

## DMG32 Notes

25.03.2021

Due to the current situation with the COVID-19 outbreak, the DMG32 was held virtually from 22 to 25th March 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 Monday 22nd March 10:00. The following agenda was presented for adoption:

### 1. Approval of the Agenda

WP01 – Agenda (Chair)

### 2. Approval of the DMG 31 report & Actions from previous meetings

Draft Report DMG31 & DMG31 actions list

Status of the actions resulting from DMG/31 (DMG Sec)

### 3. Information from other groups

#### ICAO

#### EUR:

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

WP03 C. Keohan Progress on METG30 Outcomes

Presentation (C KEOHAN) EASPG outcome that includes status of EUR eANP update on TC SIGMET

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

#### Global Groups

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

IP01 (P. SIMON) Input form MIE & WMO

WMO, TT AvData

IP01 (P. SIMON) Input form MIE & WMO

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)

WP08 M. Pichler Status of IWXXM implementation in the EUR region

IP03 Matt - AMHS network issues and IWXXM inter-regional exchange

Preparation of the MID IWXXM workshop; 26-27 May 2021; 0800-1200 UTC

IWXXM I/R coordination

- testing AMHS

Status of translation center agreements for IWXXM

DOC 014 (EUR AIRMET and SIGMET Guide)

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

Addition of TC SIGMET, SWXA in 2021 monitoring

WP06 M. Pichler EUR TC Sigmet Monitoring

PHP: IWXXM errors categories in PHP

Routing problems

Missing data

WP/12 H. Swinnen results from February Monitoring

WP04 M. Pichler results from EUR Warning Monitoring

WP05 M. Pichler results from APAC Sigmet Monitoring

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

WP07 M. Pichler IWXXM monitoring specification

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

**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 + attachments A&B C. Keohan

WP13 - ICAO\_OPMET\_Performance\_V07\_(DMG29 WP16) Herman

IWXXM State status [\(see WP08 in agenda 4\)](#)

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. Creation of a 4th ROC**

Finalize the Work Package (transition plan) for the creation of a ROC in Moscow and fulfil the defined actions;

Set up Work Packages for the States to be part of the Area of Responsibility of a ROC Moscow, based on their replies to the ICAO letter.

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.

WP09 (M.Pichler): Final steps to implement ROC Moscow

**8. RODEX**

ROC Back-up procedures/ contingency arrangements

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

Coordination with other regions

RODC

WP10 M. Mezred RODC status

**9. EUR Documents**

DOC 014 SIGMET & AIRMET dissemination & format

DOC 018 Handbook (outside IWXXM under Agenda 5)

Status/further update of EUR Doc18.

WP11 M. Pichler DMG Website

**10. 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

IP02 W. Demol SWIM services for EUR RODBs

- coordination with other regions
- EUR procedures & DOC018

**11. Next meetings**

DMG 33: June 2021 (virtual)

DMG 34: October 2021 (virtual or )

DMG 35: March 2022 (virtual or )

**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
DMG30-2-4	Coordination on provision of SIGMET/AIRMET in IWXXM	Russian Federation	DMG32	
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
DMG30-3-1	Check what monitoring centres do not monitor WC	H. Swinnen		
DMG30-3-2	Update the monitoring tools for WC	All monitoring centres	Feb 2021	
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		Target date: DMG33
DMG30-3-4	Verify the headers of FK that TCAC Miami and Tokyo use and provide to M. W.	P. Simon	to be confirmed	
DMG30-3-5	Check with Washington and Singapore that the appropriate routing is in place for the TC advisories issued by TCACs Miami and Tokyo	M. Wagner	tbc	
DMG30-3-6	Prepare WP on FK and WC headers announced via the METNO procedure	H. Swinnen		Will be discussed in WP06
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

