

REPORT OF THE DATA MANAGEMENT GROUP

SIXTEENTH MEETING

(Paris, 20-22 October 2015)

The sixteenth meeting of the Data Management Group was held from 20 to 22 October 2015 in ICAO Paris Regional Office premises, and was attended by the following participants:

List of participants

Mr. Abdelhalim Lakehal	Algeria
Mr. Bachir Hamadache	Algeria
Mr. Michael Pichler	Austria
Mr. Herman Swinnen	Belgium
Mr. Wim Demol	Belgium
Mr. Johnny Funder	Denmark
Mr. Patrick Simon	France (Chairman)
Mr. Peter van Uden	Netherlands
Mr. Laurentiu Brojboiu	Romania (Secretary)
Mr. Catalin Popa	Romania
Mr. Gamaiak Varedzhian	Russian Federation
Mrs. Olga Petrova	Russian Federation
Mr. Mohamed Zahmoul	Tunisia
Mr. Heni Imed	Tunisia
Mr. Chahed Rafik	Tunisia
Mr. Graham Easthope	United Kingdom
Mr. Chris Tyson	UKMO
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

DMG16 WP01 - Agenda

2. Approval of the DMG 15 report

DMG16 - DraftReport_DMG15

3. Actions from previous meeting

DMG16 - DMG15 action list

4. Information from other groups

ICAO

WP02 ICAO Items with Attachments:

DMG16 WP02 - Attachment A - Global SIGMET Header Database DMG16
WP02 - Attachment B - States with Missing AIREP headers in EUR
Region.

DMG16 WP02 - Attachment C - METG25 RPT opmet issues
DMG16 WP02 - Attachment D - IROG map (2jul2015)

EUR

EANPG, COG
 METG

DMG16 IP03 METG25 FL08 Future Work Programme

AFSG, AFSP/PG

DMG16 IP02 AFSG PG60 WP11 AMHS support of IWXXM exchanges
 VA

Coordination with other regions

See IWXXM

Global Groups

WG-MIE
 MOG/SADIS

WMO

TT AvXML

5. IWXXM

CONOPS

AFS/PG outcome

Actions and coordination to be done for the next year

Workshop

IWXXM survey

testing platform

WP

DMG16 WP07-Support of IWXXM by RODBs

6. OPMET Data Monitoring results and action plans & PHP manager report

Systematically wrong formatted/coded OPMET data

Monitoring results (actions PHP)

PHP

Proposed action plans

Missing data & Routing problems

Monitoring results (actions PHP)

DMG16 WP05 OPMET_Monitoring_Results_September2015

DMG16 WP06 SIGMET-Monitoring

Special AIREP monitoring

PHP

Proposed action plans

Support to the new eANP Volume III – MET

7. Performance indices

8. Consolidated set of time values

9. RODEX

RODC DMG16_WP04 - RODC SD issues

ROC Back-up procedures/ contingency arrangements

London → Toulouse
Toulouse → Vienna
Vienna → London

Implementation plan on transfer from some States from AFI to MID
[Libya and Sudan included in MID](#)

Implementation plan on transfer from some States from AFI to EUR
[Morocco, Algeria, and Tunisia included in EUR](#)

10. EUR Documents

DOC 018 Handbook

DMG16 WP03 EUR Doc 18 (EN) - 5th edition, Version 1.13

Presentation document of the DMG and its activities

11. Next meetings

Agenda Item 2: Adoption of DMG15 Report

The group reviewed and approved the DMG15 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 DMG15 meeting. The completed tasks were erased from the list (highlighted in yellow; see comments).

