**ATTACHMENT 2A**

**IWXXM IMPLEMENTATION SURVEY QUESTIONNAIRE**

**ICAO AFI Region**

The OPMET data exchange in ICAO IWXXM format was introduced by Amendment 76 to ICAO Annex 3, made mandatory by Amendment 78 to ICAO Annex 3 and became applicable from November 2020 through Amendment 79.

The exchange of OPMET data in IWXXM format is based on the ATS Message Handling System also known as Aeronautical Meteorological Handling System (AMHS) Extended Service with FTBP (File Transfer Body Part) functionality for the transport of attached files.

The objective of this survey is to assess the level of implementation of the IWXXM model by States and to identify appropriate actions that need to be taken to assist States in accelerating the implementation of the ICAO model for meteorological data exchange in digital format.

You are kindly requested to send the completed form to:

icaoesaf@icao.int with copy to cmazhetese@icao.int and gilboudo@icao.int

# General Information

Date :

Country /State :

COM-Centre Name :

COM-Centre Location Indicator :

NOC/BCC-Centre Name :

NOC/BCC-Centre Location Indicator :

Details of the Person completing the survey

* Name :
* e-mail :
* Phone number :

| **ICAO IWXXM references** | **Question number and title** | **Text of question** | **Answer to the question** | **Please substantiate your answer**  |
| --- | --- | --- | --- | --- |
| **ICAO IWXXM Guideline: §2.1** | 1 - File transfer enabler (FTBP) | Has your AFS COM-Centre implemented or plans to implement a subset of the extended Air Traffic Services Message Handling Services (ATSMHS) that includes File Transfer Body Part (FTBP), which is required for the exchange of IWXXM messages? | [ ]  No File Transfer Body Part (FTBP) support implemented or planned  |  |
| [ ]  Yes, File Transfer Body Part support implemented and operational by: *(Please give the date /period of the implementation and a short description of the features, for example the maximum size of the FTBP)* |  |
| [ ]  Yes, File Transfer Body Part support implemented and planned to be operational by: *(Please, provide the date or expected period and indicate the maximum size of AMHS messages (including FTBP)* |  |
| **ICAO IWXXM Guideline: §2.1** | 2 - For BCC only States | In your capacity of BCC Sates, do you intend to establish an ATS Message Handling System (AMHS) connection with the FTBP module between your AFS COM-Centre and AFS COM-Centre of your associated Regional OPMET Centre (i.e. ROC LFPW)? | [ ]  Yes, connection already in place.*)* |  |
| [ ]  Yes, but no coordination started for that.  |  |
| [ ]  Yes, coordination already started and connection planned to be operational by: *(Provide date or expected period)* |  |
| [ ]  No, *(Please indicate the reasons for the decision* |  |
| **ICAO IWXXM Guideline: §3.1.1** | 3 - For BCC only States | In case the connection is already in place (in accordance with 2/9 a), did your BCC conduct tests with their corresponding NOCs for exchanging IWXXM data via the AFS using AMHS with FTBP and AMHS profile for IWXXM data? | [ ]  Yes, tests have been conducted *(please give the period and results obtained)* |  |
| [ ]  No, tests have been planned but not yet conducted *(please give the reasons of not yet being able to conduct the tests)* |  |
| [ ]  No, tests have not been not conducted and not planned *(please give the reasons)* |  |
| **ICAO IWXXM Guideline: §6.1.3** | 4 - Translation of TAC into IWXXM format | Does your BCC have the capability to act as a translation Centre for OPMET data from TAC to IWXXM format and vice versa? | [ ]  Yes. |  |
| [ ]  No, the BCC receives IWXXM data from an external Translation Centre. |
| [ ]  No, the BCC does not have the capability to handle OPMET data in IWXXM format. |
| **ICAO IWXXM Guideline: §5.3.7** | 5 - Translation Agreement | Is there any Translation Agreement between your BCC (acting as Translation Centre) and applicant State /NOC?  | [ ]  **Yes**. |  |
| [ ]  No. |
| **ICAO IWXXM Guideline: §5.3.7** | 6 - Translation Agreement | In case the Translation Agreement is established and implemented, did you forward this Agreement to your corresponding ICAO Regional Office? | [ ]  Yes. *(please, provide the date)* |  |
| [ ]  No, *(please, provide the reason)* |
| **ICAO IWXXM Guideline: §6.1.3** | 7 - IWXXM Tests between the BCC and their corresponding IROG | Where operational tests conducted between your BCC and the corresponding ROC where the connection of the AFS using AMHS with FTBP module is already in place? | [ ]  Yes, test have been conducted *(please, provide the date)*[ ]  No, tests have not been conducted but are planned *(please provide the date)* |  |
| **ICAO IWXXM Guideline: §2.4, §6.1.3** | 8 – Data Switch | Do plans exists for your MET-Switch system to support the exchange of IWXXM MET messages by means of a sub-set of extended ATSMHS with File Transfer Body Part (FTBP)? | [ ]  No File Transfer Body Part support have been planned*(Please indicate the reasons)* |  |
