

DMG33 Notes

15.06.2021

The DMG33 was held virtually from 15 to 17th June 2021. The meeting was attended by the following:

Mr. Mohamed Mezred	Algeria
Mr. Michael Pichler	Austria
Mr. Herman Swinnen	Belgium
Mr. Wim Demol	Belgium (vice-Chairman)
Mr. Patrick Simon	France (Chairman)
Mr. Laurentiu Brojboiu	Romania (Secretary)
Mr. Sergey Grabko	Russian Federation
Mr. Vladimir Tsukanov	Russian Federation
Mr. Elena Averyanova	Russian Federation
Mr. Matthew Wagner	United Kingdom & SADIS
Mr. Christopher Keohan	ICAO Paris

The meeting started on Tuesday 15 June 10:00. The following agenda was presented for adoption:

1. Approval of the Agenda

WP01 – Agenda (Chair)

2. Approval of the DMG 32 report & Actions from previous meetings

Draft Report DMG32 & DMG32 actions list

[Status of the actions resulting from DMG/32 \(DMG Sec\)](#)

3. Information from other groups

ICAO

EUR:

From Parent groups: EASPG, COG, METG, (SWIM PT/under agenda 10)

From other groups: AST TF, AST TF/PG, VOLCEX, VOLKAM, PT/EAST

Global Groups

WG-MIE, WG-MOG/SADIS, IMP, METP

WMO, TT AvData

EASA & EU

4. IWXXM action plan

Consider development of implementation table based on information from METNO.

IWXXM Actions and coordination

- participate in the development of a regional implementation plan which may include regional/interregional workshop(s)

Status of IWXXM implementation in the EUR region

- Status of translation center agreements for IWXXM
- IWXXM I/R coordination

MID IWXXM workshop; 27-28 May 2021 outcome

DOC 014 (EUR AIRMET and SIGMET Guide) & IWXXM

DOC 018 (EUR OPMET Handbook) & IWXXM

DOC 033 (Guidelines on IWXXM transition in the EUR region)

5. OPMET Data Monitoring results, action plans & PHP

Monitoring of OPMET data for AOP aerodromes, following PHP actions or action plans

Systematically wrong formatted/coded OPMET data

WP/03 - Special Air Reports - France action plan (France)

WP/04 - DMG_EUR_Problem_Handling_Directives_recap (Belgium)

WP/09 PHP Report (UK) + att A

TC SIGMET

WP07 - TC-Monitoring-Report (Austria)

SWXA

IWXXM monitoring to be further defined /agreed (no monitoring in 2021)

PHP: IWXXM errors categories in PHP

Maintain and update a Database for agreed exchanged non AOP airports OPMET data

IP/01 SADIS and EUR region OPMET catalogue (UK) + Att A

6. Performance indices & Volume III – MET OPMET implementation

Implement Performance Indices for including availability and timeliness of OPMET data for AOP aerodromes and FIR/UIR on AFTN/AMHS and SADIS as per eANP Vol III;

WP02 - EUR ANP VOL III - B0 & B1 – AMET (ICAO Sec)

State Performance monitoring leading possibly to a deficiency

Assist MET Service providers in the EUR region, by implementing the appropriate tools to present indices about timeliness and availability

7. RODEX

ROC Moscow Work package

Present a consolidated WP that informs about the status of the transition and possible outstanding actions for states in the area of responsibility of ROC Moscow.

WP08 - Final Steps to Implement ROC Moscow (Austria)

ROC Back-up procedures/ contingency arrangements

New back-up schema: schedule, testing, remaining actions

Coordination with other regions

METNO procedure

AMHS I/R gateways and links

RODC

WP05 - RODC-Review (Austria)

8. EUR Documents

DOC 014 SIGMET & AIRMET dissemination & format

DOC 018 Handbook (outside IWXXM under Agenda 5)

WP/05 Proposals for the next iteration of EUR Doc. 018 (Austria) + Att A

9. SWIM

Follow SWIM developments from WG/MIE and EUR SWIM PT and assist in deriving an implementation plan in the EUR region for SWIM

SWIM Plan

- ROC plans

- RODBs plans

SWIM services for EUR RODBs

10. DMG report to METG/31

Organize the redaction of the report

11. Next meetings

DMG 34: October 2021 (virtual)

DMG 35: March 2022 (virtual or XX)

DMG 36: June 2022 (XX)

12. Any Other Business

DMG & SWIM (change our name / purpose)

Agenda Item 1: Adoption of the Agenda

The group agreed upon the final form of the agenda, including the papers to be presented under each agenda item.

