

REPORT OF THE DATA MANAGEMENT GROUP

TWELFTH MEETING

(Constanta, 17-19 June 2014)

The twelfth meeting of the Data Management Group was held from 17 to 19 June 2014 in ROMATSA premises in Constanta, 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 (Chairman)
Mrs. Annemiek den Uijl	Netherlands
Mr. Laurentiu Brojboiu	Romania (Secretary)
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**
2. **Approval of the DMG 11 report**
3. **Actions from previous meeting**
4. **Information from other groups**

ICAO

EUR

EANPG, COG and METG

AFSG

VA

Coordination with other regions

Global Groups (SADIS, ...)

WMO

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

Systematically wrong formatted/coded OPMET data

Monitoring results

Action plans

Missing data & Routing problems

Monitoring results

Action plans

6 Performance indices

7. Consolidated set of time values

8. RODEX

RODC

ROC Back-up procedures

Implementation plan on the development of MID Regional OPMET Centres

Implementation plan on transfer from some States from AFI to MID

9. EUR Documents

10. METG24 report

11. IWXXM

CONOPS, DOC 1003

12. Next meetings

13. AOB

Agenda Item 2: Adoption of DMG11 Report

The group reviewed and approved the DMG11 report, including the comments and updates.

Agenda Item 3: Actions from the previous meeting

The reviewed the status of the actions established at the DMG11 meeting. The completed tasks were erased from the list (highlighted in yellow; see comments).

List of actions resulted after DMG11

Ag. Item/BMG	Action item	Responsible	Target date
DMG6-5-1	Common understanding of the PI data definition (what is NIL, no data, data) and document that with examples. Information on requirements will be sent to Annemiek by Ed Boorman	A. den Uijl G. Easthope H. Swinnen	
	DMG09		
DMG09-4-7	In the calculation of the PIs, a NIL report shall always recorded as “not received”. That needs to be highlighted	P. Simon	METG

	to the states in the DMG report for the next METG meeting.		
DMG09-6-6	Prepare WP on the NOC back-up procedures – guidelines to be followed when a NOC is not able to distribute its data via normal means.	G. Easthope J. Funder C. Keohan	DMG10
	DMG10		
DMG10-4-4	Indicate duplicates in the next monitoring results	ROC London	
DMG10-4-6	Filter the tables containing METNO compliance to keep only data that is required.	H. Swinnen	DMG11
DMG10-4-7	Provide the monitoring results for data received via AFS only (and via GTS for their area of responsibility).	Monitoring centres.	DMG13
DMG10-4-8	Work on the monitoring results presentation and come with a proposal for the next DMG meeting.	A. den Uijl P. Simon H. Swinnen G. Easthope	DMG12
DMG10-4-13	Include in DMG report the proposal to reduce SIGMET monitoring frequency	P. Simon	METG24
DMG10-7-1	Verify information in table 2 of Appendix E (Responsibility and Address Information Table)	All centres	DMG11
DMG10-9-1	Restructuring of the DMG Agenda	P. Simon A. den Uijl	DMG11
	DMG11		
	Update the “Scope & Goals” chapter of the ConOps document for a better description related to SWIM transition	P. Simon	
DMG11-10-2	Introduce in the ConOps provisions related to the WMO model (including reference to documentation, URL links, etc)	P. Simon W. Demol A. den Uijl	
DMG11-10-3	Compile the revised ConOps following remarks from Hong Kong and DFS and distribute it to the DMG members	P. Simon	
b	Update the ConOps document as agreed during the meeting.	DMG members	
DMG11-10-4	Investigate were the considerations related to IWXXM usage by RODBs fit into the ConOps and prepare a proposal as a WP	RODBs	DMG12
DMG11-3-1	Include in the DMG report to METG24 information that DMG performed the monitoring of RWY state group usage and the results were presented to ICAO Paris	P. Simon	METG24
DMG11-2-1	ROC London monitoring tool will be upgraded for the next monitoring exercise in September 2014. Information on the subject will be presented to DMG12	G. Easthope	DMG12
DMG11-4-1	Solve the routing issues related to distribution of ASIA/PAC Sigmet messages to the centres in the EUR Region	ROC London and Toulouse	DMG12
DMG11-8-1	Analyse the double routing monitoring results and derive corresponding actions in the PHP for each ROC	A. den Uijl	DMG12
DMG11-8-2	Investigate whether is possible to implement the 1 hr TAF rule in the PI Tool	G. Easthope	DMG12