| [ ]  Yes, File Transfer Body Part support has been planned between MET Switch and National COM Centres (*provide date or expected period)*  |  |
| [ ]  File Transfer Body Part support is already in place between MET Switch and the national COM-Centre *(provide date of implementation)* |  |
| **ICAO IWXXM Guideline: §2.5, §5.3** | 9 - Provision of OPMET Data in IWXXM format by the NOC  | What is the status of OPMET data implementation or planned implementation in IWXXM format by your NOC? | [ ]  No implementation/planned implementation of OPMET data in IWXXM is envisaged *(Please indicate the reasons for the decision)* |  |
| [ ]  IWXXM METAR and SPECI implemented since : *(provide the date)* |  |
| [ ]  IWXXM METAR and SPECI planned to be available by: *(Date or expected period)* |  |
| [ ]  IWXXM TAF implemented since: *(Date or expected period)* |  |
| [ ]  IWXXM TAF planned to be available by: *(Date or expected period)* |  |
| [ ]  IWXXM SIGMET implemented since: *(Date or expected period)* |  |
| [ ]  IWXXM SIGMET planned to be available by: *(Date or expected period)* |  |
| **Guideline: §4.1.5** | 10 - IROGs /RODB/NOCs | Does your RODBs have the capabilities to handle OPMET data in both IWXXM and TAC format?  | [ ]  **Yes**, *(please provide the period and any useful information)* |  |
| [ ]  **No**, *(please give the reason)* |
| **Guideline: §4.1.5** | 11 - IROGs /RODB/NOCs | Does your IWXXM data producers have processes to manage and update metadata?  | [ ]  Yes, processes for managing metadata have been developed and implemented. |  |
| [ ]  No, processes for managing metadata have not been developed and implemented *(please give the reasons)* |
| **ICAO IWXXM Guideline: §4.1.5** | 12 - IROGs /RODB/NOCs | Has your RODB implemented and documented a standard set of queries for IWXXM data? | [ ]  Yes, a set of queries for IWXXM data has been implemented and documented. |  |
| [ ]  No, queries for IWXXM have not been implemented and documented. |
| **ICAO IWXXM Guideline: §2.6, §2.7** | 13 - IROGs /RODB/NOCs | Does your ROCs & IROGs have the capability to aggregate and switch IWXXM data?  | [ ]  Yes, capabilities to aggregate and switch IWXXM data have been implemented for ROCs and IROGs. |  |
| [ ]  **No**, IWXXM data aggregation and switch capabilities have not been implemented for ROCs & IROGs. |  |
| **ICAO IWXXM Guideline: §5.3** | 14 - IROGs /RODB/NOCs | Is your Translation Centre external unit, or does your ROCs & IROGs have the capability to act as Translation Centres? | [ ]  Yes, an external TAC Translator provide corresponding NOCs with IWXXM data. |  |
| [ ]  Yes, NOC and/or ROCs and IROGs act as Translation Centre |  |
| **ICAO IWXXM Guideline: §4.1.1** | 15 - IROGs /RODB/NOCs | Are your Data producers able to translate OPEMT data from TAC to IWXXM format? | [ ]  Yes, Data producer has capabilities to convert OPMET data from TAC to IWXXM format. |  |
| [ ]  No, we use an external data translator for converting OPMET data from TAC to IWXXM format. |  |
| **ICAO IWXXM Guideline: §2.5, §5.3** | 16 - IROGs /RODB/NOCs | Is your NOC ready to exchange OPMET data in IWXXM format? | [ ]  Yes. |  |
| [ ]  No, NOC has not capability to exchange data in IWXXM format. |  |
| **ICAO IWXXM Guideline: §6.1.1** | 17 - Managing the transition towards the IWXXM | Is there an inter-regional plan on AMHS infrastructure/links and IWXXM data exchange between the ROC of Toulouse and your RODB (Dakar and Pretoria)? | [ ]  Yes, an inter-regional plan to coordinate the transition towards the IWXXM between ROC Toulouse and RODBs Dakar and Pretoria has been established. |  |
| [ ]  No, inter-regional plan not established |  |
| [ ]  No, such intra-regional plan are not established. |  |
| **ICAO IWXXM Guideline: §6.1.1** | 18 - Managing the transition towards the IWXXM | Is there an Agreement that defines how the testing platform and software should be made available and accessible to each State? | [ ]  Yes, an Agreement dealing with the testing platform exists and is accessible by States |  |
| [ ]  No, there is no Agreement dealing with the testing platform. |  |
| - | 19 - What to do with regard to assisting States | What should be undertaken to support your Administration expedite the implementation of IWXXM data format? | [ ]  Establish coordination between RODBs and corresponding BCCs[ ]  Establish coordination between NOCs and BCCs[ ]  Enhance the coordination between NOCs, BCCs, ROCs and IROGs.[ ]  Organize Seminars /workshops on the implementation of the IWXXM [ ]  Other *(provide the details)* |  |

**Date of completion of the survey and signature:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Thank you for taking time to complete this survey.***