Agenda Item 2: Actions from previous meetings

The group analysed the status of the actions resulted from the previous meetings. The following table contains the updated situation resulting after discussions.

Actions from previous meetings

(actions highlighted are considered completed)

Id	Action	Responsible	Target date	Resolution / Comments
DMG30-2-5	Provide the results of special air-report reception at ROC Toulouse for a period in the beginning of next year	P. Simon	Q2 2021	Target date: DMG33
DMG30-3-3	Provide details to <i>Chris Keohan</i> who will contact the corresponding ICAO Office for addressing compiling centres of WC bulletins which are not in 7910	H. Swinnen C. Keohan		
DMG30-3-7	Check on the necessity to update the EUR Doc 018 regarding the new requirements for WC (probably the update procedure and monitoring sections).	M. Pichler	DMG32/33	WP for DMG33
DMG30-7-1	Check SIGMETs for Uzbekistan (Nukus)	Russian Federation	DMG33	M. Pichler checked and Kazakhstan is received regularly. Uzbekistan last received Feb. 2019. Russian Federation will investigate. Already contacted Uzbekistan and response is awaited. C. K. checked the eEANP and Nukus FIR is confirmed.
DMG30-7-4	Issue PHP tickets for cases of deterioration	M. Wagner H. Swinnen	DMG31	DMG33, based on Feb 2021 results
DMG30-11-2	Prepare a paper on AMDAR – as not OPMET (aviation) data	P. Simon C. Keohan	DMG32	

DMG30-11-5	Present a WP to the next meeting of AST Task Force informing on the requirement of using AFS for OPMET data exchange	P. Simon	DMG34	In coordination with C.K.
DMG30-11-6	Review the back-up procedure and test in 2021	ROCs	METG31	Testing impossible this year due to current situation (difficult access to operational systems). Postponed for 2022.
DMG30-8-2	Contact Turkmenistan in order to obtain an answer on what ROC area of responsibilities was chosen	C. Keohan Russian Federation	DMG31	No answer received so far.
	DMG31			
DMG31-5-2	Provide to M. Pichler the contact persons related to SWx Advisories (from Russian Fed. and also from China, if available).	Russian Federation	DMG32	Coordination needed to obtain information (contact points) from all SWx centres in order to plan the next monitorings. P. Simon will check with SWx Advisories Team.
DMG31-6-1	Check the current status of their corresponding PHP tickets	All 4 ROCs	DMG33	Herman will work on the monitoring results and provide support to Matt on deriving PHP tickets for the 4 ROCs.
	Nominate PHP responsables on behalf of ROC Moscow	Russian Federation	DMG33	
DMG31-4-1	Get information from States in their AoR regarding usage / planned usage of AMHS/FTBP for the exchange of IWXXM data	ROCs	on-going	
DMG31-4-2	Inform States that do not use or plan to use AMHS for the exchange of IWXXM data that translation by the corresponding ROC can be used (as an alternative for filing a difference) - for a limited period.	M. Pichler C. Keohan M. Wagner	METG31	

		ROCs		
DMG31-4-3	Inform DMG on the updates needed to Doc 033, as resulting from WG-MIE discussions	P. Simon M. Wagner	on-going	MIE conclusions not endorsed yet. New target date: DMG33
DMG31-9-1	Present current situation with updates to Doc018	M. Pichler	DMG32	New target date: DMG33
	DMG32			
DMG32-3-1	Provide a WP to DMG33 regarding updates needed to Doc 10033	P. Simon (M. Wagner)	DMG33	
DMG32-4-1	Contact ICAO Offices Dakar and Nairobi in order to obtain information on current status of implementation of IWXXM in the AFI region and plans for exchanging data with EUR	P. Simon C. Keohan	DMG33	
DMG32-4-2	Investigate for their AoR the inconsistencies between TAC bulletins and IWXXM and, except for justified reasons, try to align the content of the bulletins and in any circumstance announce through the METNO procedure	4 ROCs	DMG33	
DMG32-5-1	Update the text of the invitation (early warning). Distribute to the warning focal points and to METG contacts (if not already in first list)	(C. Keohan) M. Pichler	April 2021	
DMG32-5-2	Contact IROGs to inform about the EUR TC Sigmet test	EUR IROGs	April 2021	
DMG32-5-3	Coordinate with TCAC Miami and Tokyo to obtain confirmation on the advisory messages headers and invite to participate to EUR monitoring test in April	C. Keohan	April 2021	

