. P. Simon will address the issue to the French representative to AFSG in order to be presented at the next AFS/PG meeting.

Later during the meeting, W. Demol recalled that the usage of IHE had been previously recommended in a WP for PG/62, but that it is not yet part of the IWXXM AMHS profile.

IP03 - Status and planning of IWXXM implementation in RO & RODB Toulouse

P. Simon informed the DMG members on the current status of IWXXM implementation for ROC Toulouse. The planned implementation dates for different capabilities were: TAC-IWXXM 2.0 translation at end of November 2016 (for METAR/SPECI and TAF) and respectively 2017 for SIGMET, AIRMET, VAA; AMHS with FTBP connection between Meteo France and DSN AFS COM switch at end of November 2016; RODB functionalities at end of November 2016.

The group was also informed on future planned bi-lateral tests for IWXXM exchange with Pretoria, or using AMHS (with FTBP) with Austro Control and/or AEMet (Spain).

It was noted that the schema provided a tag related to the "permissible use". Meteo France considered that this could be used to include the mention "test" to all IWXXM messages translated from TAC, until enough experience is accumulated.

IP04 - IWXXM 2.0 identified problems and status of implementation in Austria

M. Pichler presented to the group a number of problems that still were identified in the new version IWXXM 2.0:

- presentation of multiple observed VA clouds
- presentation of vertical or single level extents
- single point SIGMETs can't be represented
- intensity qualifier for Funnel Cloud

Regarding the status of implementation of IWXXM, M. Pichler informed that a new MET switch will be operational by the end of November 2016, offering many new capabilities like: AMHS connection with extended services to the COM-switch, conversion TAC to IWXXM 2.0, definition of permissible usage, transmission of IWXXM messages as FTBP with possibility of compression, RODB request/reply functionalities supporting IWXXM-messages.

The group was also informed that a tool to be used for validation of IWXXM coded data was prepared by IBL, providing the possibility to validate IWXXM-messages as well as to translate TAC in IWXXM.

IP06 – AFS PG/64 Meeting

P. Simon presented the draft Meeting Report of PG64, and in particular detail the aspects under *OPMET Digital Data Implementation*.

Regarding the updated Eur Doc 033, the PG noted that requests for TAC data can be sent via AFTN or via AMHS as international alphabet No5 (ia5 text). It was commented by the PG that it should be specified further if it is basic or extended ia5-text. The DMG members discussed that no indication is available for the extended ia5-text and agreed to ask for further clarifications.

The PG had noted that EUR AMHS Manual was going to be updated in order to include the IWXXM profile and the updated Manual was to be presented at the forthcoming AFSG for approval and endorsement. EUR Doc 033 can be updated afterwards, subject to COG approval.

IP04 had informed the PG about conformance tests for the AMHS MF UA performed between DSN and Meteo France, together with the lessons learnt and the proposed ways forward for the implementation.

Further technical details were discussed related to the AMHS profile and the test cases for IWXXM exchange. The PG agreed to work further to prepare a list of tests that could be used by interested parties for testing the exchange of OPMET data based on the specified AMHS profile.

The PG reviewed the current status of the connectivity between the ROCs. DMG members commented that the connectivity EGGY-EGGG implementation date needs to be confirmed (2018 instead of 2016). The DMG members considered that a graphical representation of the current status of connectivity will be desired. It was noted that such a representation is available for the COM centres. Similar to that, a connectivity chart for the OPMET centres would be desirable.

Action DMG19-5-2: C. Keohan will support DMG for deriving a chart depicting the connectivity of OPMET centres using AMHS.

WP03 - Continued

The State Letter for the translation service delegation to ROC Centres

The group discussed on the availability of service at ROCs. For METAR/SPECI and TAF it was considered the implementation was possible earlier, while for SIGMET at a later date, subject to addressing the issues related to this translation. It was also noted that the version of IWXXM that should be used was 2.0 (1.x versions have too many issues) and that AMHS was the transport means. It was also pointed that the State Letter should be concise and clear, with no ambiguities.

IWXXM workshop

The group discussed on the planned next workshop on IWXXM implementation. The agreed dates were 16-18 May 2017, hosted by ICAO Office in Paris. Regarding the participation, it was considered that presence of COM experts as well as XML coding experts will be beneficial. Representatives from WMO, WG-MIE, AFSG should be invited to the workshop.

Action DMG19-5-3: C. Keohan will address invitations to WMO, WG-MIE, AFSG to attend the IWXXM implementation workshop in May 2017.

C. Keohan will also work to derive the provisional agenda for the workshop. The main goal of the workshop should be to gather key information from the involved factors to be presented at the planned interregional seminar on service improvement through integration of AIM, MET and ATM information (2-5 October 2017, Eurocontrol Brussels).

