

# REPORT OF THE DATA MANAGEMENT GROUP

## THIRD MEETING

*(Copenhagen, 14-16 June 2011)*

The third meeting of the Data Management Group was held from 14 to 16 March 2011 in Naviar premises, Copenhagen and was attended by the following participants:

### List of participants

Mr. Michael Pichler	Austria
Mr. Herman Swinnen	Belgium
Mr. Wim Demol	Belgium
Mr. Johnny Funder	Denmark
Mr. Patrick Simon	France
Mrs. Annemiek den Uijl	Netherlands
Mr. Laurentiu Brojboiu	Romania (Secretary)
Mr. Edward Boorman	United Kingdom
Mr. Kevin Loy	United Kingdom (Chairman)

### WP 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
2. Actions from previous meeting
3. Information from other groups IP03
4. EUR OPMET Data Update procedure and data monitoring and reporting
  - i) Routine WP05, IP01, IP02
  - ii) Non-routine (incl. SIGMET issues) WP02, 11, 12
  - iii) Volcanic Ash
  - iv) NUCEMM
5. Addressing of EUR and Non-EUR OPMET data WP06, IP05, DP01
6. Performance Indices
7. RODEX
8. Documentation
  - a) EUR OPMET Data Management Handbook
  - b) PHP (Output from database and discussion of current problems)
  - c) Update BMG->DMG
9. WXXM
10. AOB
11. Next meeting

Additionally, it was agreed that the following items should be discussed during the meeting:

- i. Differences between SADIS broadcast and FTP back-up
- ii. Invitations to DMG meetings
- iii. Presentation on the updated DMG website

Also, it was agreed that the OPMET data monitoring and addressing are very related and for the next meetings, agenda item 4 and 5 should be merged together into one single item, "OPMET data monitoring and addressing".

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

The group reviewed the status of the actions established at the DMG02 meeting. The completed tasks were erased from the list (highlighted in yellow; see comments) while the pending actions were maintained and, if necessary, rescheduled.

Ag. Item/BMG	Action item	Responsible	Target date
<del>BMG36-4-5</del> DMG03-3-1	Analyse the OPMET archives to determine whether there are European FIRs for which test SIGMETs are issued but no real data received so far.	Ed. Boorman	
BMG37-7-5	The three ROCs will provide the routing tables to Johnny Funder.	London Toulouse Vienna	DMG03
BMG37-4-6	Provide the current distribution list of FV bulletins to ROCs Vienna and London to be implemented accordingly at these centres, and further coordinate the sending from Toulouse to the two ROCs only	P. Simon	DMG03
BMG37-4-10	Contact the ASIA/PAC OPMET TF Rapporteur / ICAO Bangkok to ask for correct addressing of FTJP31-32 bulletins, according to FASID MET 2B.	Ed Boorman	DMG03
<del>BMG38-4-7</del> DMG03-3-2	Contact ICAO Paris (Greg Brock) in order to obtain an updated list of the AFTN addresses to be used to distribute the VAA to each state.  This list should be included by the DMG into the RODC catalogue	K. Loy	DMG03
BMG38-4-14	Consolidate information regarding the way the misrouted bulletins are received by LOWM. Also will investigate for each misrouted bulletins whether is received also on the normal way, from the corresponding IROG (in which case the misrouting could be suppressed).	M. Pichler	DMG03
BMG38-4-15	Set up a Work Package for AFI data addressing	P. Simon	DMG03
DMG01-5-2	List of a/d with both FC and FT (per region) be sent through PHP to ICAO Paris	Wim Demol	DMG03
DMG01-6-3	Propose ICAO Paris state letter on Special AIREP used	P. Simon	DMG03
DMG01-6-4	Propose AMOF SG the FIR indication into the AIREP format	P. Simon	DMG03