DMG32-5-4	Investigate the routing for the APAC messages (FK, WC, FV, WV, WS), as per the results provided in 2.2 of WP05. Report to DMG33.	ROCs	April 2021	
DMG32-5-5	Verify the warning monitoring results for own AoR and investigate the routing problems	ROCs	mid May 2021	
DMG32-5-6	Adapt the warning monitoring reporting tool in order not to show "normal" AIREPs	M.Pichler	Feb 2022	
DMG32-5-7	Check the warning headers (e.g. Turkey) in the database and, if necessary, ensure the headers are communicated via METNO	M. Pichler		
DMG32-5-8	Update the list of SIGMET & AIRMET headers on the ICAO website	C. Keohan	DMG33	
DMG32-5-9	WP on guidance and possible use cases for the work-packages derived from monitoring results	H. Swinnen	DMG33	
DMG32-5-10	Identify problems related to differences between WIFS & SADIS	P. Simon M. Wagner	DMG33	
DMG32-5-11	Identify additional problems from Feb 2021 monitoring results and provide information to ROC Moscow, Vienna and Toulouse, which will investigate and issue the corresponding PHP tickets, as necessary	M. Wagner H. Swinnen Russian Federation	end of May	
DMG32-5-12	WP related to revision of the VAA distribution policy (with intention to present to METG/31)	P. Simon (+ROCs)	DMG33	
DMG32-5-13	WP/IP regarding what is mandatory / optional to monitor and how the Doc 018 needs to be updated	M. Pichler	DMG33	

		H. Swinnen (W. Demol)		
DMG32-5-14	Update the tables in Vol. III with data resulting from Feb 2021 monitoring.	C. Keohan H. Swinnen	DMG33	
DMG32-5-15	SIGMET monitoring for Jan-May 2021 (+ SPECIAL AIREP)	France (P. Simon)	DMG33	
DMG32-5-16	Derive the PHP tickets from Feb 2021 monitoring results and ROCs to take action	M. Wagner ROCs	DMG33	
DMG32-6-1	Investigate the Performance Indices tables and inform States that do not perform well	4 ROCs	DMG33	
DMG32-6-2	Provide information regarding location indicators not in 7910 from other regions. Contact the corresponding ICAO Offices to take action on the subject	H. Swinnen C. Keohan	DMG33	
DMG32-7-1	Coordinate by email on the AMHS addresses to be used for OPMET data exchange.	4 ROCs		
DMG32-7-2	Provide a list of headers that ROC London will distribute to ROC Moscow	M. Wagner	DMG33	
DMG32-9-1	Provide the latest version of the database (corresponding to 25 March AIRAC date)	H. Swinnen	DMG33	
DMG32-10-1	IP on the implementation of HTTP request / reply services at Meteo France	P. Simon L. Marty	DMG33	

DMG32-8-1	Trial of the functionalities of RODC application and report to DMG33	P. Simon M. Pichler H. Swinnen M. Wagner	DMG33	
DMG32-9-1	Updated version of OPMET catalogue (25 March 2021)	H. Swinnen	DMG33	

Agenda Item 3. Information from other groups

C. Keohan briefed the group on some of the decisions / conclusions addressed to EASPG.

Volcex is well progressing. Preparation in October, exercise on 16 Nov. 2021.

Volkam – postponed to 2022 (depending on traffic).

PT/EAST interrupted due to pandemic.

AST-TF is reporting to PSG of EASPG (will meet first week of December). MW informed that updates to previous UK papers on inter-regional exchange will be presented.

C. Keohan will send information to both AFI Offices stating that not only IWXXM exchange is to be considered, but also the establishing of AFS links between the regions.