List of actions resulted after last DMG meeting

Ag. Item/BMG	Action item	Responsible	Target date
	DMG11		

DMG 13-5-2	Check with Finland for implementation of METAR keyword	G. Easthope	DMG14
	DMG14		
DMG14-4-2	Obtain Special AIREP headers from Malta	P. Simon	DMG15
DMG14-6-3	Contact ICAO SAM Office for data not compliant to Amd 73	C. Keohan	
	DMG15		
DMG15-4-1	Contact Finland on the conformity with Amd. 73 for the SAFI32-34 bulletins, mentioning that this will be included in the deficiencies database if not solved.	C. Keohan G. Easthope	METG25
DMG15-3-1	Update the EUR OPMET Handbook with respect to the definitions of the PIs and removal of FTP sites.	J. Funder G. Easthope	DMG16
DMG15-3-2	Include in the DMG report provisions stating the importance of Special AIREPs and the necessity for the ANSPs to report	P. Simon	METG25
DMG15-6-1	Updated RMK monitoring results to include country and station names. Include into the Appendix to the DMG report to METG (section Deficiencies).	J. Funder P. Simon	METG25
DMG15-6-2	Filter the data in the PHP listing with the latest version of the requirements and update the list of deficiencies which will be presented to METG	C. Keohan A. den Uijl	METG25
DMG15-6-3	Present to METG a Filmsy with a draft conclusion asking for the update of SUG	C. Keohan	METG25
DMG15-6-4	The DMG report to METG will include a statement that producing FT instead of FC is not recorded as a deficiency as the requirement is fulfilled	P. Simon	METG25
DMG15-6-5	Derive action plans for ROC Toulouse and London on double reception and reports in more than one bulletin.	M. Pichler	DMG16
DMG15-6-6	Contact centres in their AoR or the corresponding IROGs to stop additional provision of OPMET data. If it is a systematic deficiency, raise that through PHP	ROC Toulouse ROC London	DMG16
DMG15-9-1	Update the RODC Specification Document according to the discussions during DMG15. The updated version will be provided to P. Simon	J. Funder	July 2015
DMG15-9-2	Present RODC SD as an IP to the DMG report	P. Simon	METG25
DMG15-9-3	WP with unresolved issues related to RODC SD	J. Funder	DMG16
DMG15-9-4	Check with ICAO whether the updated MET 2A table can still be made available, as an essential source for updating the RODC catalogue	C. Keohan	DMG16
DMG15-9-5	Compile a listing of the SIGMET headers used globally. Provide available information from EUR, MID, ASIA/PAC and G. Easthope for the NAM	M. Pichler C. Keohan	
DMG15-9-6	Provide an inventory of the SIGMET headers monitored during the last period	A. den Uijl H. Swinnen	
DMG15-9-7	Prepare a WP for the next MET IE meeting (November 2015) having the subject the necessity to have a global database of SIGMET headers and a procedure to periodically update this database	P. Simon C. Keohan G. Easthope	Nov. 2015

DMG15-9-8	Prepare a WP for the MIE to show the need for a reliable source of metadata	P. Simon	Nov. 2015
DMG15-9-1	Coordinate and check the procedure for ensuring data to SADIS when ROC London is backed-up by ROC Toulouse	P. Simon G. Easthope	DMG16
DMG15-9-2	Implement the new AFTN addresses	ROCs	DMG16
DMG15-9-3	Update the procedure to remove the references to other data sources apart from AFS or GTS	M. Pichler	DMG16
DMG15-8-1	Provide the statement to be included into the DMG report related to DMG decision to not implement operationally the timers but to use those off-line for depiction of deficiencies	G. Easthope	METG25
DMG15-8-2	Update the Handbook by adding the new values of the timers and include indication on transition phase (the old values are currently in use)	J. Funder	DMG16
DMG15-8-3	Check the values of the timers used for the monitoring and will filter data (only EUR and excluding typos) for an easy depiction of deficiencies.	M. Pichler	DMG16
DMG15-10-1	Include into the DMG report that the DMG responded to the METAR Issuance ad-hoc subgroup and provided clarification on the terminology used for time (observation time only) and inform that if so decided, changes can be announced via the updated METNO procedure.	P. Simon	METG25
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
DMG15-5-1	The Draft ConOps will be presented to METG25. The DMG report shall include a draft conclusion related to the publication of the ConOps as an EUR –xx Document	P. Simon C. Keohan	METG25

Agenda Item 4: Information from other groups

ICAO Presentation on the METG25 outcome

C. Keohan presented to the group the outcome of the METG25 meeting held between 13-16 October at ICAO Paris premises, with particular highlight on the issues related to the DMG activities.

Related to the cessation of SADIS 2G service (31 July 2016), a draft conclusion was proposed stating that the ICAO EUR take actions to ensure that states are prepared to migrate to Secure SADIS FTP Service. A state letter will be sent the next week in this respect.

The DMG meeting was informed that the revised EUR SIGMET and AIRMET Guide (EUR Doc 014) was published on the ICAO EUR website. The important updates include:

- Removal of UIR
- Improving guidance related to amending SIGMET
- Updating WMO AHL
- Introducing guidance on corrected SIGMET
- Introducing guidance on special air-reports

The group was also informed that the updated EUR OPMET Management Handbook (EUR Doc 018) was ready to be published as well on the ICAO EUR website. The updates include:

- Explaining performance indices
- Removal of references to the FTP sites
- Introducing guidance on the format and dissemination of special air-reports

On the special air-report testing, METG had taken note of the corresponding DMG proposal and approved a draft conclusion which states that the DMG should organize and perform a Special AIREP test and monitoring in February 2016, similar to the SIGMET tests performed regularly. The results shall be reported to the next METG meeting.