DMG30-4-1	Prepare coordinated WP on OPMET Catalogue production	H. Swinnen M. Wagner		A WP will be presented at next MOG meeting
DMG30-6-3	Provide info on SWx Centre creation	Russian Federation	METG30	
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 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	
DMG30-11-3	Check IWXXM monitoring section of Doc 018 and transmit objections / proposals to MP who will present a WP on updates necessary to EUR OPMET Handbook	DMG members	DMG32	
DMG30-11-4	Provide listing of States using multiple AAs in the bulletin headers, in order to be updated in the distribution determination tables	H. Swinnen	Feb 2021	List available in WP12
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	Nov. 2020	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.
DMG30-8-1	Check that the addresses listed in para 2.3 of DMG30-WP11 are implemented	ROCs	DMG31	Will be discussed with WP09
DMG30-8-2	Contact Turkmenistan in order to obtain an answer on what ROC area of responsibilities was chosen	C. Keohan	DMG31	No answer received so far.
DMG30-12-1	Update Doc 18 to remove NEWTIM/DELTIM	M. Pichler	METG30	Will be addressed under DMG31-9-1.
	<b>DMG31</b>			
DMG31-5-1	Prepare the wording to justify to States the need to test in advance in order to ensure proper routing of TCA and WC become operational (ensure to be in accordance with ICAO policy).	C. Keohan P. Simon	March 2021	
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	
DMG31-6-2	Ad-hoc group to work in order to identify what will be useful to check / monitor related to IWXXM.	M. Pichler H. Swinnen Wim Demol	DMG32	WP07 available

		M. Wagner		
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	ICAO State Letter issued Oct 2 <sup>nd</sup> . Discussion in WP08
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 ROCs	METG31	
DMG31-4-3	Inform DMG on the updates needed to Doc 033, as resulting from WG-MIE discussions	P. Simon M. Wagner	DMG32	MIE conclusions not endorsed yet. New target date: DMG33
DMG31-6-3	Provide details per aerodrome for Sweden and investigate on the poor results recorded	H. Swinnen M. Wagner	DMG32	
DMG31-7-1	Prepare the details of the transition - a WP to present to DMG the current status and the necessary actions and dates	M. Pichler Russian Federation	DMG32	Discussed with WP09
DMG31-7-2	Establish AMHS address for ROC Moscow	Russian Federation	DMG32	
DMG31-8-1	Live presentation of RODC implementation	M. Mezred	DMG32	
DMG31-9-1	Present current situation with updates to Doc018	M. Pichler	DMG32	New target date: DMG33
DMG31-10-1	Subgroup on implementing SWIM services at RODBs	RODBs		Discussed with IP02



### **Agenda Item 3. Information from other groups**

C. Keohan presented to the group the Progress on METG/30 outcomes, with highlights on the EASPG Conclusions related to DMG activities:

- WAFS hazard data - implementation date March 2021
- WAFS upgrades (Nov. 2023)
- EUR Doc 014, 018 published on ICAO website Feb. 2021
- State Letter regarding extension of translation service to 5 Nov 2021
- Harmonization of ICAO Annex 3 provision related to TAF quality criteria & criteria for inclusion of change groups - presented to ANC in March 2021
- Update Doc 8896 with respect to accuracy of met forecasts - ANC March 2021
- Update EUR ANP with respect to inclusion of ROC Moscow, distribution of TCA, WC, VAA in EUR
- degrees magnetic vs true - such conclusion is too technical and should go directly to MET Panel in future
- DMG ToR updates

C. Keohan : *Volcanic Ash exercises.*

Volcex-20 was postponed to 16 November 2021. State Letter for Volcex 21 was distributed.

Volcam – usually in April. Due to current situation there is a lack of man-power. Some sub-tasks are coordinated with American Airline pilots.

PT/EAST - Missed last year.

*IP01 Input from WG/MIE and WMO*

P. Simon informed that the report of that meeting is not yet finalised and he presented some elements of interest to DMG. New policy on IWXXM versioning (year + fast track number, 2/yr) should be published in IWXXM Guidelines (before the next MIE meeting next year). The term GML will be removed from the text of Doc. 10033 and Annex3/PANS met. There was mentioned a forthcoming requirement for IWXXM schema for VONA (for quantitative VA data) and information on quantitative ash.