DMG11-8-3	Provide the monitoring results to Belgium, who will investigate whether they will be able to provide the SADIS 2G monitoring results in the same format.	A. den Uijl W. Demol H. Swinnen	DMG12
DMG11-8-4	Investigate the way the PI tool processes the BBB bulletins (RTD bulletins were spotted to be accepted) and inform at DMG12	G. Easthope	DMG12
DMG11-8-5	Update the list of METAR issuance times according to the monitoring results	J. Funder	27 March
DMG 11-8-6	Address the problem of FTBZ18 SBGR through PHP.	A. den Uijl	DMG12
DMG 11-8-7	Check the timers results with the February monitoring (or a special monitoring, if needed) and identify what European data will be systematically rejected when applying the proposed timers. The results will be presented to the next DMG and addressed through PHP	ROCs	DMG12
DMG11-6-1	Investigate what 30-39 bulletins contain not required data (not in FASID). The list will be presented to the next DMG	A. den Uijl	DMG12
DMG11-6-2	Develop a consolidated requirements specification document for the RODC application and present the document to the next DMG	J. Funder H. Swinnen W. Demol	DMG12
DMG11-11-1	Take action for the public part of the FTP sites being discontinued.	P. Simon H. Swinnen M. Pichler	DMG12
DMG11-11-2	Investigate and propose ways of progress with the development of the DMG website. MID region representatives were also invited to visit the website and suggest improvements	DMG members	DMG12
DMG11-11-3	Contact ICAO Paris and inform that agrees that the desired information from the offshore structures be included into Table MET 2A	A. den Uijl	DMG12
DMG11-11-4	Update the Handbook and forward it to ICAO Paris.	J. Funder M. Pichler	DMG12
DMG11-11-5	In the DMG report, a caveat will be included to mention that an updated draft version is published and available on the ICAO website.	P. Simon	METG24

Action DMG12-2-1: P. Simon will include the column header in the monitoring results, starting from Sep. 2014 monitoring.

Action DMG12-2-2: The three ROCs will identify what FASID data are received only by GTS and not AFS and will report to the next DMG meetings (DMG13-DMG14).

Action DMG12-2-3: Starting with the Sep. 2014 monitoring, Belgium will provide the SADIS 2G monitoring and the corresponding results.

During the discussions regarding action DMG11-6-2, it was noted that a presentation of the DMG and its activities was needed for a better illustration of the requirements coming from the group. Such a high-level presentation could be used also for other purposes. It should be mainly based on the information included in the EUR OPMET Handbook, but brought to a higher level.

Action DMG12-2-4: P. Simon, A. den Uijl and C. Keohan will create a presentation document of the DMG and its activities. The presentation will be developed using the collaborative tool associated to the DMG OneDrive account.

Related to the action DMG11-11-1, it was agreed that the public part of the FTP servers will be discontinued, while the restricted part will still be maintained for storing the papers of the DMG meetings, the monitoring results, etc.

Action DMG12-2-5: J. Funder will take action to eliminate from the Handbook references to the DMG FTP sites.

Agenda Item 4: Information from other groups

WP 02 – Status of ICAO Items

C. Keohan informed the group on the ICAO aspects related to the DMG activities. With reference to the governance in IWXXM, he informed that ICAO and WMO working relations will be reviewed during the MET Divisional Meeting, where a corresponding WP will be presented jointly (WP 10 available on the ICAO website referenced above).

Under the *OPMET Deficiencies* title, the group was informed on the planned implementation of the RWY status format by the states that still used the old format.

Action DMG12-4-1: DMG and ICAO (P. Simon and C. Keohan) will prepare a common working paper for METG24 to present the current stage of implementation of the new runway state format.

With reference to realignment of Regions, the group was informed that Libya and Sudan will be part of the MID Region (July 2014), Morocco and Algeria have been included in the MET part of the EUR Regional Air Navigation Plan, while the amendment proposal for inclusion of Tunisia is currently in progress.