Action DMG19-5-4: C. Keohan will work on a draft agenda for the IWXXM workshop and collaborate via e-mail with the DMG members (during the next 2 weeks).

WP06 – OPMET Data Volumes

Following a request coming from the CNG related to estimation of meteorological data volumes circulating on the PENS Network, H. Swinnen derived and presented to the DMG members statistics on the current TAC OPMET data traffic recorded during the September 2016 monitoring. The statistics included OPMET data traffic volumes per day, minimum and maximum volumes per TT-Type per Day, average bulletin length (min and max), peak hour traffic (lowest / highest).

It was noted that similar statistics could be derived for IWXXM data. One possibility could be to start from the TAC statistics and take into account the typical size ratio between TAC and IWXXM. Another possibility could be the IWXXM monitoring, making use of the existing test platforms for the exchange of IWXXM over AMHS. It was noted that poor or no IWXXM data traffic is available at the moment. A possible source could be IWXXM data translated from TAC. P. Simon informed that information could be captured during the tests that will take place between Meteo France and DSNA.

Action DMG19-5-5: P. Simon will try to derive statistics regarding the IWXXM traffic volumes during the peak hours and present an IP to the DMG20 meeting.

It was also mentioned that the current estimates represent the “worst case scenario”, the full volume of data available at one moment. In calculating the network bandwidth it should be taken into account the intended volume of data that is going to be circulated (as not every state require the full set of OPMET data available).

The group considered also the IWXXM data coming from the other regions. The three ROCs discussed on what information is available from their area of responsibility, regarding the intention of states to start the exchange of IWXXM data. It was also noted that the three ROCs will have to discuss and establish a plan to address the situation if ROC London will not be able to exchange IWXXM data.

Regarding the introduction of IWXXM data starting from November 2016, it was agreed that the promulgation of METNO messages with the corresponding headings will follow the next AIRAC date in December.

Agenda Item 6 – OPMET Data Monitoring

Consolidated Set of Time Values

WP04 – TAF Timers

W. Demol presented to the group the results of an extra monitoring related to compliance with proposed TAF timers. During the last monitoring, tickets were derived for stations in Eur not conforming. As a consequence of suspicions related to a synchronisation problem, these tickets were put on “wait” status and new statistics were derived. The new results showed that most of the T5-related tickets can be closed, only 5 remained.

The group expressed interest regarding the situation for data coming from the other regions. It was noted that results can be derived relatively easy based on the monitoring data, but the analysis of the results is time-consuming. The 3 ROCs agreed to divide the work and investigate the results for depicting deficiencies related to timeliness for non-EUR data. The following action was agreed:

Action DMG19-6-1: W. Demol will 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.

Based on the analysis of these results, action will be taken to deal with data non-compliant, either by opening PHP tickets or contacting the ICAO Office in the respective regions.

WP07 – OPMET Monitoring Results

H. Swinnen presented to the DMG members the details of the latest monitoring exercise in September 2016, followed by the presentation of the results grouped in different work packages. It

was pointed that the results are based on eANP Table MET II-2 as received from ICAO in February 2016.

It was questioned whether the update of SADIS User Guide Annexes 2 & 3 was still needed. It was agreed that if no major effort is implied, the annexes should be continued to be updated twice a year (after the monitoring periods) and published on the website when available.

The results were presented in ten work packages highlighting the availability of data from different perspectives. The three ROCs will analyse and derive the necessary actions for solving the deficiencies.

It was noted that for the time being there is no tool available for monitoring of IWXXM data. This should be considered further at a later stage when IWXXM data availability will increase.

WP05 – PHP Report

G. Easthope presented to the group the PHP tickets progress from June 2016 to October 2016.

Action DMG19-6-2: P. Simon will contact Morocco regarding GMMD (ticket 1112).

Action DMG19-6-3: Ticket 1128 (incorrect AFTN addressing from Chad) needs to be closed by P. Simon/ J. Funder, and a new ticket will be created by P. Jensen to address the issue.

Tickets 1113, 1118: could be set to status final closed, as the corresponding stations are already listed as *Partial* in the eANP Table MET II-2. In the future, when that will be the case, States will be invited (by the problem handlers) to advise ICAO on the data availability (in order to update accordingly the eANP table).

Regarding the IWXXM, it was considered that no action was required yet. The suggestion was to wait for one year until the situation become clearer regarding the requirements. It was noted that the application is actually suited for reporting any problems related to data availability, no matter if TAC or IWXXM, such that no problem are envisaged at this moment. Nevertheless, the DMG members agreed that investigations should begin related to PHP application for IWXXM data.