For RODBs – reply with original message (no matter what schema version that is, no conversion).

Action DMG32-3-1 P. Simon (with support from M. Wagner) will try to provide a WP to DMG33 regarding updates needed to Doc 10033.

Request from IATA to delay TAC cessation from the previous agreed date which was 2026 - 2027 to 2029 most likely. MET-SWIM Roadmap would be updated to state the removal of TAC as a Standard from ICAO Annex 3 within Block 2 timeframe instead of a definitive date.

Amd 81 to ICAO Annex 3 – is likely to introduce changes for IWXXM: no limit for the number of RVR groups reported in METARs, increase the number of points for SIGMETs. Thus will be introducing differences between IWXXM and TAC. There was also mentioned that degrading TAC from a standard to a recommendation in Amd 82 is no more envisaged, as it could allow some States to not provide TAC.

C. Keohan informed that a GRF workshop will be on 18-20 May 2021 (zoom platform, en-rus avbl). States not in the position to use GRF after 4 Nov. 2021 will need to file a difference. A hybrid situation will be in place probably for a limited period.

*IP04 EASA Activities related to EU MET Regulation (WD)*

Concerning EASA Opinion to use the accelerated procedure (which is only possible for non-controversial changes), in order to ensure synchronisation of CIR (EU) 2017/373 with ICAO Annex 3 amendments 78 and 79, the Opinion 1 published in Feb. 2021 differs from the original draft Opinion (May 2020) and it is questionable whether the introduced changes are of non-controversial nature. Experts from the MET Focused Consultation group and MET Alliance signalled the issue via the national EASA Committee representatives and decisions are expected in June 2021.

Implementation date for GRF is 12 Aug. 2021 in Europe, 4 Nov. for everyone (ICAO Annex 3). States are encouraged to inform ICAO on the earlier implementation of GRF. ICAO will provide an on-line world map where current status of implementation will be available.

Ag. Item 3 Closed

**Agenda Item 4. IWXXM Action Plan**

*WP08 IWXXM Action Plan (MP)*

Extension of translation service will be discussed each year during METG meetings.

No information regarding implementation received yet from Cyprus. No IWXXM data received from 4 out of 52 States (Cyprus, Morocco, Italy, Greenland). Patrick will check for Morocco (checked during the meeting, the routing was not in place but the data produced, this action is solved), Matt for Greenland. Possible AMHS link implementation in Q3 2021 will permit exchange of IWXXM with the MID Region.

MP update on Cyprus: AMHS capable, NOC can provide IWXXM, missing link between NOC and AMHS.

Herman noted that no METNO was issued for Germany. He mentioned that he will provide a listing of other states not having provided METNO messages for the IWXXM data.

*IP03 AMHS network issues and IWXXM inter-regional exchange (MW)*

No current IWXXM exchange takes place between EUR and other Regions. M. Wagner informed about re-routing applied during last year at IROG London (COM-Centre) and noted that current re-routing of AMHS can cause significant extra loading on connections, as same few circuits are used. Even more loading when accepting re-routes for other regions than the ones London was designated for as gateway. There was noted that significant work needs to be done to the ICAO communication network, regarding the implementing of AMHS routes and also procedures for re-routing and diversions.

A similar paper will be presented to the next AST TF (OG) meeting with a draft conclusion. From there, a revised working paper should request to ICAO to address through the appropriate global group the highlighted problems. That needs to be presented to PCG (June 2021), with the intention to bring it into the attention of a higher ICAO level - EASPG (1<sup>st</sup> week Dec. 2021). It will be possible by the end of the year to be addressed to the EASPG.

P. Simon pointed that support for inter-regional coordination on AMHS implementation should be provided by ICAO Montreal.