WG/MIE

P. Simon informed on topics discussed during last meetings, like: coordination of IWXXM inter-regional exchange, global repository of exceptions, new IWXXM design, SWIM. Consolidated PANS-MET. Proposal to merge METARs with local reports.

EASA Activities related to EU MET Regulation

W. Demol informed on further actions related to aligning 373 with Annex 3. The Opinion 1 published in Feb. 2021 differs significantly from the original draft Opinion (May 2020) and introduces changes and errors (e.g. introduction of SPECI). It will be further discussed at EASA Committee with the hope of having the changes undone.

Agenda Item 4. IWXXM Action Plan

WPO8 IWXXM Action Plan (MP)

Extension of translation service needed by at least one year (taking into account the current situation which prevented many States to take action and as such still need the translation service). More pressure needed to encourage States to produce IWXXM by themselves. An implementation plan to be required for States asking for translation service (as part of the request for the extension of the translation service). The draft paper will be available first week in July.

Italy will start producing IWXXM in two months time. Next month the AMHS link with France will be in place. METNO proposal will be coordinated in advance.

M. Pichler update on Cyprus: AMHS capable, NOC can provide IWXXM, but missing link between NOC and AMHS. An FTP link is in place for ensuring data exchange (as a back-up solution). The group had no objection on using this interim solution until the AMHS link becomes available.

Inter-regional exchange of IWXXM

AFI webinar planned on 3rd August 2021.

MID IWXXM Workshop (May 2021): massive participation (only 2 States missing), 104 participants. Intention to implement IWXXM expressed by States: Jordan - Q3 2021, Kuwait end 2021, Lebanon end

of 2023, Oman end of year, Qatar this summer, Saudi Arabia in Q2 2022. MID Region plans to exchange IWXXM data once the AMHS link to Nicosia becomes available (2021 ?).

Doc 014 & IWXXM

Regarding conflictual provisions related to reporting order of polygon nodes: A proposal to introduce a small note in EUR Doc 014 to put it in line with WMO / GML specifications - to be forwarded to SIGMET ad-hoc Rapporteur. The proposal to be also mentioned in the DMG report.

Action DMG33-4-1: W. Demol (with support from C.Keohan) will present a proposal to the Rapporteur of the SIGMET ad-hoc group, with regard to provisions on reporting order of polygon nodes.

The wording will focus on the strict policy for IWXXM which constrains using anti-clockwise order.

Action DMG33-4-2: P. Simon will inform B.L. Choy that the examples for IWXXM SIGMETs provided on the WMO website are wrong (use clockwise order).

WPO3 Special Air Reports

P. Simon informed the group that a SWIM service based solution was tested for transmitting the Special AIREPs from DSNA to Meteo France. It started with Bordeaux ACC in Q1 2021 and it is planned to cover all 5 ACCs by end of Q1 2022 (with intention to extend further to APP units). The number of Special AIREPs increased since May 2021. Those are made available to the planning tool, also.

It was agreed that this year, due to the current situation with the low traffic, the addressing of situation of low or no AIREP reporting be addressed through PHP, instead of presenting the situation to METG31. The approach to the States should be based on the last METG conclusion regarding the need for Special AIREP exchange.

W. Demol informed that actions were in place for establishing working procedures between Maastricht ACC and the four MET services in their area, with respect to transmission of Special AIREPs.

C. Kehoan informed that Nukus was confirmed as an existing, valid FIR. The Russian Federation to check with Uzbekistan on reception of WSUZ31 UTNN bulletins.

Action DMG30-7-1 remains open: ROC Moscow to check with NOC Uzbekistan whether the correct routing is in place for SIGMETs for Nukus FIR.

WPO4 EUR PHP Directives

H. Swinnen presented guidance on the creation and handling of PHP tickets, based on the results of DMG OPMET monitoring exercises. Possible problem cases were associated to corresponding work packages: distribution, availability, METNO procedure violation, erroneous data, SADIS/WIFS differences, performance indices.

Due to the current situation, the group agreed that this year priority should be given to the routing problems (instead of availability problems). As for METNO - focus on EUR region only.