It was noted that as not all states had participated to the METG meeting and therefore it was considered beneficial that a state letter be sent by ICAO Paris to inform states on the planned Special AIREP test, asking also to communicate the designated focal points who will be involved in this test.

Action DMG16-4-1: DMG shall organize a test and monitoring of Special AIREP in February 2016 in order to identify routing problems and other issues related to these messages. The results will be reported to METG26.

M. Pichler will also distribute information to the EUR states related to the planned test. The contact list for SIGMET tests will be used for this occasion too.

The DMG was informed that the survey related to IWXXM implementation had been launched by ICAO and it recorded a high response rate from the states. Apart from gathering the current and future situation related to IWXXM implementation, the survey served also to raise the issue to the states and make people aware that certain actions are required in this respect.

The group was informed that a draft conclusion was agreed stating that the CONOPS document be published as an EUR Doc (no 033) and also forwarded to WG-MIE meeting (November 2015) to be considered for global guidance.

Regarding the IWXXM implementation plan, the METG agreed on a draft conclusion that tasked DMG (with assistance from AFSG/PG) to define and monitor an intra-regional implementation plan on IWXXM data exchange, including planning implementation of AMHS links by States to their associated ROC. Report on this progress to METG.

Regarding the translation from TAC to IWXXM, METG agreed on a conclusion that mandated ICAO Paris to inform States in the EUR Region by means of a state letter that if not in a position to provide OPMET data in XML to request its respective ROC to translate TAC to XML on the States' behalf until the State can provide OPMET data in XML.

Met Deficiencies

- Runway state in METAR: at METG25, Russia and Luxembourg informed that action has been initiated and results can already be verified. If positive, withdraw from the deficiencies list. In this respect, the following action was agreed:

Action DMG16-4-2: J. Funder will perform a verification regarding the usage of runway state group(s) in METAR and SPECI in accordance with Annex 3, Table A3-2 and communicate the results to ICAO Paris before EANPG/57 meeting.

- 24 hour TAF from Algeria: already implemented at 7 aerodromes.
- METAR keyword in Finland AOP reports – implementation plan for two while the third aerodrome is expected to be closed down.
- Deficiencies added for Tajikistan and Turkmenistan for the airports where 12 hour TAF are provided instead of 24 hr (IATA requirement).

The DMG Group reviewed the updated Work Programme of DMG for 2015-2016, taking note of the changes to this document.

Regarding the composition of the DMG, it was noted that although the number of participants should be kept reasonable for efficiency of work, two new members are added to the group. These are the representatives of Russia and Algeria, states in AoR of ROC Vienna and Toulouse.

P. Simon informed that a workshop is planned with the States that recently joined the EUR Region (Algeria, Morocco, Tunisia) with participation of ROC Toulouse and ICAO Office, aiming to introduce the activities performed at region level regarding the OPMET data exchange.

WP 02 – ICAO Items

App. A – SIGMET Headers Database

With respect to the development of a global database of WMO AHL for SIGMET, C. Keohan presented to the group a first draft, based on SIGMET guidance material in the AFI, APAC, CAR, EUR, MID, NAM and SAM Regions. The group agreed that the next steps should be to confront this listing with the monitoring results and the discrepancies be forwarded to the appropriate ICAO RO to address to the corresponding State for clarification.

Action DMG16-4-3: M. Pichler will confront the inventory of SIGMET headers with the latest monitoring data in order to identify discrepancies.

It was also noted that the representatives of France, UK and ICAO Paris will present to the next WG-MIE meeting (November 2015) an working paper on the agreed way of action for compiling the SIGMET headers list, requesting also that the secretary of MIE forward the discrepancies for clarification to the corresponding ICAO RO.

App. B – Special AIREP Headers

C. Keohan presented to the group an updated list of States with missing WMO AHL for special air-reports by area of ROC. The following actions were agreed:

Action DMG16-4-4: P. Simon and C. Keohan will work with the Russian Federation representatives on the proposed Special AIREP headers to be used within their region.

