

REPORT OF THE DATA MANAGEMENT GROUP

TENTH MEETING

(Copenhagen, 22-24 October 2013)

The tenth meeting of the Data Management Group was held from 22 to 24 October 2013 in NAVIAIR 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. Tahseen Uddin	Denmark
Mr. Patrick Simon	France (Chairman)
Mrs. Annemiek den Uijl	Netherlands
Mr. Laurentiu Brojboiu	Romania (Secretary)
Mr. Stuart Dingle	United Kingdom
Mr. Christopher Keohan	ICAO Paris

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
EANPG, COG and METG
AFSG/PG
WMO Group AvXML
4. EUR OPMET Data Update procedure and data monitoring, reporting and addressing
 - i) Routine
 - ii) Non-routine (incl. SIGMET issues)
 - iii) Volcanic Ash
 - iv) Addressing of EUR and Non-EUR OPMET data
5. Performance Indices
6. RODEX
7. Documentation
 - a) EUR OPMET Data Management Handbook
 - b) PHP
8. WXXM
9. AOB
 - Propose a new agenda type focussed on METG work program
10. Next meetings

Agenda Item 3: Information from other groups

METG23 (17-20 September 2013)

C. Keohan informed the group on the outcome of the METG23 meeting, particularly on the aspects related to the DMG activities.

It was noted that the EUR SIGMET and AIRMET Guide was updated, mainly in context of Amendment 76 to Annex 3, and was going to be published by ICAO Paris. Meanwhile, it was also noted that the Meteorological Warning Study Group METWSG/5 agreed that an ad-hoc study group complete the development of a regional Sigmet guide template, and in response METG23 also decided to form an ad-hoc group to monitor the development of the global template and the alignment of the EUR guide with that.

Regarding the correct use of the information on the **runway state** it was noted that after sending the relevant State letter, monitoring by Copenhagen (March-April 2013) had revealed a decrease in errors to approximately one-third of those reporting the runway state group. Nevertheless, non-compliance still existed in 10 States and the DMG group was asked to continue the monitoring during this winter and report back to METG24.

Action DMG10-3-1: Denmark will continue the monitoring of the compliance of the state of the runway reporting as supplementary information in METAR and SPECI in winter 2013-2014. At the end of Feb 2014, the results will be presented to ICAO Paris (C. Keohan).

METG Decision 23/9 - METAR issuance time ad-hoc group
with reference to a Harmonised European Transition Altitude (HETA).

An ad-hoc group consisting of representatives from United Kingdom, (rapporteur), France, Iceland, Ireland, Norway, Slovenia and Data Management Group be tasked to

a) determine State practices related to observation and issuance times of METAR containing QNH; and

b) detail any issues associated with changing the observation and issuance times of METAR; and

c) develop a recommendation for harmonizing these times by METG/24.

Interesting for DMG is the information on Z-hour. This should be checked by DMG's representatives in the group

TT-AvXML 3 (Montreal 7-9 October 2013)

The meeting was presented the draft report of the TT-AvXML meeting (IP05) and took note on the progress of the implementation of the XML standard.

DMG members commented on the need that ICAO Montreal define a position and a policy with regard to the implementation of the new standard, otherwise the Regions will progress by themselves in different ways, pushed by States.

Taking into account the importance of the subject, DMG considered useful to address that for the next DMG meeting within a special session on the subject and with participation of representatives coming from the other ICAO Regions and from WMO.

AFSG-PG

DMG was informed on the reaction coming from the AFSG (IP06), which included the appreciation of the good cooperation with DMG. It was noted that the AFSG members had expressed their content with choosing AMHS for the transport of MET data in XML format.

Taking into account the need for a further cooperation between the two groups, DMG agreed to assign S. Dingle as the AFSG-PG focal point within DMG. In order to formalise that, it was considered necessary to modify the terms of reference of the DMG and address the issue through METG.

Agenda Item 2: Actions from the previous meeting

The group approved the DMG09 Report and reviewed the status of the actions established at the DMG09 meeting. The completed tasks were erased from the list (highlighted in yellow; see comments).