Patrick in coordination with Chris will try to contact the AFI region to obtain information on the current plans to implement IWXXM exchange between EUR and AFI.

Action DMG32-4-1: P. Simon and C.Keohan will contact ICAO Offices Dakar and Nairobi in order to obtain information on the status of implementation of IWXXM in the AFI region and plans for exchanging data with EUR.

#### *Preparation of the MID IWXXM workshop*

C. Keohan informed the meeting about the MID IWXXM workshop, scheduled for 26-27 May 2021 and presented the intended agenda. Papers from PS, MP, WD.

The papers that are to be presented are well established and will be updated to the latest information available. The papers should be ready and submitted before 15 May.

#### *TAC - IWXXM inconsistencies (METNO)*

H. Swinnen presented to the group some aspects related to the IWXXM and TAC METNO compliance, as captured in a table of WP12. For example, Algeria - in TAC are monitored more stations than registered. These extra stations have not been declared also as IWXXM. PS will investigate.

Action DMG32-4-2: The 4 ROCs to 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 (latest before DMG33).

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

#### *WPO6 EUR TC Sigmet Monitoring (MP)*

M. Pichler informed on the announcement of the corresponding headers. For monitoring on 29<sup>th</sup> April, he will use the same list of contacts. Invitation should be sent on 15<sup>th</sup> Apr, METNO on 22<sup>nd</sup> Apr.

Patrick informed that DSN is not in capacity to decode SIGMET with a numbering using letter + sequence number and the probability to decode WC is very probably the same, which will prevent the French MWO from issuing operational WC in the near future (tbc).

Matt and Patrick confirmed the headers that will be used by the by UK and French MWOs. Coordination with other MWOs to confirm their headers should be pursued as well (Ireland, Portugal).

Action DMG32-5-1: Chris will assist MP with updating the text of the invitation (early warning). It will be distributed to the warning focal points and to METG contacts (if not already in first list).

Action DMG32-5-2: The IROGs: to contact their corresponding IROGs to inform about the EUR TC Sigmet test.

Michael raised the question of which headers are to be used by TCAC Miami and Tokyo for the advisory messages for Europe. The current registered headers were presented. Matt confirmed the FKNT21-25. There was noted that there were no METNO registered headers for Tokyo advisories. All headers need to be verified - the TCACs Miami and Tokyo will be contacted regarding the FK-headers we have to expect. A METNO message will be issued to inform all MWOs (some headers from TCAC Miami are already registered).

There was also mentioned that it would be beneficial if the 2 TCACs were invited to participate to the EUR TC SIGMET test (end of April).

Action DMG32-5-3: C. Keohan to coordinate with the two TCACs to obtain confirmation on the advisory messages headers and invite to participate to EUR monitoring test in April.

#### *WP05 APAC SIGMET Monitoring*

Action DMG32-5-4: The 3 ROCs to investigate the routing for the APAC messages (FK, WC, FV, WV, WS), as per the results provided in 2.2 of WP05. Target date: end of April, report to DMG33.

W. Demol mentioned that the duplicate check at RODB Brussels discards a message only if the content of the message is the same. So the problem with WVVS31 VVGL (same header is used for both FIRs) could rather reside on the monitoring tool. H. Swinnen will update for RODB Bruxelles on WVVS31 VVGL (monitoring issue).

#### *WP04 - EUR DMG Warning-Monitoring*

M. Pichler presented the results of the EUR DMG warning monitoring of Feb. 2021. This time, SWXA were sent by all SWACs And the results were made available on the DMG website. An example on analysing the results by the ROCs was presented to the group.

Action DMG32-5-5: Each ROC to verify the warning monitoring results for its own AoR and investigate the routing problems. Target date: mid May.

Action DMG32-5-6: M. Pichler will adapt the warning monitoring reporting tool in order not to show "normal" AIREPs.