DMG01-8-2	Provide monitoring results to feed the RODC tables	H. Swinnen J. Funder	DMG02
DMG01-9-1	Submit ICD to update the Handbook	W. Demol J. Funder	DMG02
DMG01-9-2	Review the DB Specification doc (monitoring)	W. Demol M. Pichler P.Simon	DMG02
DMG02-4-1	Provide the complete monitoring results (including the extra French bulletins) to M. Pichler. Starting the next monitoring exercise, Toulouse will include all the French bulletins in the monitoring.	P. Simon	End of March
DMG02-4-2	Verify the routing of the corresponding bulletins and take the appropriate measures to ensure the availability of data at all three databanks.	ROC Toulouse	DMG04
DMG02-4-3	The list of the reports requested but never received will be submitted to ICAO Paris in order to be addressed to the states (probably by a state letter).	M. Pichler	DMG03
DMG02-4-4	The list of the stations that produce both FC and FT will be submitted to ICAO Montreal.	M. Pichler	DMG03
DMG02-4-5	Verify the routing for the KAWN report	Ed Boorman	DMG04
DMG02-4-6	Propose databanks in the other regions to monitor SIGMET receptions during tests in the EUR region	ROC London, Toulouse	DMG03
DMG02-4-7	Invite Latvia and Estonia, respectively Morocco to participate at SIGMET tests	ROC London ROC Toulouse	DMG03
DMG02-4-8	Invite states in EUR region always recorded as NIL to participate in SIGMET test	M. Pichler	DMG03
DMG02-4-9	Check the missing SIGMET msgs from ASIA/PAC spotted on Feb monitoring	ROC London	DMG03
DMG2-4-10	Check the routing of the nuclear emergency bulletin (NNXX) issued on March 12	Ed. Boorman	DMG03
<del>DMG2-5-4</del> DMG03-3-3	Verify the reception of the bulletins from other regions sent directly to EBBR, at a wrong address. Check whether their routing (to EBBR) is in place and after that ask the originator to stop sending the messages directly to EBBR. Whether not received by the ROCs, ask for these data, ensure it is received and correctly routed and after that ask to stop sending the messages directly to EBBR.	ROC London ROC Toulouse ROC Vienna	
DMG2-8-1	Run simulations on the validation process based on the proposed timers, against the data from the Feb monitoring. Circulate the results to the group members for comments/suggestions. WP to DMG03.	P. Simon M. Pichler	End March DMG03
DMG2-8-2	Inform both VAACs on the change from BMG->DMG, to be reflected in the text of the FV test message	P. Simon Ed. Boorman	DMG03
DMG2-9-1	Cooperate to test exchanging data in WXXM format. Inform DMG	ROC London EBBR	DMG03
DMG2-7-1	Develop backup procedures for the ROC Result to be presented as WP to DMG03.	ROC London ROC Toulouse ROC Vienna	DMG04
DMG2-7-2	Finalise the user interface for the catalogue and for	Ed. Boorman	

	providing the use cases.		
DMG2-7-3	Contact ICAO Montreal (Greg Brock) on: - the need of complete global list of SIGMET headers – possible Global Sigmet Guide - Asking other regions to participate to SIGMET monitoring.	K. Loy	
DMG2-8-3	Identify incorrect format of US and Canadian SIGMETs.	Ed. Boorman	DMG03
DMG2-8-4	Identify the availability of Iraqi data and correct routing. If necessary, WP to ask for the missing data. Otherwise, close the PHP ticket.	M. Pichler	MID Region MET subgr meeting

### Agenda Item 3: Information from other groups

#### SADISOPSG

##### SIGMET validation at SADIS Gateway

As the level of compliance of the SIGMET messages reached an acceptable level (80%), the SIGMET validation will be reintroduced before the SADISOPSG/17 meeting.

##### ISCS and SADIS comparison

Action DMG03-3-4: i. Patrick will perform an ISCS monitoring for one day during the normal DMG monitoring in September; the results will be made available by the end of October 2011.

ii. Annemiek and Ed will perform a monitoring of the SADIS received data for the same day as the ISCS.

iii. Hermann will compare the SADIS and ISCS monitoring results in order to obtain an assessment of the availability on both broadcasts.

The aim mentioned in SADISOPSG report was 95% availability on both SADIS broadcast/FTP service and ISCS Internet based service.

