



INTERNATIONAL CIVIL AVIATION ORGANISATION

**AFI PLANNING AND IMPLEMENTATION REGIONAL GROUP (APIRG)  
AFI OPMET MANAGEMENT TASK FORCE MEETING (AFI OPMET MTF/4)**

*(Pretoria, South Africa, 10-11 September 2012)*

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- Agenda Item 4: Review of regional guidance material on OPMET exchange**  
b) **Review of the AFI Meteorological Bulletin Exchange (AMBEX) Handbook**

**REVIEW OF THE AMBEX SCHEME**

*(Presented by ROC Toulouse)*

**SUMMARY**

This WP proposes a review of the exchanged data mainly based on FASID tables with the addition of missing required data in a managed multiannual plan.

**1. Introduction**

1.1 The OPMET data required to be exchanged in the AFI region and from AFI to EUR region are defined in the AMBEX scheme.

1.2 The FASID tables (table MET 1A and 2A) are the basis of requirements on METAR and TAF data and can be found on a data base managed by ICAO HQ in Montreal and as well in the regional ICAO websites as pdf files.

**2. Discussion**

2.1 The exchanged TAF data defined in the AMBEX scheme for Ethiopia, Djibouti, Algeria, Tunisia, Libya, Senegal and South Africa are the following (as an example extracted from current AMBEX Plan, appendix B):

**HAAB** (FT, 30 hours) **HAAY** (FT, 24 hours) **HADR** (FT, 24 hours) (**Ethiopia**)

**HDAM** (FT, 24 hours) (**Djibouti**)

**DAMM** (FT, 24 hours) **DABB** (FT, 24 hours) **DAOO** (FT, 24 hours) **DAAT** (FT, 24 hours) (**Algeria**)

(3 pages)

GOOY (FT, 30 hours) (Senegal)

FAPR (FT, 30 hours) FACT (FT, 30 hours) FADN (FT, 30 hours) FABL (FT, 24 hours) (South Africa)

2.2 The required TAF data for Ethiopia, Djibouti, Algeria, Tunisia, Libya, Senegal and South Africa are (as an example extracted from the FASID MET 1A and FASID MET 2A):

**FASID MET 1A**

HAAB (FT, 30 hours) , HAAY (non indicated), HADR (non required ) (Ethiopia)

HDAM (FT, 24 hours) (Djibouti)

DAAG DABB DABC DAUG DAUH DAUI DAOO DAAT DABS  
DAON DAUZ (FT, 24 hours) (Algeria)

GOGS (FT, 24 hours) GOOY (FT, 30 hours) GOSS (FT, 24 hours) (Senegal)

FABL (FT, 24 hours) FACT (FT, 30 hours) FAJS (FT, 30 hours) (South Africa)

**FASID MET 2A (AOP airports only, extracted here below)**

HAAB (FT, 30 hours) (Ethiopia)

HDAM (FT, 24 hours) (Djibouti)

DAAG DABB DABC DAUG DAUH DAUI DAOO DAAT DABS DAON  
DAUZ (FT, (FT, 24 hours) (Algeria)

GOGS (FT, 24 hours) GOOY (FT, 30 hours) GOSS (FT, 24 hours) (Senegal)

FABL (FT, 24 hours) FACT (FT, 30 hours) FAJS (FT, 30 hours) (South Africa)

2.3 The current OPMET exchange is based on the AMBEX scheme content. In comparing the required data against the AMBEX scheme, it can be seen that there is no clear separation between the data to be exchanged and the required data (see above as an example, Ethiopia, Algeria, Senegal and South-Africa).

Some data are exchanged according to the Scheme but not required (such as HAAY, HADR, ...) while some data are required but not exchanged (such as DAAG, DAUG, GOGS ...).

2.4 To fulfil the requirements on OPMET data exchange, the AMBEX scheme should reflect the state of data requirements. It is therefore, necessary that a review should be undertaken on the AMBEX Scheme to

show the required data following the FASID MET tables and not those required but not reflected in the current AMBEX Scheme. The AMBEX Scheme should then be updated accordingly by adding those data to the exchange schema. If the suggestion is acceptable to the Group, les, an Ad hoc team or sub group can be formed to review the Scheme while taking into consideration the agreed principles as defined in this WP.

2.5 To assure a seamless, efficient transition to reach a consolidated AMBEX Scheme and without unnecessary delay, the Ad hoc team could modify/update along the following year the exchange schema for the States that already produce required data not exchanged. Such data are already produced and the required action is only to include them in the existing compilation while improving the global dissemination of the required data. A notification could then be sent to the AFI com centres and ROC Toulouse to inform them of the modifications undertaken.

2.6 . For aerodromes whose data are required but not produced , a multiannual plan could be proposed in the nextMTF meeting , taking into account the more urgent users requirement by holding discussions in the interim period with the main users and taking into consideration the met service providers constraints.

2.7 The sub-group/Ad hoc team could be composed by experts from at least the two AFI IROGs with the help of the ICAO MET officers and other experts.

2.8 The MET/TF is invited to consider the content of this working paper and adopt the following conclusion,

**Recommendation 4/xx: Establishment of a Core team to review the AMBEX Scheme**

**That a Core team composed of the Secretariat, France, Senegal, South Africa and ASECNA be established to review the AMBEX Handbook by taking into consideration the requirements expressed in the AFI MET FASID Tables and improve the exchange scheme and report to the Task Force on time for the MTF/6 Meeting.**

### **3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) Note the information in this paper,
- b) decide on the above Recommendation proposed for the Task Force's consideration.

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