DMG/29 – contingency

In order to progress with the tasks of the DMG the following was proposed by the DMG Chair and Secretariat:

DMG/29 replaced with a series of WebEx's in 10-11 March as well as correspondence via email and/or smaller WebEx's, conference calls, Skype.

> A.I. 2&3 – via correspondence (DMG28 report & actions; information from ICAO/WMO groups)
>
> **A.I. 4 – WebEx (SIGMET on tropical cyclone)**
>
> **A.I. 5 – WebEx (IWXXM action plan)**
>
> A.I. 6 – via correspondence (OPMET Data Monitoring results, action plans & PHP) <Michael – lead, Matt, Herman>
>
> A.I. 7 – via correspondence (performance indices & Volume III – MET OPMET implementation) <Chris – lead, Herman>
>
> **A.I. 8 – WebEx (Creation of a 4th ROC Moscow)** <Patrick – lead, Michael, Sergei and team>
>
> **A.I. 9 – WebEx (RODEX)**
>
> A.I 10&11 – via correspondence (EUR Documents, SWIM)

10 March 2020

- WebEx-1 Agenda Item 5 – IWXXM action plan from 0930-1130
- WebEx-2 Agenda Item 5 – IWXXM action plan from 1400-1600

11 March 2020

- WebEx-3 Agenda Items 4 (SIGMET on Tropical Cyclone) & 8 (Creation of a 4th ROC) & 9 (RODEX) 0930-1130
- WebEx-4 other business if needed 1400-1600

DMG /29 - WebExs-1 10-11 Mar 2020

IP/01: *AFI IWXXM Implementation Workshops*

Proposed AFI IWXXM Implementation Workshops in both Nairobi and Dakar postponed due to CONVID-19 outbreak. The range of days for the postponed workshops is from 24 Aug – 2 Sep 2020. The EUR DMG was invited to support this workshop and *Michael Pichler* agreed to *consider* supporting these

events provided funding by the host was available. The presentations provided in the previous EUR IWXXM Implementation Workshops would be a baseline of support and more clarity of needs by AFI should be provided (*Patrick Simon* will check with AFI). WMO should also be invited to support these workshops (*Patrick Simon* will check with WMO).

WP/08: *IWXXM Availability and Translation*

Translation agreements will be renewed on an annual basis post 5 November 2020 when IWXXM exchange for some OPMET data becomes a requirement. These agreements will continue to at least November 2021 depending on the demand of translation services. States will be encouraged to provide their own IWXXM data in that the DMG will provide a snap shot of implementation at each METG. NOC Moscow was asked whether they were willing to continue providing translation services until ROC Moscow was officially implemented and then the official agreement could be signed. This was confimed by NOC Moscow.

IP/02: *ROC London – IWXXM implementation*

ROC London is implementing IWXXM beginning this month. *Matt Wagner and Patrick Simon* will agree on a date in due time as to when the IWXXM translation services under the AoR of ROC London will transfer from ROC Toulouse to ROC London. *Each ROC* will inquire with the States under their AoR whether or not they will still need translation services after 5 November 2020. The baseline of implementation will be based on February 2020 monitoring results.

WP/09: *EUR Doc 014 update*

Clarification on the distribution of SIGMET and AIRMET was proposed and agreed upon. *Wim Demol* will also provide a reference to EUR Doc 018 RODEX scheme. *Chris Keohan* will communicate with the SIGMET ad-hoc group on these proposed changes for a consolidated update for METG/30 consideration.

WP/12: *IWXXM extension procedure*

The group noted that the proposed global directory for IWXXM extensions (that include candidates such as Norway and Portugal) and the level of information should be maintained by WG-MIE noting that ICAO would need to coordinate with WMO in case certain extensions should be part of the main schema. There was no conclusion on how this information should be communicated (e.g. METNO) and where this information should reside. These outstanding issues will be considered and reported to DMG/30. It was also noted that the airline operators would benefit on knowing national extensions, their content and possible use that could assist in their operations.