Action DMG19-6-4: The DMG members will analyse how the current types of problems as defined in the PHP application are applicable to IWXXM data and present to the next DMG meeting the required notifications or proposals.

Monitoring of Special Air Reports

The DMG members discussed the monitoring of Special AIREP messages. As for the time being the monitoring exercises are already in place for verifying the availability and correct routing of the data, question was raised whether monitoring of the correct format of the messages should also be addressed. The PHP application was considered to offer the proper support for addressing situations when the format is not compliant. The group discussed on the current regulations regarding the issuance and distribution of special air reports received by voice communication. Eventually, it was considered that for the time being the monitoring should concentrate on the availability and routing. Guidance should be obtained from ICAO regarding the opportunity of format compliance monitoring. C. Keohan mentioned that he was going to obtain relevant information on the subject from the MET Panel.

Action DMG19-6-5: C. Keohan will 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).

A decision will be taken at that stage on how to proceed further with Special AIREP monitoring.

WP03 - continued

Support for the new eANP – Vol. 3

C. Keohan informed the group on the progress with the development of volume 3 of the EUR ANP and presented a proposal for the format of the tables to be used for providing the results. It was noted that the intention was to have a simple and concise structure, presenting the status of implementation (per State) of required data. H. Swinnen noted that the current proposal mixes two indicators (one related to availability and one to timeliness) and proposed to have two different tables to address them individually. The proposal was fully supported by the DMG members and ICAO. For full-time AOP aerodromes, the proposed metric for availability of METAR/SPECI and TAF messages was that 95% of the expected messages are actually received. The metric for timeliness should be related to reception within the 60 minutes interval from the issuance to the start period of validity. This element changed since DMG/19.

It was noted during the discussions that the requirement that TAF messages be available at least 30 min before validity was not present anymore in the current version of the EUR ANP. It was appreciated that ~~that~~ could be a consequence of harmonising the EUR ANP with the Plans from the other regions. The 30 min interval was still mentioned in the EUR Doc 018. It was recalled that the requirement was established at METG/17. The DMG group agreed that METG should be notified that this was excluded from EUR ANP. It was also appreciated that for the METAR messages the current provisions within the ANP are not really clear whether 30 min or 1 hr frequency should be used.

Action DMG19-6-6: P. Simon will 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, as well as for the frequency of METAR messages.

As for the SIGMET messages, taking into account that these are not regular messages, the deriving of similar metrics will be slightly complicated. One possible way forward would be to make use of results from an extended monitoring period (5-6 month). It was agreed that C. Keohan will work together with G. Easthope and provide a proposal to the next DMG meeting.

Action DMG19-6-7: C. Keohan and G. Easthope will work together on a proposal for the metrics associated to availability and timeliness of OPMET messages and present that to DMG20.

Regarding IWXXM, it was mentioned that status of implementation needed to be reflected into the volume 3 also, but currently there are not enough elements available. At a later stage, a working team could be established to reflect on the possible metrics related to IWXXM implementation within the region.

Agenda Item 9 - RODEX

ROCs Backup Procedure

It was appreciated that a good starting point would be an inventory of the headings used by each of the three ROCs, which will contribute to an agreed final list of headings used in the RODEX schema. There should also be taken into account the way to maintain such a list over time. Then the procedure itself should be considered. The aim was to complete the action the next year, preferable before METG. The work will concentrate on TAC only (no IWXXM for the moment).

Action DMG19-9-1: The 3 ROCs will present a WP at DMG20 related to the progress with the backup procedure implementation.

Extra ROC for PT/EAST

In response to the WP presented by the Russian Federation at METG26 regarding the establishing of an extra ROC for the PT/EAST states, the DMG members agreed that a pragmatic way of addressing the issue would be to establish a working group.

Action DMG19-9-2: A working group consisting of P. Simon, M. Pichler and C. Keohan will present a WP at DMG20 on the work programme related to establishing of a new ROC for PT/EAST states.

IP05 DMG Presentation

W. Demol presented to the group the updated presentation of the DMG group and its activities. There was noted that an amendment should be made related to the monitoring periods (only once per year for SIGMET and AIREP). A mention related to the ROCs backup procedure should be also included in the presentation.

Agenda Item 12: Next DMG Meetings

Dates and location of the next meetings

DMG20: 28-30 March 2017, Brussels

DMG21: 27-29 June 2017, St. Petersburg

DMG22: October 2017, Romania

Agenda Item 13: Any Other Business

The AIRAC 10 Nov. 2016 OPMET METNO bulletin is very important:

- NAM Region, United States OPMET changes.
- MID Region, Saudi Arabia OPMET changes.

eANP Tables on the provision of Meteo Services and OPMET requirements shall be accessible to DMG Members on the ICAO Paris website after registration: ICAO PARIS – secure portal – SPACE – Catalogue – ANP.