IP03 - SADISOPSG

- A. den Uijl presented an overview of SADISOPSG/19 papers important for DMG:
- Alignment SADIS – WIFS in WP12, Appendix G and WP23.
 - Revision to SUG Annex 1 in Appendix H
 - Request for a global SIGMET database, to be maintained by ICAO, in WP18.
 - Structure Annex 2 and 3 in an email request.
 - Future Work programme SADISOPSG (or future expert group), in WP08

Regarding the structure of SUG Ann. 2 & 3, it was noted that an answer was expected from DMG as if the Ann. 3 could be structured based on the ICAO Regions/States.

Action DMG12-4-2: The SADISOPSG Conclusion 19/27 (restructuring SUG Annex 3) needs to be analysed by the DMG and response prepared for the next SADISOPSG meeting.

It was also brought to the attention of the group that the format of the SADIS efficacy questionnaire has been updated.

Agenda Item 5 - EUR OPMET Data Monitoring results & action plans. PHP manager report

WP04 - COR SIGMET

M. Pichler presented to the group some issues related to the usage of COR-messages in regard to warnings (WS/WV/WA). It was mentioned that in the ICAO ANNEX 3 or the EUR SIGMET and AIRMET Guide there is no indication at all that a COR message could be send, and in the IWXXM-schema COR-messages for warnings are not covered. Meanwhile, a short monitoring depicted that COR SIGMETs are used though.

The two available options were analysed by DMG: issuance of a COR message or CNL followed by new issuance.

The group considered that further indication on this subject shall be addressed through METG to the Meteorological Warnings study group.

Action DMG12-5-1: M. Pichler will produce a working paper related to the usage of COR SIGMETs, that P. Simon will present to the METG24. Both options shall be presented (COR or CNL).

IP02 – UK Monitoring Tool Update

G. Easthope informed the group that, following the actions derived at DMG11, the UK will have its monitoring tool upgraded ready for the September 2014 monitoring period by the end of July 2014. This will also allow the UK to indicate the AFTN originator of duplicate OPMET messages received to help reduce the incorrect routing.

WP03 – DB RQM Monitoring

Wim Demol informed the group about the results of the databank requests monitoring that took place during the 1-3 May 2014. The results showed a decrease in the number of requests for EBBR, but a significant increase (120%) for LOWM, mainly due to three new heavy users. In order to investigate this issue, Vienna performed a second monitoring, during which none of the three showed again as heavy users.

It was appreciated that, except the temporary situation mentioned, there is no current misuse or abuse of the databanks. The general decrease in the number of requests from outside the AoR of the databanks suggests that the interregional data exchange, as well as regional exchange within other regions, is becoming more efficient.

Action DMG12-5-2: The group agreed to include the above conclusions related to DB RQM monitoring into the DMG report for METG24.

WP08 – Overview of bulletins in 30-39 range

Following an action derived at DMG11, A. den Uijl investigated what 30-39 bulletins contain not required data (i.e. not in FASID). The group was presented an overview of the actual distribution of bulletins in the range 30 – 39. Data available in April 2014 has been compared with the SUG Annex 1 - April 2014. It was agreed that the range shall be extended to 01-39 and that further action should be taken through PHP, for the EUR data.

Action DMG12-5-3: A. den Uijl will take the monitoring results from H. Swinnen and correlated to the overview presented, derive PHP actions for EUR data in range 01-39.

WP09 – Availability on SADIS and ISCS

A. den Uijl presented to the group the results of a comparison between WIFS and SADIS during a monitoring that was performed from 3-5 Feb. 2014.

Action DMG12-5-4: A. den Uijl will restructure the Attachment B of the WIFS-SADIS comparison results and will forward it to G. Easthope who, on behalf of ROC London, will investigate and confront with the current routing tables, and derive corresponding action plans through PHP.

WP07 – PHP Report

A. den Uijl, as the PHP Manager, presented to the meeting the PHP Progress Report. An overview of the open tickets was analysed by the group.

The group discussed on the way the old tickets need to be treated. For instance, for some problems every possible action has been taken but the problem is still unsolved. In such cases, the ticket should be closed. In case the problem is not signalled again, either it has already been solved or the request is no longer void. Otherwise, if the problem is still reported, it should be addressed by a new ticket.