Additional data as of today provided via MET-Report are not very likely to be realized via extensions but more realistically via SWIM-services.

WP/04: *Proposals for new iteration of EUR Doc 018*

Investigate the need by WAFC London (via *Matt Wagner*) of including routine air-reports received by datalink in the RODEX scheme distribution (as is done with special air-reports). If not needed, the associated paragraph could be removed. *Wim Demol* will investigate this distribution in ICAO Doc 4444 (PANS-ATM).

The group agreed that all metadata is useful in generating IWXXM monitoring statistics.

The group agreed to maintain the two possible formats: .txt and .csv, with preference for .txt because of the universal character set of .txt text files. Field separator can be any character like: comma, semi-colon, colon, …as long as it is applied consistently and cannot be confused with possible occurrences in the field text.

The group agreed that the validation centre was not a monitoring element.

The group agreed to reduce the size of monitoring tables by eliminating unnecessary elements (e.g. AFTN addresses). Also, a cross check between ICAO Doc 018 and ICAO Doc 033 relating to the monitoring of data will be done by *Michael Pichler* in order to avoid duplication of work.

The group agreed it was not necessary to prescribe the monitoring tool display.

The group agreed to capture the authorization time (extended AMHS required for IWXXM) that can be used with the reception time to deduce the transition time.

WP/03: *Distribution of tropical cyclone information - EUR*

Matt Wagner will verify if TCAs from TCACs Miami and Tokyo are received at IROG London through IROG Washington and IROG Singapore, respectively. *Michael Pichler* will determine if any changes need to be made to EUR Doc 018 related to the new requirements of issuing WC SIGMET for some MWOs in the ICAO EUR Region. Verification that WC SIGMET is received at the ROCs will have to wait until after WC SIGMET becomes a requirement (next year). *Chris Keohan* will align paragraph 2.4 (recipients of WC SIGMET) to paragraph 2.3 (recipients of TCAs) in WP/03.

WP/15: *IWXXM offline statistics*

The group agreed to identify statistics that would be considered optional. *Michael Pichler* will coordinate with their software provider to identify those statistics that would require significant resources for little benefit (e.g. daily reports of VAA/TCA data volume per location indicator - monthly should suffice; monitoring messages with and without extensions). These statistics would be considered as optional and will be reported to DMG/30. Identifying these statistics will be assisted by *Herman Swinnen*. Statistics involving validating what is inside the message (e.g. requirement to provide RVR) should be in a separate file. In addition, *Patrick Simon* will investigate if there is a standard error code list (e.g. error code 1 represents a specific error). Though progress on the above was desired, these tasks were not considered urgent.

IP/03: *ROC Moscow*

The group noted that NOC Moscow participated for the first time to the DMG February OPMET Data Monitoring Exercise. *Russian Federation* to send complete contact list to *Herman Swinnen* of those interested in obtaining the DMG FP evaluation (IP/06) of the NOC Moscow OPMET monitoring tool compliance with EUR Doc 018, Appendix D specifications based on the UUUJ results from the February 2020 OPMET data monitoring.

IP/06: *EUR OPMET Monitoring Tools - Evaluation*

Herman Swinnen confirmed the participation of NOC Moscow to the February 2020 DMG OPMET Data Monitoring Exercise. The DMG FP reports on the compliance of the NOC Moscow monitoring tool results with Doc 018, Appendix D specifications.

WP/07: *ROC Moscow Work Packages*

Michael Pichler to coordinate IWXXM message exchange tests with ROC Toulouse and NOC Moscow as well as ROC London and NOC Moscow.

The group agreed that NOC Moscow has achieved implementation procedures for staff regarding the correction of format errors. The group noted that the DMG could tour ROC Moscow in a future DMG meeting held in Moscow.

Russian Federation will provide the agreement from Kazakhstan on accepting to be under the area of responsibility of ROC Moscow.