List of actions resulted after DMG09

Ag. Item/BMG	Action item	Responsible	Target date
DMG5-2-1	Try to obtain missing information from Germany by contacting DWD. Russian Federation information completed and global database updated. Will ask Germany the first week in July for addresses.	P.Simon C. Keohan	DMG08
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 S. Dingle	
	DMG08		
DMG08-3-1	Include the GAMET, LL SigWx and W/T charts inventory as an attachment to EUR Doc 014 - EUR SIGMET and AIRMET Guide.	C. Keohan	
DMG08-4-2	Based on the METNO_Action Workbook, the ROCs will investigate the data that needs addressing via the METNO procedure and take necessary actions to formalise those data.	ROCs	DMG09
DMG 08-7-1	Update the document to take into account the followings: <ul style="list-style-type: none"> - Exclude column ED (with results from Germany, as it no longer participates in monitoring) - Remove "TAF validity period OLD" row. - Include mention of mandatory / non mandatory fields. 	H. Swinnen	DMG09
	DMG09		
DMG08-0-1	Include title for columns in the monitoring results	P. Simon	DMG10
DMG9-2-1	Will perform another comparison between SADIS and WIFS during the Sep. 2013 monitoring and the results will be provided to Stuart to take action (as the responsible IROG for US).	P. Simon	DMG10
DMG9-2-2	Analyse the bulletins containing European data that were re-compiled in the US and sent back to Europe. Take action to request US not to send those bulletins back.	S. Dingle	
DMG09-4-1	Investigate possible solving of the requests coming from Urumqi / China (a fixed list of METAR / TAF reports). Stuart will co-ordinate with the contacts in Singapore on this matter.	M. Pichler S. Dingle	
DMG09-4-2	Provide Chris with the details of the requests coming from	M. Pichler	

	the MID region, in order to be raised at the next BMG meeting o the MID region next week.		
DMG09-4-3	Derive the new tables based on the monitoring results in September 2013 and address the problems via PHP to the responsible ROCs.	A. den Uijl	DMG10
DMG09-4-4	Based on the proposed timers values, apply the corresponding settings on the NATS test system and monitor what data is rejected (starting mid July).	S. Dingle	DMG10
DMG09-4-5	Update the KNMI monitoring tool in order to properly handle the NIL reports	A. den Uijl	DMG10
DMG09-4-6	Verify whether at the SADIS gateway the keywords METAR or TAF are automatically included in a report when they are missing.	S. Dingle	
DMG09-4-7	In the calculation of the PIs, a NIL report shall always recorded as “not received”. That needs to be highlighted to the states in the DMG report for the next METG meeting.	P. Simon	METG
DMG09-4-8	Present a WP for the next METG meeting on the subject that there is a missing provision on the time limit for issuing TAFs	P. Simon	METG
DMG09-7-1	Repeat the evaluation on the rwy state usage for one more cycle, during the next winter season	J. Funder	DMG11
DMG09-6-1	Analyse the monitoring tables to depict those bulletins containing a mixture of required and not required aerodromes and present a WP to the next DMG.	Herman	DMG10
DMG09-6-2	Provide an updated version of ROC London routing table to Johnny in order to include it in the RODC application	S. Dingle	DMG10
DMG09-6-3	WP for the next METG in order to explain the best practices for routing policy of OPMET data in Europe	ROCs	METG
DMG09-6-4	Investigate whether is possible to depict required data that is received via GTS only and not on AFTN. Herman will provide support (differentiate between DB monitoring and AFTN)	P. Simon W. Demol	
DMG09-6-5	Contact ICAO (C. Keohan) to seek advice on obtaining an inventory of the headers used for the SIGMET bulletins from all the ICAO regions. In addition, will compile such an inventory based on what has been received so far by Netherlands	A. den Uijl	DMG10
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.	S. Dingle	DMG10
DMG09-6-7	Prepare WP on the results of investigating the cases when ROCs remove routing of bulletins containing data circulated on bi-lateral agreement (data beyond FASID requirements).	W. Demol	DMG10
DMG09-6-8	Coordinate discussions on the possible progress with the RODC GUI development and inform DMG members during next DMG meeting	J. Funder	DMG10
DMG09-8-1	Prepare a draft of possible use cases for IWXXM concept and distribute them to the DMG members before the next IWXXM ConOps meeting	S. Dingle	DMG10

The action DMG9-2-1 was re-scheduled for November 2013. Patrick, Stuart and Annemiek will plan a separate monitoring and comparison between SADIS and WIFS and will provide results to Stuart. Decide to open action plans for ROCs on what is on ISCS and not on SADIS.