The group discussed on the Conclusion 19/8 of the SADISOPSG – *Improving the availability of OPMET data on SADIS*. According to that, the ICAO Secretariat should encourage the states for which OPMET information has been identified as “not available” on SADIS to take corresponding actions in order that those data be produced and disseminated through the regional OPMET bulletins exchange schemes. The DMG members agreed on the following action:

Action DMG12-5-5: C. Keohan will send a copy of the state letter to A. den Uijl who will check the Sep. 2014 monitoring results along with the current PHP tickets, and if the case issue new tickets per each state.

Routing of Special AIREPs

Regarding the routing of Special AIREPs, the group agreed on the following action:

Action DMG12-5-6: P. Simon, G. Easthope and C. Keohan will have a review of the documentation (ICAO Doc. 9766) regarding the routing of VA Special AIREPs and come with a proposal to IAVWOPSG.

For the other Special AIREP messages (non VA), the EUR OPMET Handbook should be checked.

Agenda Item 7 – Consolidated set of timer values

The group recalled the current status of defining the timer values and agreed on the following action:

Action DMG12-7-1: W. Demol and P. Simon will provide the corresponding paragraph to be included into the DMG report for METG24, which will present the proposed values for the timers and will inform that further monitoring will take place to see what data will be rejected when these timers are applied.

It should be stated, also, that the current as well as the newly proposed values of the timers are more relaxed than the regulations. The reason being that a pragmatic equilibrium is needed between the strict regulations and the workload of the ROCs operators, in order to prevent rejection/delay of perfectly usable information.

For the data identified as being rejected, appropriate actions should be taken by PHP or, for those data not complying to Annex 3 regulations, via ICAO.

Agenda Item 6 – Performance Indices

IP01 – MET PI Tool

Graham Easthope informed the group that updates have been performed to the PI Tool since the last meeting, dealing with 1 hour rule and processing the RTD bulletins. Both updates can be viewed in the February 2014 dataset on the website <http://sadis.myafpex.co.uk/>. The group was also informed that for the September 2014 monitoring results, Belgium will represent the SADIS

2G receiver for the tool and provide the monitoring results due to KNMI (The Netherlands) transitioning to receive SADIS OPMET via FTP only which is unsuitable for Timeliness metrics within the tool.

WP05 – EUR DMG Website and OneDrive

M. Pichler presented to the group the current status of the DMG website updates. The group was consulted on the structure of the website and also about the content presented.

C. Keohan, on behalf of ICAO Paris, expressed the opinion that the DMG report be presented in the public part of the website, thus facilitating access for other aviation users to be informed on the current activities of the DMG.

Action DMG12-6-1: The DMG reports shall be presented in the public part of the DMG website.

The group considered important to have a presentation of the METNO updates. A Microsoft Word version of the updates history was provided by H. Swinnen. Nevertheless, it was considered that a more searchable version would be more appropriate.

Action DMG12-6-2: The METNO updates be formatted in a manner that provides easy search (xls would be a good option), published on the DMG website and periodically updated. G. Easthope will support H. Swinnen.

Regarding the WorkPackages 1 (Rodex Project) and 2 (AFI Data Addressing), the group considered that these two need to be closed. A new work package should be opened for the IWXXM CONOPS.

Regarding the collaborative working using Microsoft OneDrive, M. Pichler informed the group that an account was created for DMG and this started being populated with corresponding documents. It was agreed that a demonstration on the usage of this facility should be presented next DMG meeting.

Action DMG12-6-3: M. Pichler will present at DMG13 a demonstration on the usage of the OneDrive capabilities for the purpose of the DMG activities.

Agenda Item 9 – EUR Documents

WP06 - EUR OPMET Data Handbook - Updates

J. Funder presented to the group the updates performed to the EUR OPMET Handbook.

There was noted that AIREP mentions should be eliminated from the Handbook (only Special AIREP mentions need to remain). Pages: 13, 32.

Action DMG12-9-1: J. Funder will extract the references to AIREP messages from the Handbook and forward it to C. Keohan.

It was agreed that the changes from EUR to EUR/NAT not be included in this version. A new version will be prepared and forwarded as a proposal to the next COG meeting (13-15 Oct.).