Action DMG16-4-5: P. Simon will try to obtain the headers for Special AIREP messages used by Malta and Portugal.

Volcanic Ash

C. Keohan informed the group on the latest developments regarding the volcanic ash action plan, including a planned exercise for 2016.

WMO TT AvXML

P. Simon informed the group that a new draft version of the schema will be released in March 2016, with the intention of publication in May 2016 (at least 6 month in advance of Amd. 77). The new schema will introduce simplification for SIGMET, but will also include provisions for messages like AIRMET, Volcanic Ash Advisories and Tropical Cyclone Advisories.

It was mentioned that WMO will raise to ICAO (via MIE / IMP) the question related to the inclusion of metadata (for aeronautical information) in the schema, e.g. information related to FIR boundaries (is that needed or not?). Another request will be that in case of code changes, the respective modifications to the schema to be delayed for one year from the ICAO Annex 3 amendment, as 6 month was considered a term too short for States to take all the necessary measures for implementation.

There was also mentioned the intention to include provisions in the XML schema for test/exercise messages and for the groups for the translation centre (if the case). These proposals will be forwarded to MIE.

The following issues had also been discussed during the WMO TT AvXML:

- *Optional groups*

Following the proposal coming from the US that RMK groups be distributed internationally, and noting that there are other situations when states use this group to distribute internationally additional information (Norway, Portugal), it was noted that currently the schema does not offer this possibility. The proposal from the WMO group was that information should be obtained from the states on these additional needs and, based on that, the update of the

schema to permit the inclusion of optional groups. That was considered a safe, controlled way to introduce additional information in the schema. DMG members noted that a similar conclusion came from the METG, although free-text was mentioned there. The outcome of the discussions within MIE related to this subject will be forwarded to C. Keohan before EANPG such that a harmonized solution be proposed.

- Limitation in the codes: it was mentioned that the current limitations (like number of evolution groups in TAF, number of points describing areas in SIGMET, etc) might need revision when implemented in XML.
- Missing data in METAR should be permitted (not to reject an entire message due to one single parameter missing)
- No routing of rejected data (failing schema verification).

It was noted that the above proposals raised during TT AvXML WMO will be forwarded to ICAO MIE by the individual members of the groups. It was mentioned that these have no chance to be implemented into the new version of the schema, which will only be based on the current Annex 3 provisions.

Regarding the verification of compliance to the schema, P. Simon informed the group that at Meteo France there is currently under development software for the purpose of TAC to XML conversion, which has the ability to highlight problems encountered with data that is not following the regulations. It was mentioned by the DMG members that such a tool will be valuable for the other centres also in the process of data verification. P. Simon informed that the software could be put at DMG members disposal in 2 month time, after going through the internal test period.

SADIS

C. Tyson presented to the group a summary of SADIS developments, including:

- Introduction of 1-min updates of alphanumeric OPMET data via Secure SADIS FTP
- Removal of redundant folders relating GRIB1, Trial WAFS products on Secure SADIS FTP
- Removal of T+18 hrs folder, T4 charts
- Increase of Secure SADIS FTP individual client connections limit from 512Kbit/sec to 1024Kbit/sec

Regarding the planned availability of low-level graphic forecasts on Secure SADIS FTP, C. Tyson informed the DMG members that a six month trial period is scheduled for Jan – July 2016, and it will imply upload of graphic charts via the AMHS system (using the extended AMHS and FTBP).

Agenda Item 6 - EUR OPMET Data Monitoring results & action plans. PHP manager report

With relation to the PHP report, it was noted that DMG is in the process of changing the PHP manager, G. Easthope replacing A. den Uijl. As a result, no PHP report was available yet and it will be compiled after the next monitoring exercise and presented to DMG.

WP05 – OPMET Monitoring Results

H. Swinnen presented the results of the latest OPMET monitoring exercise in September 2015. Related to the missing WIFS OPMET monitoring, P. Simon informed that during the third day of the exercise an error occurred and data are not available for that day. For the first two days results are available and will be provided.

Action DMG16-6-1: P. Simon to provide to H. Swinnen the WIFS OPMET results from September monitoring.

After the presentation of the results, the group agreed that the highlighted deficiencies be addressed through the PHP procedure.

Action DMG16-6-2: G. Easthope and H. Swinnen (with support from C. Keohan) will work together to check the monitoring results and derive PHP tickets, by the end of this year.