Ag. Item 5. OPMET Data Monitoring results, action plans & PHP

WP09 PHP Report (MW)

M. Wagner presented to the group the PHP report. In the attachment to the WP, a listing of the missing data was presented along with the necessary actions (either to open new tickets or add to an existing one). Existing tickets which require actions were also presented to the group.

Action DMG33-5-1: The ROCs Moscow, Toulouse and Vienna to investigate whether missing data from their AoR is still missing and take the necessary actions.

WP07 Results of TC Advisory and Warning Monitoring (MP)

M. Pichler informed on the results of the first TC Monitoring exercise (12th May 2021). Two issues were identified and appropriate actions were taken during the exercise: the routing of WC messages from the Russian MWOs was missing in Prague, while another issue at the UKMO prevented sending of WCUK31/33.

Action DMG33-5-2: ROCs to check the routing of FK / WC bulletins indicated as not received by the States in their AoR.

The investigations could include bi-lateral tests with the corresponding NOCs. The results gathered by the end of June will be sent to MP.

Action DMG33-5-3: M. Pichler (with support from C. Keohan) will prepare a WP06 for METG31 on the TC Advisories and Warnings.

There was agreed that an intermediate monitoring (July or November) would not bring much benefit. Instead, the TC monitoring will be included into the February 2022 exercise. The paper for METG31 and the invitation to the next monitoring exercise should stress that States should fill-in the results giving priority to the AFTN/AMHS reception.

IP 01 SADIS and EUR Region OPMET Catalogue

MW presented to the group the changes made to the 2021 EUR Region and SADIS OPMET catalogue, including changes to the layout and data source (RODB Brussels). Regarding the layout, there was included a separate sheet for each data type (formatted to capture the specific fields for each type).

The group extensively discussed the categorization of data with regard to eANP / AOP / non-AOP aerodromes.

Conclusions:

- H Swinnen will investigate the way the ICAO input files are processed and make sure that AOP aerodromes are treated as eANP. Previously, the aerodromes in eANP for which no requirement was presented were wrongly marked as non-AOP. Those should be considered AOP instead and will be marked with digit "9" for requirements, indicating the lack of requirement.
- the group agreed on the removal of column G for the FIR based messages, while for airport based there will be one column named "eANP" and contain only the possible values Y or N. Besides that, on a short term solution (in order to be able to present the catalogue on the ICAO

website), the columns related to AOP / eANP may be removed and an explanation will be included into the front page.

- It was considered a suggestion to the other ICAO ROs regarding the need to explicitly indicate in the eANP with letter “N” for no requirements (instead of blank, now). That is of low priority and will be probably possible when other major updates to eANP are foreseen.

Action DMG33-5-4: H. Swinnen and M. Wagner, with support from P. Simon will work on establishing the principles and format for deriving the Catalogue. A first draft will be presented next DMG with the intention to have a solid version ready for DMG in March 2022, ready to be presented to MOG.

Regarding the need to report on this subject to other groups, it was mentioned that there is not a specific requirement coming from METG (actually it is from WG- MOG). As such, there will be a mention into the report that DMG is working on this catalogue, in order to provide useful information to the users. Something consolidated may be provided by the end of this year.

Ag. Item 6 Performance indices & Volume III – MET OPMET implementation

WP02 EUR ANP Vol. III (CK)

The DMG was invited to review and update the EUR ANP Volume III tables pertaining to ASBU B0-AMET (as provided in Appendix A to the paper). The updates tables will be presented to METG31.

WD pointed that the availability of METAR in IWXXM corresponds to the percentage of States that implemented IWXXM (and is not related to the overall availability of data).

MW provided information regarding the actions undertaken by Jersey for addressing the FIR indicator and name - work is in progress.

Ag. Item 7 RODEX

ROC Moscow Work package

WP08 - Final Steps to Implement ROC Moscow (MP)

M. Pichler presented a consolidated WP informing about the status of the transition and possible outstanding actions for states in the area of responsibility of ROC Moscow

No response had been received so far from Turkmenistan regarding inclusion into the AoR of ROC Moscow. C. Keohan will try to obtain a better contact in Turkmenistan from ICAO Regional Office .

The Russian Federation informed that would implement the routing in the beginning of July. There was also provided the listing of data that ROC Moscow would provide.

Update from IWXXM 2.1 to 3.0 was planned for October 2021.