##### Dissolution of SADIS Gateway Development Team

The deliverables allocated to the team will be addressed in the future by the SADIS Provider State, in coordination with the EUR OPMET DMG.

##### SADISOPSG Terms of reference

The report mentioned that the SADIS Provider State intended to review the terms of reference as far as the respective roles of the SADISOPSG and the EUR OPMET DMG were concerned. The DMG members discussed on the matter and stressed that the responsibilities on OPMET data management in Europe are on the DMG, and concluded that an amendment proposal should be made accordingly.

Action DMG03-3-5: Kevin to provide for DMG04 a WP covering a revision to the SADISOPSG Terms of reference (to reflect that the responsibilities on OPMET data management in Europe are on the DMG).

#### AFSG

The group was informed on the intention to amend the ICAO Annex 10 with respect to: extending IA5 alphabet to the complete ASCII table, modify the limits imposed to message length and line

length (to permit contiguous block of data). These are in support of XML data transport on AFTN (not only MET data, but also digital NOTAMs, flight plans, etc).

The group than briefly reviewed what was the current status on the AMHS implementation by the European states.

#### **Agenda item 4: EUR OPMET Data Update procedure and data monitoring and reporting.**

##### *WP05 Never received data*

The DMG02 meeting established (Action DMG02-3-4) that a list of all the OPMET data that is requested but had never been received during the monitoring exercises should be compiled and sent to ICAO Paris for addressing the issue. It was pointed out that this list has already been compiled and sent twice to the former ICAO Paris MET Officer (G. Brock). Taking into account the changes that took place, it was considered that for the moment no further action should be taken, and instead the group should wait and watch whether the amendment of the FASID tables is performed according to the proposals.

Action DMG03-4-1: Michael will cross-check the current list against the proposed amendments presented into the App. F of the SADISOPSG Report to see whether the FASID tables are updated accordingly. The cross-check will be done in connection with the ODAG availability monitoring. At that point of time an updated FASID should be available.

Action DMG03-4-2: Michael and Wim will check the improvement in the availability of the corresponding data during September monitoring exercise and prepare a WP on this matter for DMG04.

##### *IP01, IP0: 1Never received data & FC/FT production*

As actions from DMG02, there were derived two lists which were submitted to ICAO Paris for addressing: one for the data requested, but never received and another with the airports for which both FC and FT are produced. The group was informed that on both matters, the former and the current MET Officers contacted directly by email responsables from the respective states. Improvements are already recorded and will be further monitored.

##### *WP2 RQM Monitoring*

The results of the monitoring showed that the number of requests decreased for DBs Vienna and Brussels to the level of 2008 (directly linked to the disappearance of Urumqi from the list of heavy users), while for Toulouse increased.

There still are 2 heavy users which continue to request the same data on regular basis. As that seemed to persist, it has concluded the following actions:

Action DMG03-4-3: Wim Demol will produce a list of the data requested by China/Taipei and provide the list to Ed Boorman, who will try to address that to his contacts in the region, and explain that they could be better served by the routine distribution of data.

Action DMG03-4-4: As for the Canadian requests, firstly Ed Boorman will check whether the requested reports are already part of the routine distribution to Canada. Further, UK will also check whether it is feasible to send the data directly to that user, bypassing the Canadian MET Service. If these actions solve the case, then Michael Pichler will initiate the actions to start blocking the requests from that user.

##### *WP11 US & Canadian SIGMETs*

The group was presented with a comprehensive list of representative errors for the North American SIGMETs received, along with explanations on why these messages are not validated by ROC London. The problem has already been raised through the PHP but no improvements are

recorded. The group decided for the need to further inform METG on this problem, which is of institutional matter.

Action DMG03-4-5: Kevin Loy will first check the METG report and the EANPG conclusions to verify what the outcome was on that matter, and based on that decide on the paper that should be presented to METG to inform states on what has been done before and the current status.

#### *WP12 Missing ASIA/PAC SIGMET Data*

As a result of the Feb 2011 monitoring, some missing SIGMETs were noticed. As the IROG responsible, ROC London has investigated and derived the necessary routing update. The routing in ROC London will be completed by the end of this month.