The action DMG9-4-2 was re-scheduled. Michael will send to Chris the monitoring results of the RQM coming from the MID region and those will be presented to the next BMG meeting (mid December 2013), and noting that the establishing of the ROCs should make available the necessary data in the Region.

Agenda Item 4 - EUR OPMET Data Update procedure and data monitoring

IP07 – Urumqi RQM Messages

UK informed that following the DMG action 9-4-1 it had contacted Singapore to contact China asking to cease requests. The requests ceased and this is confirmed by Vienna RQM monitoring.

IP08 - Report Type Correction

S. Dingle informed the group that following the DMG action 9-4-6, ROC London checked, and the keywords METAR or TAF are automatically included only during the compilation, but not for any other bulletin. It also informed that work is being undertaken via PHP1044 to advise states that are not adhering to the correct format including the keywords.

IP01 - OPMET Monitoring Tool Evaluation

H. Swinnen presented to the group the overview evaluation of the OPMET Monitoring tools in use at the EUR OPMET Data monitoring Centres.

The group commented and proposed that the followings need to be excluded from the Monitoring Tool Specification:

- Compilation time
- Timeliness
- WT (from the list of bulletin types)

P. Simon informed that the monitoring tool used by Toulouse is also able to monitor the bulletin length.

Action DMG10-4-1: The states were asked to check the monitoring capabilities of the tools used and inform H. Swinnen to update the evaluation.

WP06 – OPMET Monitoring Results (September 2013)

H. Swinnen presented to the group the results of the regular monitoring exercise from September 2013. After analysing the corresponding tables, the following actions were agreed:

Action DMG10-4-2: Every ROC will check which data from its area of responsibility do not follow the RODEX addressing schema and try to solve by coordinating to the corresponding contacts or, if the case, open PHP tickets.

Action DMG10-4-3: Gibraltar data will be distributed by ROC Toulouse and not ROC London. UK will check that the correct routing is in place.

Action DMG10-4-4: ROC London and ROC Toulouse will indicate in the next monitoring results the duplicates (ROC Vienna is already providing duplicates monitoring).

Action DMG10-4-5: UK will take action to route all the necessary data to the NAT Region (including what Denmark transmits currently). Denmark will stop routing data directly to Washington.

Action DMG10-4-6: H. Swinnen will filter the tables containing METNO compliance to keep only data that is required.

The group agreed that the main goal of the monitoring process is to depict required data not received, and therefore the monitoring should concentrate on required data received via AFS.

Action DMG10-4-7: The centres participating in the monitoring shall provide the monitoring results for data received via AFS only (and via GTS for their area of responsibility).

In order to better interpret the results of the monitoring, the group members summarised below the issues that need to be highlighted during a monitoring exercise:

1. Reports NOT received by any of the monitoring centres.
2. Required data received by some centres ONLY.
3. Reports present in more than one bulletin.
4. Bulletins received from more than one source.
5. Required data received only via non-AFS means.
6. Data monitored:
 - on SADIS, but not on AFTN
 - on AFTN, but not on SADIS
 - on WIFS, but not on SADIS
 - on SADIS, but not on WIFS
7. METNO compliancy: data monitored, but never registered.

The group agreed that although most of the issues presented were included in the current tables, there is a need to simplify the presentation of the monitoring results to ease the interpretation and deriving of necessary corrections.

Action DMG10-4-8: Annemiek, Stuart, Michael and Herman will work on the monitoring results presentation and come with a proposal for the next DMG meeting.