Translation agreements already available with Armenia, Belarus and Kyrgyzstan. The others - in progress, update on the status for METG31.

H. Swinnen informed that all DMG OPMET tables / catalogues were updated with regard to inclusion of ROC Moscow.

HS - AFS address needed from RF for reception of METNO messages.

Action DMG33-7-1: ROC London and Toulouse were invited to provide the listing of headers that will be sent to ROC Moscow and to propose dates for the transition.

WP06 RODC Review (MP, MM)

Incorrect colouring of Malta on the map, as it is actually part of ROC Toulouse AoR.

M. Pichler presented several observations related to the functionality, as recorded during the testing. The dysfunctions and the proposals for improvement were noted by M. Mezred and the application will be updated accordingly.

Information on the progress will be included into the DMG report.

Ag. Item 8 EUR Documents

WP05 Proposals for the next iteration of EUR Doc. 018 (MP)

M. Pichler presented to the group a summary of the proposed changes for the new iteration of Doc 018.

Regarding the distribution of VAAs and TCAs, the group agreed that it would be better to follow the RODEX schema. That will be reflected into Doc018 accordingly. A mention would be included into the DMG report to METG31.

As for the inter-regional exchange, P.Simon will contact the IROGs in the AFI Region (through the ICAO Regional Offices and informing also the VA Manager) to ask for the distribution addresses to be used and mentioning that the further distribution into the region would be their responsibilities.

For space weather - removed information not relevant for the group (naming of the centres, period of service). Corrected to reflect the distribution according to the RODEX schema.

Database misuse and abuse - to be moved to A9. W. Demol will provide a text proposal.

Regarding the OPMET Monitoring Tool - proposal to merge the two tables for routine / non-routine data (uniform format for both result files). A note will be included for mentioning optional padding with spaces for empty fields.

ATSU and MWO in non-routine bulletins should be Mandatory.

Sections under-construction should be marked on each page. Alternatively - the corresponding sections to be removed from the document, as it may be misleading.

The included changes will be circulated to the group for a final review before presenting to METG31. If needed, a short on-line meeting may be arranged for discussing the issues.

Action DMG33-8-1: The version of Doc 018 resulted after DMG33 will be circulated to the DMG members for a final review. Feed-back /comments to be provided by end of June. The consolidated version will be provided in 1st week of July to C.Keohan.

Agenda Item 9 SWIM

C. Keohan provided a short update related to the activities of SWIM-PT. It might be necessary to adapt the dates of the DMG tasks related to this subject. C. Keohan and P. Simon will prepare text for the report (before METG).

With regard to SWIM services provided by EUR RODBs - W. Demol will provide elements for inclusion into the DMG report.

Ag. Item 10 DMG Report

The group had a look into the draft DMG Report for METG and agreed on the necessary actions from the members.

Papers for METG31

8 WPs are expected, in two tiers (early July / 31st August).

WP	Mid July	End August
DMG Report		x
WP06 WC SIGMET Requirements in the EUR Region(MP)	x	
PHP report (MW)	x	
WP07 Special air-reports – France action plan (PS)	x	
WP09 Status of ROC Moscow (MP and RF)	x	x
WP10 IWXXM Implementation Regional Plan (MP)	x	
WP11 IWXXM Translation Extension (PS and CK)	x	
WP12 Update to EUR Doc 018 (MP and WD)	x	
WP14 EUR ANP Vol III (CK)	x	
IP04 EUR SWIMP PT (CK)		

Next meetings:

DMG 34: 18-21 October 2021 (virtual)

DMG 35: March 2022 (virtual or f2f)

There was discussed the possibility to organize a face-to-face meeting in the future. A decision will be made at DMG34, based on the conditions at that time.

AOB

M. Pichler - question from Turkey related to the translation agreement and for how long will be extended. The response will mention that following the discussion at DMG33, the extension period will be for one year.