With reference to the OPMET deficiencies, C. Keohan suggested that prior to inclusion in the deficiencies list, these should be presented first to ICAO in order to be confronted with the eANP (the most up-to-date source) as it not may be the case of deficiencies.

WP06 SIGMET Monitoring

M. Pichler presented to the group the results of the latest SIGMET monitoring (including VA SIGMET) performed in September 2015.

When analysing the results it was noted that some of the headers used were different than the ones listed in the EUR Doc 014. Therefore, the following action was proposed:

Action DMG16-6-3: C. Keohan will check with the corresponding States what are the correct SIGMET headers used by Finland, Georgia, Ireland, Spain and Switzerland.

Further M. Pichler asked the DMG members whether a new format for reporting the SIGMET monitoring results by the states to the focal point, based on CSV structure, would be appropriate. The DMG members expressed their strong support in that direction, since the new format will permit to the States the automation of the process to fill-in the results. It was proposed and agreed by the group that the results will comprise the details of every SIGMET message received during the monitoring period, one entry per line, in CSV. This change shall be announced in due time to allow the states to take the necessary actions, possibly even for the planned Special AIREP monitoring exercise in February 2016.

Action DMG16-6-4: M. Pichler will update the SIGMET monitoring procedure to cover the planned result reporting format based on CSV and inform in due time the States on the possibility to use this new format.

For the States not able to switch to the new reporting format, the Excel format could still be used for a period of time.

IP01 – PHP Ticketing Application Update

H. Swinnen informed the group that the PHP application Development Team (Belgocontrol) has updated the application in terms of optimisation and notification emailing to the PHP Team members. Also the application is ready to be ported to a new server. The DMG members were requested to check the corresponding URL and also their credentials for accessing the application. Also the new DMG members shall provide their information for creating accounts on the ticketing application.

Action DMG16-6-5: The DMG members shall review/update/provide their credentials for accessing the PHP Ticketing application to H. Swinnen who will take actions to implement this into the new version of the application.

Agenda Item 10 – EUR Documents

WP03 EUR Doc 18 (EN) - Edition 6th edition, Version 1.13

Following action DMG15-3-1 J. Funder updated the EUR OPMET Management Handbook. The new version was published by ICAO and was also made available on the DMG account on Google Drive. The updates included:

- Removal of all references to the FTP sites
- Introducing guidance on the format and dissemination of special air-reports
- Planned transition to new OPMET timer values

Agenda Item 9 - RODEX

WP04 - RODC Specification Document

Following action DMG15-9-3, J. Funder presented to the group a list of outstanding issues related to the RODC SD.

Related to the need of the headers used for non-routine data (SIGMET, FA, FB, UA) the group was informed by C. Keohan that such information can be obtained on the ICAO Paris website, under the section EUR/NAT Documents \ EUR Documents \ MET Guidance.

Related to the situation when a report is announced to move to another bulletin while in real traffic the report is still transmitted in the original bulletin, the meeting agreed that this issue should be treated as a deficiency and correspondingly addressed through the PHP.

For the TAC to XML transition, it was considered that no particular action is required, since the RODC deals with stations and headers only, not with content. An additional field will be required, though, to record the availability of data in XML format, giving the user the possibility to choose what to receive for a particular station (TAC or XML).

Taking into account the above considerations, the following action was concluded:

Action DMG16-9-1: J. Funder will update the RODC Specification Document taking into account the results of the discussions on the outstanding issues (DMG16 WP04).

It was also recalled the need for finding the hosting of the RODC application. DMG members are therefore asked, once the RODC SD is mature, to undertake a feasibility study for implementing and/or hosting the RODC application.

Implementation plans

C. Keohan informed the group on the current status of the implementation plans for transfer of some States from AFI to MID region and from AFI to EUR region, noting the good progress reported (for AFI to MID, possible 13 out of 15 plans already **at least partially** implemented).

Agenda Item 7 – Performance Indices

G. Easthope informed the group that the performance indices are being calculated following the latest monitoring (September 2015) and that the results will be published on the website during the next few weeks.

Agenda Item 8 – Consolidated Set of Time Values

WP09 – Timers Monitoring (LOWM)

Following action DMG15-8-3, it was agreed that an off-line verification of the monitored data against the agreed timers was necessary in order to depict systematic deviations in the EUR Region.

Action DMG16-8-1: M. Pichler, W. Demol and H. Swinnen will work on the results of the latest monitoring for the EUR aerodromes listed in MET2A in order to depict systematic deviations from the threshold values agreed for the timers. The systematic deficiencies will be addressed via PHP and presented at DMG17.