M. Pichler mentioned that States were constantly invited to revise the list of requested SIGMETs.

Action DMG32-5-7: Michael will also check the correctness of warning headers and METNO compliance (e.g. Turkey) in his database and, if necessary, will ensure the headers are communicated via METNO.

Herman's Feb 2021 monitoring results for non-routine bulletins can be an additional help to identify routing issues.

Action DMG32-5-8: C. Keohan will update the list of SIGMET & AIRMET headers on the ICAO website.

#### *WP12 – OPMET Monitoring Results Feb 2021 (HS)*

For the Feb 2021 OPMET monitoring exercise, Moscow ROC participated for the 2nd time. SADIS EBBR and the RODBs did not participate with separate results. H. Swinnen presented to the group the different work-packages he derived from the monitoring results. Those were meant to provide help in identifying missing data and potential routing problems. M. Wagner appreciated the valuable support offered by these work-packages, as he used them regularly, especially for coordination with US. The group also appreciated the large volume of useful information presented and required guidance on using the work-packages for real use-cases. H. Swinnen offered to present a WP on this subject to the next DMG meeting, with information from a previous paper.

Action DMG32-5-9: H. Swinnen will present to DMG33 a WP on guidance and possible use cases for the work-packages derived from monitoring results.

While discussing the individual work-packages, the following issues were noted:

- SPECI messages not monitored: in EUR region SPECI messages are not to be produced where 1/2 hourly METAR are produced (AOP AS or RS) but should be distributed in all cases, if produced
- LFVP FC (distributed by ROC Toulouse): most probably a long TAF circulated with FC header. Patrick will investigate.
- FTIN90 – 90s series are filtered from AFS monitoring. That may explain why present on SADIS but not on AFS
- Non-7910 location indicators: some Swiss airports still not registered in 7910. Other indicators may belong to military airports or data exchanged on bilateral agreement (40s series).
- Comparison SADIS-WIFS: work needed.

Action DMG 32-5-10: P. Simon and M. Wagner will work together on identifying problems with data available on WIFS but not on SADIS.

Action DMG32-5-11: H. Swinnen will coordinate with M. Wagner on identifying additional problems from monitoring results and provide information before end of May by email to ROC Vienna and Toulouse, which will investigate and issue the corresponding PHP tickets, as necessary.

There was agreed that in order to have the work-packages ready for the spring DMG meeting, the monitoring centres should send their results no later than 10-14 days after the end of the monitoring period (resulting generally of the monitoring results to be sent by all ROCs by the end of Feb).

#### *SIGMET Polygon*

Wim signaled an inconsistency in the regulations related to the order of points defining a polygon for SIGMET representation (GML - counter-clockwise, while ICAO clockwise). That resides not only in Doc 014, but also in global documents (Annex 3, WMO website, etc). It was mentioned that it was already discussed in MIE. Patrick and Matt will investigate whether it could bring that to the attention of MOG, with the intention to propose an amendment to Annex 3 and/or other ICAO guidance documents if necessary.

#### *Regarding dissemination of VAA:*

It was noted that the VAA are distributed not only to the NOCs but also to ACC/FIC, which results in an extensive list of AFTN and/or AMHS addresses and sometimes imply duplicate distribution. There was agreed to initiate an action involving the two European VAACs and the ROCs in order to propose a new distribution policy (at least at EUR level).

Action DMG32-5-12: Patrick, with support from the other 3 ROCs, will prepare a WP for DMG33 related to revision of the VAA distribution policy (with intention to present to METG/31 if mature enough).

#### *WP07 IWXXM Monitoring Tool (MP)*

For TAC: Michael presented to the group a proposal regarding what fields are to be kept or removed. Herman mentioned that he would not support changes to the current reporting format, as it will also imply changes to the monitoring tool. The solution would be that elements not monitored by a centre be still included but as a blank field.

Action DMG32-5-13: M. Pichler and H. Swinen will prepare a WP for DMG33 regarding what is mandatory / optional to monitor and how the Doc 018 needs to be updated.