IP02 - OPMET DB Brasil

Annemiek presented to the group the results of a monitoring performed by the OPMET Databank from Brasil.

In order to address more efficient the presented issues, it was requested to find out what was the focal point for inter-regional OPMET data exchange in the CAR/SAM Region. C. Keohan offered to provide details on that.

Action DMG10-4-9: C. Keohan will provide S. Dingle with details regarding the focal point for IR data exchange in the CAR/SAM region.

Regarding the monitoring results, it was also considered necessary not to receive the complete results, but rather to point out deficiencies related to missing data from the EUR Region.

IP03 –ASIA/PAC SIGMET Monitoring

M.Pichler presented to the group the information on the ASIA/PAC SIGMET monitoring exercise in November 2014. The members concerned (Austria, France, UK, Belgium and the Netherlands) agreed to send the results to Michael.

WP02 - SIGMET Monitoring

M. Pichler presented to the group the results of the SIGMET monitoring exercise from 4 September (WS) and 5 September (WV). Results for both monitoring exercises were based on the results received from 28 EUR-centres and from the RODBs Singapore, Tokyo and Bangkok as well as from RODB Dakar.

When analysing the results, a cross check was performed against the abbreviated headers declared in the App. B of the EUR Sigmet and Airmet Guide (Eur Doc. 014). A number of inconsistencies were highlighted and those need addressing by ICAO Paris.

Action DMG10-4-10: C. Keohan will perform the necessary updates to the AHL list in the Appendix B of the Eur Doc 014. Before updating, there will be requested the confirmation from the corresponding national representatives.

The group agreed that for an easy maintaining and update of the AHL list in the future it will be preferable to keep the list on the same website as the EUR SIGMET Guide itself.

Action DMG10-4-11: UK will check the proper routing in order to address the missing bulletins reported by Finland and Norway.

Action DMG10-4-12: M. Pichler will forward the monitoring results to ASIA/PAC in order to properly address the routing of data to Bangkok.

The group commented that the results show that currently the routing of the SIGMET messages is well established and efficient. Therefore, it was discussed a proposal to reduce the number of SIGMET monitoring exercises to only once per year. Although that was agreed in principle by the members, it was considered necessary to include the proposal in the DMG report for the next METG meeting, mentioning that will help to increase the efforts in other fields where more deficiencies are present.

Action DMG10-4-13: P. Simon will include in the DMG report for METG the proposal for reducing the SIGMET monitorings to once/year.

WP04 - Regional Sigmet Guides vs Reception

Following the action DMG09-6-5 A. den Uijl compiled an inventory of headers used for SIGMET bulletins from all ICAO regions. These headers were compared with bulletin headers received during 7 months in the KNMI database. The results of the comparison were presented to the group. There was also mentioned the development of the Regional Sigmet Guide Template, which is intended to include as an Appendix the list of headers used within the region.

The group discussed and considered useful not to have the AHL list included in each regional Sigmet Guide, but rather be part of a database maintained by ICAO, which shall be referred in the Regional Sigmet Guides. It was agreed to propose such an action to the next SADISOPSG meeting.

Action DMG10-4-14: DMG, A. den Uijl (on behalf of Netherlands) will present a paper to the next SADISOPSG meeting explaining that it will be useful to have the SIGMET headers in a database maintained by ICAO on its website and this list to be referred in the Regional Sigmet Guides.

WP08 - SIGMETs in FAB

J. Funder presented to the group the situation with bulletins issued by either EKCH or ESWI on behalf of its counterpart in the FAB, during the contingency situations. It was stressed that new AHL will be used for those bulletins.

The group discussed on the matter and did not foresee any problem, although registration of the new bulletins might be needed. It was also pointed that during the monitoring, the respective bulletins will appear as registered but not monitored. For the time being, no decision was made on this issue.

WP10 - EUR Region Data Recompiled by the US

Following the DMG action 9-2-2, UK performed an analysis of the bulletins containing European data that were re-compiled in the US and sent back to Europe.