It was pointed out that all missing data were present on SADIS broadcast; only the terrestrial distribution was affected.

#### *Differences between SADIS Broadcast and the SADIS FTP Service*

Wim Demol informed the group that, during a normal monitoring exercise in March, significant differences were recorded between the SADIS broadcast and the FTP service (missing or different data on both sources).

Kevin Loy explained to the group that, during the installation of a comparator between transmission and reception of the broadcast, there were recorded losses of data. This issue should have been resolved by now. In order to ensure this, it was agreed the following action:

Action DMG03-4-6: Wim Demol will repeat the monitoring and check for the differences between the two SADIS sources. Concrete evidences on the difference will be provided to Kevin Loy, who will present those to the next meeting of the corresponding working group (UKMO/NATS/CAA).

#### *Volcanic Ash Exercise*

During April 2011, an exercise had been held for two days, with two different approaches for those 2 days : 1<sup>st</sup> day with current practices prior the last year event, 2<sup>nd</sup> day with a more opened approach and a wide use of new tools (EVITA), concentration charts , and more opened airspace for airlines whose SRA has been approved by their national air navigation authority. A debriefing has been made also about the last real volcanic ash event in Iceland that benefited from the gained experience of the exercise and last year event. The current state of art about concentration chart does not allow at this stage the assimilation of real measurements and data into the models run and therefore the concentration chart should be seen upon that sight. The information about the debriefing can be found in [http://www.paris.icao.int/Met/Volc\\_Ash/VOLCEX\\_11\\_01.htm](http://www.paris.icao.int/Met/Volc_Ash/VOLCEX_11_01.htm).

The next exercise should be in probably in April next year with an eruption in the Azores zone.

### **Agenda item 5      Addressing of EUR and Non-EUR OPMET data**

#### *WP06 Misrouted bulletins*

Michael Pichler presented to the group the updated list of the bulletins received, although not properly routed to LOWMMMXX. The list was split as per area of responsibilities of the two ROCs London and Toulouse. The following actions were decided:

Action DMG03-5-1: M. Pichler will investigate on the possibility for automatic response on the reception of bulletin not correctly addressed.

Action DMG03-5-2: Ed. Boorman will check to ensure the distribution of Asia/NAM data that is not currently received via AFTN by Vienna (e.g. FTAK31/32...)

Action DMG03-5-3: UK will contact NOC Riga to stop sending SALV31/32 directly to Vienna.

Unsolved situations will be addressed through the PHP procedure.

*IP05 AFI OPMET Meeting – WP by ROC Toulouse*

The group was informed on a working paper that ROC Toulouse will present during the AFI OPMET Meeting. The paper will cover data monitoring and data exchange issues. There will be proposed:

- i. AFI region to participate to the EUR SIGMET Monitoring
- ii. AFI region to inform on the EUR bulletins that need to be received
- iii. exchange the routing tables.

Action DMG03-5-4: Based on the outcome of the AFI OPMET meeting, information should be included into the DMG report to be presented the next METG, in order to highlight the improvements that have been made so far for the data exchange between the two regions.

*IP04 MTF03 WP- ROC Toulouse AFI Data monitoring*

The group was presented with a WP on AFI data monitoring that ROC Toulouse is going to present to the third meeting of the MET Task Force in AFI region, along with the proposed action that proper routing be ensured by the two AFI IROGs to distribute the data to the EUR Region through ROC Toulouse.

The DMG will be informed also on the outcome of the MTF03 meeting.

*Flimsy 2 – OPMET Addressing*

Following conclusion 16/9 of the SADISOPSG Meeting, and upon examination of EUR ANP/FASID and EUR OPMET Handbook, it has been agreed that both documents could be improved with respect to better indicate the correct OPMET data addressing. The Flimsy presented to DMG contained a proposal for the wording of the respective sections of the MET Tables 2A and 2B. The group adjusted the proposal and concluded that it should be addressed first to ICAO Paris for consultation, and if agreement is reached, the proposal to be submitted to the next METG meeting.