DMG33 LIST OF ACTIONS

Id	Action	Responsible	Target date	Resolution / Comments
DMG30-7-1	Check SIGMETs for Uzbekistan (Nukus)	Russian Federation	DMG33	C. K. checked the eEANP and Nukus FIR is valid.
DMG30-11-5	Present a WP to the next meeting of AST Task Force informing on the requirement of using AFS for OPMET data exchange	P. Simon	DMG34	In coordination with C.K.
DMG30-11-6	Review the back-up procedure and test in 2021	ROCs	METG31	Testing impossible this year due to current situation (difficult access to operational systems). Postponed for 2022. Status will be included into the DMG report to METG
DMG30-8-2	Contact Turkmenistan in order to obtain an answer on what ROC area of responsibilities was chosen	C. Keohan Russian Federation	DMG31	New contacts available, potential better responsiveness.
	DMG31			
DMG31-6-1	Check the current status of their corresponding PHP tickets	All 4 ROCs	DMG33	Work Packages available
DMG31-4-1	Get information from States in their AoR regarding usage / planned usage of AMHS/FTBP for the exchange of IWXXM data	ROCs	on-going	Italy - summer 2021
DMG31-4-2	Inform States that do not use or plan to use AMHS for the exchange of IWXXM data that translation by the corresponding	M. Pichler C. Keohan	METG31	WP11 for METG31

	ROC can be used (as an alternative for filing a difference) - for a limited period.	M. Wagner ROCs		
	DMG32			
DMG32-3-1	Provide a WP to DMG33 regarding updates needed to Doc 10033	P. Simon (M. Wagner)	DMG33	
DMG32-4-2	Investigate for their AoR the inconsistencies between TAC bulletins and IWXXM and, except for justified reasons, try to align the content of the bulletins and in any circumstance announce through the METNO procedure	4 ROCs	DMG33	Patrick was in contact with Italy, solving of problems expected by the end of this year. WPkg from DMG32 WP12. Report to DMG34
DMG32-5-2	Contact IROGs to inform about the EUR TC Sigmet test	EUR IROGs	April 2021	Distributed, but need to be checked. Also for the next exercises.
DMG32-5-4	Investigate the routing for the APAC messages (FK, WC, FV, WV, WS), as per the results provided in 2.2 of WP05. Report to DMG33.	ROCs	April 2021	
DMG32-5-7	Check the warning headers (e.g. Turkey) in the database and, if necessary, ensure the headers are communicated via METNO	M. Pichler		
DMG32-5-10	Identify problems related to differences between WIFS & SADIS	P. Simon M. Wagner	DMG33	Differences even growing, due to CCCCs containing digits which are not distributed on SADIS.
DMG32-5-12	WP related to revision of the VAA distribution policy (with intention to present to METG/31)	P. Simon (+ROCs)	DMG33	

DMG32-6-1	Investigate the Performance Indices tables and inform States that do not perform well	4 ROCs	DMG33	
DMG32-7-1	Coordinate by email on the AMHS addresses to be used for OPMET data exchange.	4 ROCs		
DMG32-10-1	IP on the implementation of HTTP request / reply services at Meteo France	P. Simon L. Marty	DMG34	
	DMG33			
DMG33-4-1	Proposal to the Rapporteur of the SIGMET ad-hoc group, with regard to provisions of EUR Doc 014 on reporting order of polygon nodes	W. Demol (C. Keohan)	METG31	
DMG33-4-2	Inform B.L. Choy that the examples for IWXXM SIGMETs provided on the WMO website are wrong (use clockwise order).	P. Simon	METG31	
DMG33-5-1	Investigate whether missing data from their AoR is still missing and take the necessary actions.	ROC Moscow ROC Toulouse ROC Vienna	DMG34	Based on the missing data listed in Att to DMG33 WP09.
DMG33-5-2	Check the routing of FK / WC bulletins indicated as not received by the States in their AoR	ROCs	end June 2021	Bi-lateral tests with the corresponding NOCs may be performed. The results will be sent to MP
DMG33-5-3	WP for METG31 on TC Advisories and Warnings	M. Pichler (C. Keohan)	mid July	WP06 to METG31

DMG-33-5-4	Work on establishing the principles and format for deriving the Catalogue	H. Swinnen M. Wagner (P. Simon)	DMG34	First draft. Intention to have it ready at DMG35.
DMG33-7-1	Provide headers that will be transmitted to ROC Moscow	ROC London ROC Toulouse	July 2021	
DMG33-8-1	Provide feed-back on Doc 018 updates	DMG members	end June	Consolidated version will be transmitted to C. Keohan