Agenda Item 5 - Draft Concept of Operations for the Transition of OPMET Data Exchange using IWXXM

The representatives from France, UK and Russian Federation participated to the regular webex meeting of the WG-MIE. The DMG members were informed on the subjects addressed, particularly on the proposal that the CONOPS to become a global document. This proposal will be discussed in detail during the next meeting of MIE. It was noted that the next MIE and IMP

meetings will take place at the same time in Montreal in November 2015, giving the opportunity for a joint session where some of the issues related to transition to IWXXM could be addressed.

The current version of the ConOps will nevertheless be issued by ICAO Paris as a regional document (Eur Doc 033) and published on the ICAO website in December 2015.

As noted during the METG presentation, a workshop on the IWXXM implementation was agreed to take place at ICAO Paris premises from 26 April. **After the meeting, it was realized due to another meeting conflict, that the workshop would take place from 31 May 2016 – 2 June 2016.** The workshop is planned for two days (with the possibility for one extra day) and participants are expected from global exchange hubs (ROCs, RODBs, IROGs, other organisations).

The meeting recalled that one action from METG & COG was related to the development (with assistance from AFSG-PG) of an implementation plan for the IWXXM data exchange, including planning implementation of AMHS links by States to their associated ROC. C. Keohan informed the group that most of the States responded to the survey that will implement this link, but no plan is available yet. On this matter, the following action was agreed:

Action DMG16-5-1: P. Simon will prepare a working paper for the next AFSG meeting (18-22 Apr 2016) on the planning implementation of AMHS links by the States to their associated ROC. The WP will be discussed during the next DMG meeting.

One other action from METG & COG was related to the TAC to XML translation performed by the ROCs on behalf of States not in a position to provide XML data. The group agreed that a State letter distributed by ICAO Office will be needed to invite the States not in a position to provide XML data to request their associated ROC to do the translation on their behalf. A one-page template of such an agreement could be attached to the State letter. Some concerns were expressed related to the terms and conditions for such an arrangement. It was noted that this letter should be available around November 2016, therefore the following action was agreed:

Action DMG16-5-2: C. Keohan (with support from the DMG members) will prepare a draft version of the state letter on the TAC to XML delegation and will present that at DMG17 meeting.

In addition, it was considered useful to amend the EUR Doc 018 to include into the ROC functions the translation of TAC to XML for the states in the AoR that are not in position to provide XML data. This could be proposed to METG with a working paper.

The DMG was also tasked by the METG to define a process to ensure that XML data generated are compliant to IWXXM schema. It was considered that a possible description of the procedures to be followed for data not compliant could be included by the Eur Doc 018. On the other hand, it was noted that the current version of the Eur Doc 018 does not contain any information related to IWXXM. Taking into account the changes induced by Annex 3 amendment in Nov 2016, it was considered necessary that by that time an updated version of the EUR OPMET Management Handbook be developed to include provisions related to IWXXM. The first approach would be that a proposal of the new structure of the document be presented to the next DMG.

Action DMG16-5-3: H. Swinnen and L. Brojboiu will work on a proposal for the new structure of the Eur Doc 018 in order to include provisions related to IWXXM exchange and will present this proposal to DMG17.

Based on the decision taken following the discussions during DMG17, the work could be divided between the DMG members such that one person will have to update a specific chapter/section of the document.

The DMG members went through a quick review of the CONOPS related resolutions.

- In 3.1. Managing the transition – it is mentioned that an implementation plan shall be available to facilitate the implementation at different rates for different regions. The DMG

members agreed that more information on the development of such a plan will be available after the MIE meeting and the Workshop on IWXXM transition.

The group noted that will be beneficial if experience related to IWXXM implementation is shared between the States. Therefore, the following action was proposed:

Action DMG16-5-4: G. Easthope will prepare a working paper to be presented to the next AFSG meeting and urging States that already implemented (or are in a position to do so) the IWXXM exchange to share their experience on this subject, including technical elements regarding interfacing with the AMHS systems.