Action DMG03-5-5: Kevin Loy will present the proposed changes to the EUR ANP/FASID tables to ICAO Paris and Montreal. If agreed, the proposal will be presented as a WP to METG. Further, appropriate changes will be proposed for EUR Doc 018 and also the FASID text.

*Flimsy 1 – SIGMET Validation on SADIS*

The SADISOPSGP Report informed that the level of SIGMET compliance to Annex 3 Amendment 74, had reached a threshold of 80%, from which the SADIS Provider State was now in a position to perform validation.

This flimsy proposed a modification to the SADIS Gateway Operations Handbook to cover the requirements for validation. After agreement by the group, the following was concluded:

Action DMG3-5-6: In support of re-introduction of SIGMET validation against Amd. 74 provisions, the proposal will be forwarded to the SADISOPSG in order to update the SADIS Gateway Operations Handbook Version 4.0.

Action DMG3-5-7: K. Loy will check whether the SIGMET validation also caters for the MWO and the line terminator (“-”) and if affirmative, include the appropriate wording into the proposal for SADIS Gateway Operations Hdbk.

**Agenda item 6      Performance Indices**

The group agreed that the availability index should be further calculated by the RODC Manager, and the results be included into the DMG report for METG.

Action DMG03-6-1: The RODC Manager will perform the calculation of the availability index and provide the results to DMG Rapporteur to be included into the DMG report for METG.

With regard to the timeliness index, it was considered that although the calculation method is documented, it is a need for more expertise on this matter.

Action DMG03-6-2: Ed. Boorman will contact James Randall in order to obtain the necessary information on the calculation of the timeliness index. Based on the information obtained, it will be decided further on the actions for the regular calculation of this index.

## **Agenda Item 9          WXXM**

### *IP6 AMOFSG 9*

The group was presented a WP that is going to be presented at the next meeting of the AMOFSG (Sept. 2011, Montreal) by the ad-hoc working group that worked to develop the necessary amendments to Annex 3 related to the transition to table-driven data representation. Although the information presented in the document was mostly known, the document was considered to be a thorough gathering on the current status on this matter.

Also, the group appreciated that the transition to the table driven codes and WXXM was already certitude and therefore expressed the support and commitment from behalf of DMG to the transition. As the experts in regard to OPMET data management within the EUR region, the group needs to be involved in the project, and thus being able to support the transition. Does this need to be included into the DMG report?

## **Agenda Item 8          Documentation**

### *WP7, 8: Timers*

Following the action DMG2-8-1, a check was made in order to test the accuracy of the agreed values of the timers, by analyzing the effect on the rejection this may have caused. As the data volume was very high and due to the current workload, it was not possible to thoroughly assess what the impact was. Nevertheless, the examples presented in the papers and the attachments highlighted that most of the rejected data were in fact amended or corrected TAFs. In order not to eliminate valid data, it was proposed that a different timer value be considered for the AMD data. Actually, it was further agreed that no timers should be defined for AMD TAFs, other than the one related to the end of validity period.

What is the next action on timers ?

During the exercise, it was also noted that a significant number of AMD TAFs are in disagreement with the Annex 3 provisions (templates for AMD TAFs). The group agreed on the following action:

Action DMG3-8-1: Patrick Simon will prepare a WP for METG informing that, on the occasion of working on timers for validation, a number of errors were noticed for AMD



TAFs (e.g. not updating the G1G1 group), and inviting states to conform to the standard regulations, as that makes easier the process of data validation.

#### *WP03 EUR OPMET DB Specification*

The group was presented the revised version of the db Specification. The main updates are the introduction of the expiration times (3 hr for METAR, end of validity for the rest), of the quality control and DB availability monitoring harmonised with regular monitoring. The group discussed on the content and concluded:

Action DMG3-8-2: The revised EUR OPMET DB Specification will be published on the FTP servers (and DMG website).

### **Agenda Item 8b      PHP**

#### *WP10 PHP Manual*

The PHP manager presented to the group the latest version of the draft PHP Manual, with updates related to the BMG->DMG transition, the new login and with some textual improvements. The group decided that after some minor aspects are clarified, the current version be endorsed.