Action DMG12-9-2: J. Funder will prepare a new version of the Handbook with changes from EUR to EUR/NAT and forward it to C. Keohan to be submitted to the next COG.

The group analysed the Appendix E of the Handbook – EUR OPMET Data Distribution Determination and agreed on the following actions:

Action DMG12-9-3: The three ROCs will investigate and correct the AFTN addresses in the table of Appendix E.

Action DMG12-9-4: M. Pichler and H. Swinnen will prepare a proposal for a new structure of the table in Appendix E of the Handbook (the new structure may imply more than one single table).

Agenda Item 10: DMG Report for METG24

P. Simon presented to the group the draft report for METG24. The group agreed the following should be inserted/added to the report:

- Timers work package (2.3.2 in the report) needs to be completed by P. Simon and W. Demol
- Routing of Special Airep: needs to be prepared by P. Simon and C. Keohan
- DMG Website and DMG reports availability: need to be provided by M. Pichler.
- EUR OPMET Handbook updates: need to be provided by J. Funder
- SIGMET Monitoring + proposal to reduce to 1 monitoring/year: M. Pichler
- Working paper on SIGMET COR + CNL: M. Pichler
- PHP Report: A. den Uijl
- DB RQM Monitoring: W. Demol
- Working Paper on RWY State implementation: P. Simon and C. Keohan
- Addressing or Eur and Non-Eur OPMET Data (2.2) G Easthope to input for ROC London
- Report on Performance Indices for OPMET Data G Easthope to update

Agenda Item 12: Next DMG Meetings

Dates and location of the next meetings

DMG13: 28-30 October, Vienna

DMG14: 24-26 March 2015, De Bilt

DMG15: Dates tbd, Toulouse.

Agenda Item 13: Any Other Business

During the discussions, members of the group expressed their opinion that would be beneficial to know how the activities were organised into other ICAO regions. In this respect, P. Simon offered to make a presentation of the Ambex Plan during DMG13.

H. Swinnen informed the group on the AMHS availability in Brussels and made an approach to the ROCs for establishing AMHS links. London, as the corresponding ROC for Brussels, informed the group that currently the AMHS system is being upgraded and it is not intended to accommodate the link with the old system. The AMHS link to Brussels will be established very soon after the upgrade is completed.

It was mentioned that there is a METG requirement that the ROCs and Databanks make efforts for implementing the XML data exchange (which implies AMHS links).

Regarding the RODC: the group appreciated that the project is rather complex and requires significant resources. It is therefore important, in order to plan and allocate the necessary

resources, to know what the lifespan of the project could be and how it will fit with the future changes related to IWXXM and SWIM. It was agreed by the group to stop for the moment the development of the detailed system description and system requirement specifications, until conclusions coming from the MET Divisional meeting are available.

Agenda Item 11: IWXXM ConOps

The group reviewed the CONOPS document, taking into account remarks from MARIE/PT and Eurocontrol (Dennis Hart during the pre-DMG/11 meeting) and new information from ICAO (OPMET distribution in TAC will remain standard, in parallel with the recommendation for XML distribution, until Annex3 Amd78). In order to emphasize the SWIM enabling aspect of WXXM, it was decided to add an extra transition phase in the document regarding the period 2019 – 2025+, which will include the transition towards netcentric data exchange. The group agreed to continue working on the document by using the OneDrive facilities. The intention is to include the document, once approved, in the ICAO Manual on the Digital Exchange of Aeronautical Meteorological Information (ICAO Doc 10003).