Michael Pichler in coordination with NOC Moscow will update and refine the working packages for States accepting to be under the area of responsibility of ROC Moscow.

The group noted that the three ROCs and RODB Brussels will be IWXXM schema version 3.0.0 compliant by November 2020 (some expected earlier). *NOC Moscow* will provide their intentions in this regard.

Chris Keohan will provide a WP for DMG/30 on the proposed change to the EUR ANP that will include ROC Moscow in the list of ROCs in the EUR Region.

Michael Pichler will provide a WP for DMG/30 on the proposed change to EUR Doc 018 that will include changes involving implementation of ROC Moscow (e.g. backup procedures).

Both papers will be presented to METG/30 in September 2020 for EASPG consideration in December 2020. The subsequent EUR ANP amendment proposal would then be processed and expected to be approved in approximately February 2021, at which time, NOC Moscow officially becomes ROC Moscow.

NOC Moscow is expected to provide warnings (e.g. SIGMET) in IWXXM format in June 2020.

WP/13 – *Harmonized METNO procedures in support to WG-MIE*

Herman Swinnen and Patrick Simon in coordination with Tim Halles will adapt WP/15 of DMG/28 for consideration at DMG/30 in order to agree on harmonized METNO procedures. Since DMG/30 and the

equivalent APAC meeting will occur during the same week, the group agreed that a WebEx should be conducted together for up to one hour.

RODC

ROCs were asked to provide their routing tables to Mohamed Mezred. Michael Pichler asked for a consolidated list of headers that should be used. This could be based on the DMG monitoring results. Patrick Simon offered to create such a list.

SWIM

Patrick Simon presented the MET-SWIM timeline and the MET SWIM Roles as well as ASBU's B1-3 in diagram form.

Based on the above, the group noted that the NOCs, ROCs, RODBs and IROGs have a function in the SWIM roadmap through 2030. ASBU-B3 beginning in 2031 did not contain these centres in this context; however, it was considered premature to consider these centres obsolete after 2030.

The group noted that a DMG sub-meeting for the 3 EUR RODBs is foreseen to see how to introduce SWIM services for the EUR RODBs. *Wim Demol*, as DMG RODB focal point, will manage to organize such a meeting, possibly later this year.

The group noted that XML/GML and WFS (Web Feature Service) could change to JSON and REST (Representational State Transfer) services.

PHP

Michael Pichler, Matt Wagner and Herman Swinnen will coordinate on OPMET Data monitoring results, actions plans and updating PHP once the new results are provided by *Herman Swinnen*.

Special air-reports

Patrick Simon will provide *Chris Keohan* results of special air-report reception at ROC Toulouse for the period from December 2019 to April 2020. *Chris Keohan* will use this information to provide a WP on EUR special air-report reception at ROC Toulouse to DMG/30.

Chris Keohan will verify if EUR Doc 014 made clarification that in the ICAO EUR Region, though not a requirement, encouraged to disseminate all special air-reports (even if an associated SIGMET is issued) via the EUR RODEX scheme in support to airline operators' safety risk assessment approach.

Performance Indices

Matt Wagner will provide a WP to DMG/30 on implementing the appropriate tools to present indices about timeliness and availability to assist MET Service providers in the EUR Region.

IP/05 – *AFS_TAC_OPMET_Data_Volumes_022020_Annex*

Herman Swinnen submitted an update of the AFS TAC OPMET Data volumes covering the 01-14 February 2020 DMG OPMET Data Monitoring Exercise period. The intention is to produce parallel IWXXM statistics from EBBB COM Centre log retrievals.

DMG Participation

Norway will consider participation to future DMG meetings and could take on the role of managing EUR Doc 018 (to be discussed at DMG/30).

DMG/32 meeting venue

The spring 2021 DMG meeting (DMG/32) may be hosted by Austro Control in Vienna, Austria.