- In 3.2 National Variances – the document states that national extensions (including rmk) will be removed before international distribution. On this matter the proposal is that still national extensions are not allowed, but there will be a set of globally agreed optional groups used to serve the particular needs. The proposal for the acceptance of these optional groups will go to the MIE via a working paper presented by P. Simon (possible support from Eurocontrol, UK).
- 3.3 Assumption 6 - Inclusion of the translation centre and date/time of translation be included in the XML message: proposed to MIE in the WMO working paper (otherwise, P. Simon will do that).
- Assumption 7 – all inter-regional exchange using IWXXM only. It was considered a good objective, but may be amended in the future if necessary (if TAC still kept).
- Compression techniques: WMO wp to MIE (discussed with IMP) on the possibilities. The proposal will be to use a worldwide standard compression technique.
- Compliance testing: Meteo France could provide support. Will be discussed next DMG
- 3.7 Databank – WP07 available

WP07 Support of IWXXM by RODBs

A DMG pre-meeting, with Michael, Patrick and Wim, relating to the IWXXM transition for the EUR RODBs took place on 19/10/2015. M. Pichler presented to the group the results of the discussions, and a number of issues that need to be resolved before implementation of RODBs support for IWXXM, such as:

- Conversion between IWXXM and TAC (see also 2.1)
- Different AFTN-Addresses for TAC- and IWXXM-requests
- Different prefix for TAC- (RQM) and IWXXM-requests (RQX)
- RQX-request shall be sent as FTBP
- Requirement to introduce new entries in the AMHS EITS (see also 2.4)
- One RQX request should be answered by one AMHS message with one FTBP

On the RQX request sent as FTBP, the group discussed on the pro-s and con-s of this solution. It was noted that the current version of the CONOPS was agreed by the group and furthermore it was approved by the METG. Therefore, there is not feasible to update a document approved during the last month. If practical reasons are in support of changing this solution, these shall be presented to the next DMG as a working paper. Based on the agreement by the group, the necessary update shall be proposed to METG.

Action DMG16-5-5: W. Demol will present to DMG17 a working paper in support of changing the provisions related to RQX sent as FTBP.

The IWXXM related provisions for the RODBs need to be reflected in the ROdB Interface Control Document (EUR Doc 18 Att A).

Action DMG16-5-6: W. Demol to provide an update of the ROdB Interface Control Document (EUR Doc 18 Att A), including the IWXXM support. Draft version to be presented at DMG17.

The group resumed the revision of the CONOPS:

- Assumption 17 – Aeronautical information metadata inclusion in the XML: the issue will be addressed by WMO to MIE (also for discussion during the joint session with IMP). Particular on TAC to XML translation of SIGMET messages

Transition – Phase 1

Intra-regional plan on AMHS infrastructure/links: working paper presented to AFSG (see also action DMG16-5-1 above).

- Related to the intra-regional implementation plan, C. Keohan informed that following the first workshop involving the ROCs around the globe, by the end of 2016 will be another workshop organised by WMO on training. After these two workshops an update of the information provided by the States could be requested, thus offering the necessary elements for starting an implementation plan.
- Cyber security elements: virus checking in COM centres. The group agreed that these aspects along with any other technical details related to message size limitations, compression technique, etc. need first to be asked to MIE and IMP. Information coming from these groups will be then discussed during the next DMG meeting.
- Actions to reduce rejections: appropriate software needs to be set-up for the depiction of systematic rejections.

Action DMG16-5-7: P. Simon will present to the next DMG or DMG18 a progress report on the development of software applications for depiction of systematic TAC coding errors.

Agenda Item 11: Next DMG Meetings

Dates and location of the next meetings

DMG17: 15-17 March 2016, London.

DMG18: 21-23 June 2016, Copenhagen.

DMG19: 17-19 October 2016, Brussels

Agenda Item 12: Any Other Business

METNO Update Procedure

The group noted that METG had been informed that a procedure is already in place for states in a position to change the standard observation time to announce this change. Consequently, the following action was agreed:

Action DMG16-12-1: H. Swinnen will amend the METNO Update Procedure to include provisions related to announcing changes of the standard observation time of METAR messages.

List of actions resulted after DMG16

Ag. Item/BMG	Action item	Responsible	Target date
	DMG15		
DMG15-4-1	Contact Finland on the conformity with Amd. 73 for the SAFI32-34 bulletins, mentioning that this will be included in the deficiencies database if not solved.	C. Keohan G. Easthope	METG25
DMG15-6-5	Derive action plans for ROC Toulouse and London on	M. Pichler	DMG16