List of actions resulted after DMG10

Ag. Item/BMG	Action item	Responsible	Target date
	DMG09		
DMG09-6-6	Prepare WP on the NOC back-up procedures – guidelines to be followed when a NOC is not able to distribute its data via normal means.	G. Easthope J. Funder C. Keohan	DMG10
	DMG10		
DMG10-4-8	Work on the monitoring results presentation and come with a proposal for the next DMG meeting.	A. den Uijl P. Simon H. Swinnen G. Easthope	DMG12
DMG10-4-13	Include in DMG report the proposal to reduce SIGMET monitoring frequency	P. Simon	METG24
	DMG11		
	Update the “Scope & Goals” chapter of the ConOps document for a better description related to SWIM transition	P. Simon	
DMG11-10-2	Introduce in the ConOps provisions related to the WMO model (including reference to documentation, URL links, etc)	P. Simon W. Demol A. den Uijl	
DMG11-3-1	Include in the DMG report to METG24 information that DMG performed the monitoring of RWY state group usage and the results were presented to ICAO Paris	P. Simon	METG24
DMG 11-8-7	Check the timers results with the February monitoring (or a special monitoring, if needed) and identify what European data will be systematically rejected when applying the proposed timers. The results will be presented to the next DMG and addressed through PHP	ROCs	DMG12
DMG11-6-2	Develop a consolidated requirements specification document for the RODC application and present the document to the next DMG	J. Funder H. Swinnen W. Demol	DMG12
DMG11-11-1	Take action for the public part of the FTP sites being discontinued.	P. Simon H. Swinnen M. Pichler	DMG12
DMG11-11-5	In the DMG report, a caveat will be included to mention that an updated draft version is published and available on the ICAO website.	P. Simon	METG24
	DMG12		
DMG12-2-1	Include the column header in the monitoring results, starting from Sep. 2014 monitoring.	P. Simon	Sep. 2014
DMG12-2-2	Identify what FASID data are received only by GTS and not AFS and will report to the next DMG meetings	ROCs	DMG13-14
DMG12-2-3	Starting with the Sep. 2014 monitoring, Belgium will provide the SADIS 2G monitoring and the corresponding results.	H. Swinnen W. Demol	

DMG12-2-4	Create a presentation document of the DMG and its activities.	P. Simon A. den Uijl C. Keohan	
DMG12-2-5	Eliminate from the Handbook references to the DMG FTP sites	J. Funder	DMG13
DMG12-4-1	DMG and ICAO will prepare a common working paper present the current stage of implementation of the new runway state format.	P. Simon C. Keohan	METG24
DMG12-4-2	The SADISOPSG Conclusion 19/27 (restructuring SUG Ann.3) needs to be analysed by the DMG and response prepared for the next SADISOPSG meeting.	DMG members	SADISOPSG
DMG12-5-1	Working paper related to the usage of COR SIGMETs, to be presented to the METG24.	M. Pichler	METG24
DMG12-5-2	DB RQM monitoring included into the DMG report for METG24.	W. Demol	METG24
DMG12-5-3	Analyse the monitoring results from H. Swinnen and correlated to the overview presented, derive PHP actions for EUR data in range 01-39	A. den Uijl	DMG13
DMG12-5-4	Restructure the Attachment B of the WIFS-SADIS comparison results and will forward it to ROC London to investigate and confront with the current routing tables, and derive corresponding action plans through PHP	A. den Uijl G. Easthope	DMG13
DMG12-5-5	Check the Sep. 2014 monitoring results along with the current PHP tickets, and if the case issue new tickets per each state.	A. den Uijl (C. Keohan)	DMG13
DMG12-5-6	Review of the documentation (ICAO Doc. 9766) regarding the routing of VA Special AIREPs and come with a proposal to IAVWOPSG	P. Simon, G. Easthope and C. Keohan	
DMG12-7-1	Provide the corresponding paragraph to be included into the DMG report for METG24, which will present the proposed values for the timers and will inform that further monitoring will take place to see what data will be rejected when these timers are applied.	W. Demol P. Simon	METG24
DMG12-6-1	The DMG reports shall be presented in the public part of the DMG website	M. Pichler	DMG13
DMG12-6-2	The METNO updates be formatted in a manner that provides easy search (xls would be a good option), published on the DMG website and periodically updated.	H. Swinnen & G. Easthope	DMG13
DMG12-6-3	Demonstration on the usage of the OneDrive capabilities for the purpose of the DMG activities.	M. Pichler	DMG13
DMG12-9-1	Extract the references to AIREP messages from the Handbook and forward it to ICAO	J. Funder	DMG13
DMG12-9-2	Prepare a new version of the Handbook with changes from EUR to EUR/NAT and forward it to ICAO	J. Funder	DMG13
DMG12-9-3	Investigate and correct the AFTN addresses in the table of Appendix E (distribution determination)	ROCs	DMG13
DMG12-9-4	Proposal for a new structure of the table in Appendix E of the Handbook (the new structure may imply more than one single table).	M. Pichler H. Swinnen	DMG13