Action DMG3-8-3: The agreed version of the PHP Manual be endorsed and sent for publication.

It was mentioned that previously, ICAO Paris (Greg Brock) had an account on the PHP application. It was considered necessary to check with the current MET Officer on this matter.

Action DMG3-8-4: Annemiek will contact ICAO Paris and ask for credential to be used for PHP access by the ICAO Paris MET Officer.

#### *WP9 Simple General PHP Help*

The PHP manager presented to the group a revised proposal for the PHP Help function. The group agreed on that and concluded:

Action DMG3-8-5: PHP Manager will forward the Help information to the Belgian DMG members in order to be implemented into the PHP Ticketing Application.

With regard to the current status of the PHP Application, was noted that following the disruption in March, the application is now fully functional. Members were encouraged to have a look into the application and take the necessary actions, or update the status of the problems to reflect the current situation.

Action DMG3-8-6: The DMG members were asked to consult the PHP application and take corrective actions for solving the respective problems, or update the status of the problems as needed.

Action DMG3-8-7: A. den Uijl will compile a list of the problems raised through the PHP, together with their current status, and forward that to K. Loy to be included into the DMG report for METG.

### **Agenda Item 11      Any Other Business**

- The RODEX web site is currently being updated and in 2-3 weeks time the DMG members will be informed on the changes.

- Dates and location of the next meetings
  - DMG04: UK 18-20 October 2011
  - DMG05: Bucharest, March 2012
  - DMG06: Vienna, June 2012
  - DMG07: Toulouse, Oct. 2012

**List of actions resulting after DMG03**

Ag. Item/BMG	Action item	Responsible	Target date
DMG03-3-1	Analyse the OPMET archives to determine whether there are European FIRs for which test SIGMETs are issued but no real data received so far.	Ed. Boorman	
BMG37-4-10	Contact the ASIA/PAC OPMET TF Rapporteur / ICAO Bangkok to ask for correct addressing of FTJP31-32 bulletins, according to FASID MET 2B.	Ed Boorman	DMG03
DMG03-3-2	Contact ICAO Paris (Greg Brock) in order to obtain an updated list of the AFTN addresses to be used to distribute the VAA to each state. This list should be included by the DMG into the RODC catalogue	K. Loy	DMG03
DMG01-6-4	Propose AMOF SG the FIR indication into the AIREP format	P. Simon	DMG03
DMG02-4-1	Provide the complete monitoring results (including the extra French bulletins) to M. Pichler. Starting the next monitoring exercise, Toulouse will include all the French bulletins in the monitoring.	P. Simon	End of March
DMG02-4-2	Verify the routing of the corresponding bulletins and take the appropriate measures to ensure the availability of data at all three databanks.	ROC Toulouse	DMG04
DMG02-4-5	Verify the routing for the KAWN report	Ed Boorman	DMG04
DMG02-4-7	Invite Latvia and Estonia, respectively Morocco to participate at SIGMET tests	ROC London ROC Toulouse	DMG03
DMG02-4-8	Invite states in EUR region always recorded as NIL to participate in SIGMET test	M. Pichler	DMG03
DMG2-4-10	Check the routing of the nuclear emergency bulletin (NNXX) issued on March 12	Ed. Boorman	DMG03
DMG2-5-4 DMG03-3-3	Verify the reception of the bulletins from other regions sent directly to EBBR, at a wrong address. Check whether their routing (to EBBR) is in place and after that ask the originator to stop sending the messages directly to EBBR. Whether not received by the ROCs, ask for these data, ensure it is received and correctly routed and after that ask to stop sending the messages directly to EBBR.	ROC London ROC Toulouse ROC Vienna	
DMG2-9-1	Cooperate to test exchanging data in WXXM format. Inform DMG	ROC London EBBR	DMG03
DMG2-7-1	Develop backup procedures for the ROC	ROC London ROC Toulouse ROC Vienna	DMG04
DMG2-7-2	Finalise the user interface for the catalogue and for providing the use cases.	Ed. Boorman	
DMG2-8-4	Identify the availability of Iraqi data and correct routing.	M. Pichler	MID Region