ROC Vienna, Roland Hochreiter is assisting MID ROC Jeddah (OEJD) with the implementation of DMG functionalities in the MID-Region:

- EUR ROC Vienna shall implement the MID Region METNO OPMET changes and bulletins in the EUR Region by means of the EUR Region METNOs.
- DMG FP provided the eANP Vol. II Table MET II-2 OPMET requirements to Roland for generating MID ROC OEJD OPMET Routing Tables.

WP03 Non-AOP OPMET Data management: Agreed OPMET data for non-AOP aerodromes will be maintained by the DMG (METP WG/MOG outcome).

- The DMG monitors ALL OPMET Data, AOP and also Non-AOP.
- One of the DMG monitoring working packages is dedicated to issue AOP and Non-AOP METARs and TAFs in separate TTAAii CCCC Bulletins: DMG19 WP07 - OPMET_Bulls_Routine_FASID_13102016.xlsx.
- For managing Non-AOP OPMET Data, it is suggested to have the Non-AOP OPMET Data registered by means of the EUR OPMET Data Update Procedure METNOs.

List of actions resulted after DMG18

| Ag. Item/BMG | Action item | Responsible | Target date |
|--------------|--|-------------|-------------|
| DMG15 | | | |
| DMG15-9-3 | Update the ROC backup procedure to remove the references to other data sources apart from AFS or GTS | M. Pichler | DMG16 |
| | | | |

| DMG16 | | | |
|--------------|--|--|---------------|
| DMG16-4-5 | Obtain the headers for Special AIREP messages used by Malta and Portugal. | P. Simon | DMG17 |
| DMG16-5-7 | Progress report on the development of software applications for depiction of systematic TAC coding errors | P. Simon | DMG18 |
| DMG17 | | | |
| 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 C. Tyson | Permanen t |
| 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 |
| DMG18 | | | |
| DMG18-3-1 | Implement the new AFTN addresses by DMG19 | ROCs | DMG19 |
| DMG 18-5-3 | IP or WPs on the testing scenarios used by ANSPs to connect MET switches to AMHS and exchange of data using extended AMHS. | DMG Members | DMG19 |
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| DMG18-6-6 | WP on presenting the availability of OPMET data per issuing State | H. Swinnen | DMG19 |
| DMG19 | | | |
| DMG 19-3-1 | Present a WP on the following: structure and content of the distribution tables, difficulties envisaged (like GTS distribution), presentation of the information (e.g. on the DMG website). | M.Pichler H. Swinnen G. Easthope | DMG20 |
| DMG 19-4-1 | Contact representatives from Algeria and Netherlands regarding their participation in DMG activities. | P. Simon | DMG20 |
| DMG 19-4-2 | Prepare a WP with the results of the ASIA/PAC SIGMET monitoring | M. Pichler | DMG20 |
| DMG 19-5-1 | Provide details on the usage of IHE for IWXXM AMHS exchange. P. Simon will address the issue to the French representative to AFSG in order to be presented at the next AFS/PG meeting | H. Swinnen | |
| DMG 19-5-2 | Derive a chart depicting the connectivity of OPMET centres using AMHS | C. Keohan | DMG20 |
| DMG 19-5-3 | Invitations sent to WMO, WG-MIE, AFSG to attend the IWXXM implementation workshop in May 2017 | C. Keohan | May 2017 |
| DMG 19-5-4 | Prepare a draft agenda for the IWXXM workshop and collaborate via e-mail with the DMG members (during the next 2 weeks). | C. Keohan | Nov 2017 |
| 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 |

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| DMG 19-6-2 | Contact Morocco regarding GMMD (ticket 1112). | P. Simon | DMG20 |
| DMG 19-6-3 | Ticket 1128 (incorrect AFTN addressing from Chad) needs to be closed by P. Simon/ J. Funder, and a new ticket will be created by P. Jensen to address the issue | P. Simon P. Jensen | DMG20 |
| DMG 19-6-4 | Analyse how the current types of problems as defined in the PHP application are applicable to IWXXM data and present to the next DMG meeting the required notifications or proposals. | DMG members | DMG20 |
| 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, as well as for the frequency of METAR messages. | P. Simon | METG |
| DMG19-6-7 | Work on a proposal for the metrics associated to availability and timeliness of OPMET messages and present that to DMG20. | C. Keohan G. Easthope | DMG20 |
| DMG19-9-1 | Present a WP related to the progress with the backup procedure implementation. | 3 ROCs | DMG20 |
| DMG19-9-2 | Present a WP on the work programme related to establishing of a new ROC for PT/EAST states. | P. Simon M. Pichler C. Keohan | DMG20 |
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