For IWXXM: Michael presented a proposal regarding mapping of the monitored elements to the IWXXM schema (fields of IWXXM where the elements could be extracted from). The same principle was agreed - elements that can not be extracted/monitored be included as blank.

A new field would be useful for indicating if the message has extensions (y/n). "Additional Info" field replaces old "Destination Address" field.

H. Swinnen appreciated the participation of Russian Federation for the second time to the monitoring exercise in Feb 2021. A small remark regarding the monitoring results: the files were very large, all monitored days in one file. It needs splitting-up by day for the next exercises.

Data is difficult to be extracted from AMHS envelope (PS, HS), for instance Filing Time. This will be addressed in the paper presented at DMG33.

Offline statistics: an agreement was reached by the group that, due to the current financial situation linked to the COVID pandemic, the developments related to the offline statistics should be put on hold, as currently there are other priorities to be resolved.

Regarding recording of coding errors, it will be part of a WP in which Wim will contribute. The paper will also try to propose suggestions for PHP addressing of these errors.

#### *WPO2 - EUR ANP VOL III - B0 & B1 - AMET (CK)*

C. Keohan presented to DMG for review an update to Volume III (tabular form). Issues related to METAR availability (84%), METAR and TAF timeliness (<90%). As for IWXXM, there are some better results than previous years but that is mainly based on translations by the ROC. States need to be encouraged to produce IWXXM by themselves.

Action DMG32-5-14: C. Keohan and H. Swinnen will update the tables in Vol. III with data resulting from Feb 2021 monitoring.

Action DMG32-5-15: P. Simon will provide a SIGMET monitoring for Jan-May 2021 and also a SPECIAL AIREP monitoring. A WP will be presented on behalf of France (in coordination with the Civil Aviation) to DMG33 to inform on an implementation plan to improve the SPECIAL AIREP dissemination from France.

Action DMG32-5-16: M. Wagner to derive the PHP tickets from monitoring results and ROCs to work on solving those.

### **Agenda Item 6. Performance indices & Volume III – MET OPMET implementation**

#### *WP13 ICAO OPMET Performance Indices (HS)*

H. Swinnen presented the steps for generating the METAR and TAF availability and timeliness performance indices, and the resulting values corresponding to the Feb 2021 monitoring exercise.

The group asked whether it would be possible to obtain the details / errors per state. HS mentioned that it will not be possible for all states, but that it is still possible by request for individual States, like it had already been provided before for particular cases (Hungary, Turkey, etc). List of all faulty performance is already available.

The group appreciated the work and considered that the provided tables offer good support for the ROCs (also for NOCs) to investigate possible problems related to availability or timeliness of OPMET data.

Action DMG32-6-1: The 4 ROCs to investigate the tables and inform States that do not perform well (before DMG 33).

Herman signalled that there are ANP of other regions that contain some location indicators not registered in 7910. Also, the updates to their ANP is not regularly available.

Action DMG32-6-2: H. Swinnen will provide information regarding location indicators not in 7910 from other regions. C. Keohan will contact the corresponding ICAO Offices to take action on the subject.

### **Agenda Item 7. Creation of a 4th ROC**

There is not yet an official confirmation about Turkmenistan about which ROC AoR they chose. As it had been previously mentioned at METG, if no official answer was received then the State remains under the AoR of same ROC. It will be preferable to have an official answer before DMG33 in June 2021.

Regarding suggested steps - each ROC will check and provide comments.

Michael will provide an updated list of the addresses used for TAC and IWXXM data exchange by the 4 ROCs (taking into account suggestions /discussions expressed during the meeting). The ROCs will try to establish the final addresses to be used (taking into account any constraints related to the usage of the letters in the addresses), with the intention to implement those addresses during first half of May (to be confirmed, based on availability).

Action DMG32-7-1: The 4 ROCs will coordinate by email on the addresses to be used for OPMET data exchange.