Action DMG10-4-15: UK will contact the US and ask that in the exercise of tidying up the bulletins sent to EUR, not only the Kxxx bulletins be analysed, in order to ensure that only the required data are sent back to Europe.

Agenda Item 5 – Performance Indices

WP11 - MET PI

S. Dingle informed the group on the PI calculations based on the 1-14 September monitoring. Although the monitoring results from UK and Netherlands were available, some anomalies were noticed and these need to be solved first before PI calculations. With regard to the PI tool, the following proposals have been made:

- provided that ICAO will include in the *.csv FASID 2A table information on the availability of OPMET data for each station, this could be signalled in the PI results as well, giving useful information in case of poor results associated with partial availability of data
- the PI tool should not take into account the TAF AMD messages for calculation of PIs.

WP09 - TAF Timers Testing

The group was presented by S. Dingle with the results of the analysis performed by UK on the proposed timer values. It was agreed the following:

Action DMG10-5-1: Based on the timers values proposed in WP8 of DMG06 (except T2 value which should remain unchanged), UK will apply the corresponding settings on the NATS test system and monitor what data is rejected. The results will be presented in a WP to the next DMG meeting.

Agenda Item 7 – Documentation

WP7 - EUR OPMET Data Handbook - Updates

H. Swinnen presented to the group the updates of the Appendices C,D and E of the Handbook. Reviewing the corresponding tables, the group agreed on the following actions:

Action DMG10-7-1: All centres should investigate whether the information included in the table 2 of Appendix E (Responsibility and Address Information Table) corresponding to their area of interest are correct and come back to the next DMG with the necessary updates.

Action DMG10-7-2: Herman, Wim and Michael will work on the structure of the first table in Appendix E (Distribution modes) to try to simplify it and come with a proposal to the next DMG.

FTP Sites

There was a discussion on the utility for maintaining the FTP sites, as the recordings show only very limited activity and need for update.

Action DMG10-7-3: Patrick, Wim and Michael will investigate whether there is still a need to maintain the FTP sites, or further proceed to make all data available on the DMG website (with a possible back-up for it).

Agenda item 6: RODEX

RODC progress report

The group noted that currently no progress has been made with the RODC project, due to lack of resources regarding the coding of the GUI. In order for organisations to have a better understanding of the project and the resources needed, it was agreed the following:

Action DMG10-6-1: Johnny will present a paper to the next DMG meeting with the description of the project, including details on the structure, design, software architecture, software used.

Belgium requested the complete documentation available so far in order to present to Belgocontrol administration in seek of support for this project. J. Funder agreed to provide the necessary documents.

Agenda item 8: WXXM

UK informed the group that efforts have been made during the last period for coding conversion from TAC to XML, and currently METAR and TAF can be processed.

France informed also that MeteoFrance is also preoccupied with TAC->XML conversion, and is currently testing a conversion software provided by ECMWF.

Agenda item 9: Any other business

Helicopter platforms in the North Sea.

Annemiek informed the group about the helicopter platforms in the North Sea - the CCCC indicators are currently included in FASID 1C, and will be distributed on SADIS. These are not included yet in the FASID 2A and SUG Annex 1, which need to be aligned.

UK DMG Participation

Stuart informed the group that starting from DMG11, Graham Easthope will be the person nominated by UK to participate to DMG meetings. P. Simon took the opportunity to thank Stuart Dingle for the participation to the group activities. DMG also stressed the need to have a continuous representation from behalf of UK.

DMG Agenda Restructure

Action DMG10-9-1: Annemiek and Patrick will work on the restructuring of the DMG meetings Agenda, to better fit with the terms of reference of the group and with the dedicated requirements coming from METG.