	double reception and reports in more than one bulletin.		
DMG15-6-6	Contact centres in their AoR or the corresponding IROGs to stop additional provision of OPMET data. If it is a systematic deficiency, raise that through PHP	ROC Toulouse ROC London	DMG16
DMG15-9-4	Check with ICAO whether the updated MET 2A table can still be made available, as an essential source for updating the RODC catalogue	C. Keohan	DMG16
DMG15-9-7	Prepare a WP for the next MET IE meeting (November 2015) having the subject the necessity to have a global database of SIGMET headers and a procedure to periodically update this database	P. Simon C. Keohan G. Easthope	Nov. 2015
DMG15-9-8	Prepare a WP for the MIE to show the need for a reliable source of metadata	P. Simon	Nov. 2015
DMG15-9-1	Coordinate and check the procedure for ensuring data to SADIS when ROC London is backed-up by ROC Toulouse	P. Simon G. Easthope	DMG16
DMG15-9-2	Implement the new AFTN addresses and perform a test	ROCs	DMG17
DMG15-9-3	Update the procedure to remove the references to other data sources apart from AFS or GTS	M. Pichler	DMG16
DMG15-8-3	Check the values of the timers used for the monitoring and will filter data (only EUR and excluding typos) for an easy depiction of deficiencies.	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		
DMG16-4-1	DMG shall organize a test and monitoring of Special AIREP in February 2016 in order to identify routing problems and other issues related to these messages. The results will be reported to METG26. M. Pichler will also distribute information to the EUR states related to the planned test. The contact list for SIGMET tests will be used for this occasion too.	M. Pichler	Feb 2016
DMG16-4-2	Perform a verification regarding the usage of runway state group(s) in METAR and SPECI in accordance with Annex 3, Table A3-2 (Russia, Luxembourg) and communicate the results to ICAO Paris	J. Funder	EANPG57
DMG16-4-3	Cross-check the inventory of SIGMET headers with the latest monitoring data in order to identify discrepancies	M. Pichler	DMG17
DMG16-4-4	Establish the Sp AIREP headers used by Russian Federation	P. Simon C. Keohan O. Petrova	DMG17
DMG16-4-5	Obtain the headers for Special AIREP messages used by Malta and Portugal.	P. Simon	DMG17
DMG16-6-1	Provide the WIFS OPMET monitoring results from September 2015	P. Simon	Nov 2015
DMG16-6-2	Check the September 2015 monitoring results and derive PHP tickets	G. Easthope H. Swinnen C. Keohan	Dec 2015
DMG16-6-3	Check the correct SIGMET headers used by Finland, Georgia, Ireland, Spain and Switzerland	C. Keohan	DMG17

DMG16-6-4	Update the SIGMET monitoring procedure to cover the planned result reporting format based on CSV and inform in due time the States on the possibility to use this new format	M. Pichler	Feb Monitoring
DMG16-6-5	Review/update/provide their credentials for accessing the PHP Ticketing application to H. Swinnen who will take actions to implement this into the new version of the application	DMG members H. Swinnen	DMG17
DMG16-9-1	Update the RODC SD with the conclusions on the outstanding issues (DMG16 WP04)	J. Funder	DMG17
DMG16-8-1	Work on the results of the latest monitoring for the EUR aerodromes listed in MET2A in order to depict systematic deviations from the threshold values agreed for the timers. The systematic deficiencies will be addressed via PHP and presented at DMG17	M. Pichler W. Demol H. Swinnen	DMG17
DMG16-5-1	Prepare a WP for the next AFSG meeting (18-22 Apr 2016) on the planning implementation of AMHS links by the States to their associated ROC. The WP will be discussed during the next DMG meeting	P. Simon	DMG17
DMG16-5-2	Prepare a draft version of the state letter on the TAC to XML delegation and will present that at DMG17	C. Keohan	DMG17
DMG16-5-3	Work on a proposal for the new structure of the Eur Doc 018 in order to include provisions related to IWXXM exchange	H. Swinnen L. Brojboiu	DMG17
DMG16-5-4	Prepare a WP for the next AFSG meeting urging States that already implemented (or are in a position to do so) the IWXXM exchange to share their experience on this subject, including technical elements regarding interfacing with the AMHS systems	G. Easthope	DMG17
DMG16-5-5	WP in support of changing the provisions related to RQX sent as FTBP	W. Demol	DMG17
DMG16-5-6	Draft update for the EUR RODBs ICD including IWXXM support	W. Demol	DMG17
DMG16-5-7	Progress report on the development of software applications for depiction of systematic TAC coding errors	P. Simon	DMG18
DMG16-12-1	Amend the METNO Update Procedure to include provisions related to announcing changes of the standard observation time of METAR messages	H. Swinnen	DMG17