Action DMG32-7-2: M. Wagner will provide to Russian Federation a list of headers that ROC London will use to distribute data to ROC Moscow.

### **Agenda Item 9. EUR Documents**

#### *WP11 DMG Website*

M. Pichler presented to the group the updates and restructuring of the website. The OPMET catalogue was updated. The database will include also the 4<sup>th</sup> ROC.

Action DMG32-9-1: H. Swinnen will provide the latest version of the database (corresponding to 25 March AIRAC date).

Actions required from the group:

- To review the information on the pages dedicated to IWXXM All members
- Provide updates on the IWXXM/AMHS-implementation status ROCs
- To provide updated information in regard to Distribution Determination ROCS

The group agreed that the following features are not used and will not be used in future and therefore may be removed:

- Google-Drive

- Contact Form
- Visitor Counter

The “Newsletter” for METNO-messages will be kept on the list of possible future improvements, but for the time being there are no dedicated actions planned.

#### **Agenda Item 10 SWIM**

C. Keohan provided a short update related to the activities of SWIM-PT. A plenary session will be in May 2021.

##### *IP02 RODB SWIM Services (WD)*

Wim informed on the SWIM implementation status at Skeyes, Météo-France and Austro Control, as presented at the 3 RODBs meeting in January.

The three RODB agents agreed that it would be beneficial to implement a set of common, enhanced OPMET SWIM services, but that a clear rationale would be needed to justify the needed resources.

With regards to the standards used for the Yellow Profile, it was asked whether the HTTP request/reply services are based on the SOAP protocol. Information will be provided by France to the next DMG.

Action DMG32-10-1: P. Simon (with support from L. Marty) will present an IP to DMG33 on the implementation of HTTP request / reply services at Météo France.

#### **Agenda Item 8 RODEX**

##### *WP10 RODC Status (MM)*

Mohamed presented to the group the functionalities of the RODC application implemented so far.

Searches can be performed by different criteria (by region, location indicator, country, etc) and the corresponding information is obtained (included the associated headers of the bulletins).

It was noted that the website was not reachable by external users. That needs to be checked and fixed by the IT specialists.

A small task-force (PS, MP, HS and MW) will perform a trial of the functionalities offered and come back with conclusions to the next DMG meeting.

Action DMG32-8-1: Trial of the functionalities of RODC application and report to DMG33.

The group greatly appreciated the work and the progress with the application.

#### **Next meetings:**

DMG 33: 15-17 June 2021 (virtual, 2 hours sessions)

DMG 34: 18-21 October 2021 (virtual)

DMG 35: March 2022 (virtual or f2f)

#### **AOB**

The possible renaming of DMG to EUR/MIE or another name was mentioned – as the activities of the group go beyond data management only. It was noted that it might imply significant changes to existing documentation. It will be discussed next DMG to announce the intention to METG/31.



Michael informed on a question coming from Czech Republic – whether it is possible to have more than one NOC for a State. The impact to DMG would be that different compilations (bulletins with same header) are distributed in parallel by NMS (official NOC until now) via GTS and respectively ANSP via AMHS. The group agreed that a single NOC would be possible per State and the designation is an internal decision of the State. M. Pichler will try to insert provisions in that respect in EUR Doc 018.

A second question was raised regarding the usage of headers for SPECI messages. There was agreed that guidance in Doc 018 needs to be improved on using same headers as for the METAR bulletins.

### DMG32 LIST OF ACTIONS

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 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	Nov. 2020	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.
	<b>DMG31</b>			
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	ICAO State Letter issued Oct 2 <sup>nd</sup> . Discussion in WP08
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 ROCs	METG31	

DMG31-4-3	Inform DMG on the updates needed to Doc 033, as resulting from WG-MIE discussions	P. Simon M. Wagner	DMG32	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
	<b>DMG32</b>			
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 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 H. Swinnen (W. Demol)	DMG33	
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	