Dates and location of the next meetings

DMG11: 18-20 March 2014, Brussels

DMG12: 10-12 June 2014, Romania (location tbd)

DMG13: Date tbd, Vienna

List of actions resulted after DMG10

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 S. Dingle	
	DMG09		
DMG9-2-1	Will perform another comparison between SADIS and WIFS during November 2013 and the results will be provided to Stuart to take action (as the responsible IROG for US).	P. Simon, A. den Uijl	DMG10
DMG09-4-2	Provide Chris with the details of the requests coming from the MID region, in order to be raised at the next BMG meeting o the MID region next week.	M. Pichler	
DMG09-4-5	Update the KNMI monitoring tool in order to properly handle the NIL reports	A. den Uijl	DMG10
DMG09-4-7	In the calculation of the PIs, a NIL report shall always recorded as "not received". That needs to be highlighted to the states in the DMG report for the next METG meeting.	P. Simon	METG
DMG09-7-1	Repeat the evaluation on the rwy state usage for one more cycle, during the next winter season	J. Funder	DMG11
DMG09-6-1	Analyse the monitoring tables to depict those bulletins containing a mixture of required and not required aerodromes and present a WP to the next DMG.	Herman	DMG10
DMG09-6-2	Provide an updated version of ROC London routing table to Johnny in order to include it in the RODC application	S. Dingle	DMG10
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.	S. Dingle	DMG10
DMG09-6-7	Prepare WP on the results of investigating the cases when ROCs remove routing of bulletins containing data circulated on bi-lateral agreement (data beyond FASID requirements).	W. Demol	DMG10
DMG09-8-1	Prepare a draft of possible use cases for IWXXM concept and distribute them to the DMG members before the next IWXXM ConOps meeting	S. Dingle	DMG10
	DMG10		
DMG10-3-1	Repeat the evaluation on the rwy state usage during 2013/2014 winter season and provide results to ICAO	J. Funder	End Feb. 2014
DMG10-4-1	Check the capabilities of the monitoring tools used and inform H. Swinnen to update the evaluation.	ROCs, RODBs	DMG11
DMG10-4-2	Check which data from its AoR do not follow the RODEX addressing schema and try to solve by coordinating to the corresponding contacts or, if the case, open PHP tickets.	ROCs	DMG11
DMG10-4-3	Gibraltar data will be distributed by ROC Toulouse and not ROC London. UK will check that the correct routing is in place.	G. Easthope P. Simon	DMG11

DMG10-4-4	Indicate duplicates in the next monitoring results	ROC London ROC Toulouse	
DMG10-4-5	UK will route all the necessary data to the NAT Region (including what Denmark transmits currently). Denmark will stop routing data directly to Washington.	G. Easthope J. Funder	DMG11
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.	
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 S. Dingle	DMG11
DMG10-4-9	Provide UK with details regarding the focal point for IR data exchange in the CAR/SAM region.	C. Keohan	
DMG10-4-10	Update the SIGMET AHL list in the Appendix B of the Eur Doc 014 (from SIGMET monitoring). Obtain confirmation from the corresponding national representatives.	C. Keohan	
DMG10-4-11	Check the proper routing in order to address the missing SIGMETs reported by Finland and Norway	G. Easthope	DMG11
DMG10-4-12	Forward the SIGMET monitoring results to ASIA/PAC in order to properly address the routing of data to Bangkok	M. Pichler	DMG11
DMG10-4-13	Include in DMG report the proposal to reduce SIGMET monitoring frequency	P. Simon	METG24
DMG10-4-14	Paper to the next SADISOPSG meeting explaining that it will be useful to have the SIGMET headers in a database maintained by ICAO on its website and this list to be referred in the Regional Sigmat Guides	A. den Uijl	SADISOPSG
DMG10-4-15	Contact US and ask that only the required data be sent back to EUR	G. Easthope	DMG11
DMG10-5-1	Timers evaluation	G. Easthope	DMG11
DMG10-7-1	Verify information in table 2 of Appendix E (Responsibility and Address Information Table)	All centres	DMG11
DMG10-7-2	Work on the structure of the first table in Appendix E (Distribution modes) to try to simplify it	H. Swinnen W. Demol M. Pichler	DMG11
DMG10-7-3	Investigate the need for keeping FTP sites	P. Simon W. Demol M. Pichler	
DMG10-6-1	Paper with the description of the RODC project, including details on the structure, design, software architecture, software used	J. Funder	DMG11
DMG10-9-1	Restructuring of the DMG Agenda	P. Simon A. den Uijl	DMG11