	If necessary, WP to ask for the missing data. Otherwise, close the PHP ticket.		MET subgr meeting
DMG03-3-4	Perform ISCS monitoring for one day during the normal DMG monitoring in September; Perform SADIS monitoring for the same day as the ISCS. Compare the SADIS and ISCS monitoring results	P. Simon A. den Uijl Ed. Boorman H. Swinnen	Oct. 2011
DMG03-3-5	WP covering a revision to the SADISOPSG Terms of reference (to reflect that the responsibilities on OPMET data management in Europe are on the DMG).	K. Loy	DMG04
DMG03-4-1	Cross-check the current list against the proposed amendments presented into the App. F of the SADISOPSG Report to see whether the FASID tables are updated accordingly.	M. Pichler	DMG04
DMG03-4-2	Check the improvement in the availability of the corresponding data during September monitoring exercise and prepare a WP on this matter for DMG04.	M. Pichler W. Demol	DMG04
DMG03-4-5	Check the METG report and the EANPG conclusions to verify what the outcome was on US&Canadian TAFs Paper presented to METG to inform states on what has been done before and the current status.	K. Loy	METG
DMG03-4-6	Repeat the monitoring and check for the differences between the two SADIS broadcast and FTP service. Provide evidences to K. Loy, who will present those to the next meeting of the corresponding working group (UKMO/NATS/CAA).	W. Demol K. Loy	
DMG03-5-1	Investigate on the possibility for automatic response on the reception of bulletin not correctly addressed.	M. Pichler	DMG04
DMG03-5-2	Ensure the distribution of Asia/NAM data that is not currently received via AFTN by Vienna (e.g. FTA31/32...)	Ed. Boorman	DMG04
DMG03-5-3	Contact Riga to stop sending SALV31/32 directly to Vienna.	ROC London	DMG04
DMG03-5-4	Based on the outcome of the AFI OPMET meeting, information should be included into the DMG report to be presented the next METG, in order to highlight the improvements that have been made so far for the data exchange between the two regions.	P. Simon K. Loy	METG
DMG03-5-5	Propose changes to the EUR ANP/FASID tables to ICAO Paris and Montreal (WP to METG). Propose changes for EUR Doc 018 and also the FASID text.	K. Loy	METG
DMG3-5-6	Proposal to update the SADIS Gateway Operations Handbook Version 4.0 (SIGMET Validation).	K. Loy	
DMG3-5-7	Check whether the SIGMET validation also caters for the MWO and the line terminator ("-") and if affirmative, include the appropriate wording into the proposal for SADIS Gateway Operations Hdbk.	K. Loy	

DMG03-6-1	Perform the calculation of the availability index and provide the results to DMG Rapporteur to be included into the DMG report for METG.	J. Funder	METG
DMG03-6-2	Contact James Randall in order to obtain the necessary information on the calculation of the timeliness index.	Ed. Boorman	DMG04
DMG3-8-1	Prepare a WP for METG on errors where in AMD TAFs (e.g. not updating the G1G1 group).	P. Simon	METG
DMG3-8-2	The revised EUR OPMET DB Specification will be published on the FTP servers (and DMG website).	M. Pichler H. Swinnen P. Simon	
DMG3-8-3	The PHP Manual be endorsed and sent for publication.	A. den Uijl	
DMG3-8-4	Contact ICAO Paris and ask for credential to be used for PHP access by the ICAO Paris MET Officer.	A. den Uijl	
DMG3-8-5	Implement the Help information into the PHP Ticketing Application	A. den Uijl H. Swinnen W. Demol	
DMG3-8-6	Consult the PHP application and take corrective actions for solving the respective problems, or update the status of the problems as needed.	DMG members	
DMG3-8-7	Compile a list of the problems raised through the PHP, together with their current status, for METG	A. den Uijl K. Loy	METG
DMG3-8-8	Inform DMG members on DMG website update	M. Pichler	July 2011