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| WORLD METEOROLOGICAL ORGANIZATION  COMMISSION FOR BASIC SYSTEMS  -----------------------------  SECOND MEETING OF  INTER-PROGRAMME EXPERT TEAM ON CODES MAINTENANCE  OFFENBACH, GERMANY, 28 MAY - 1 JUNE 2018 |  | IPET-CM-II / Doc. 7.2 (1)  28.05.2018  -------------------------  ITEM 7.2  ENGLISH ONLY |

MIGRATION TO TABLE-DRIVEN CODE FORMS

Reports on status of migration

Status of the migration to TDCF in RA I

*Submitted by Abderrazak Lemkhenter (Morocco)*

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**Summary and Purpose of Document**

The document describes the status of migration to Table-Driven Code Forms in RA I, highlighting monitoring results in.

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**ACTION PROPOSED**

The meeting is requested to note the information.

**ANNEXES:**

1. None

**DISCUSSIONS**

**1 Background of this report**

**AFRICA:**

Before writing this report, I consulted the Moroccan WIS focal point. We discussed the issues regarding data availability and formats in RA-I. We noted the following:

1. No technical meeting has been held since IPET-CMI.

2. There are some difficulties to collect information from RA1 members out of meetings.

3. Together we developed a questionnaire to monitor the progress of the implementation of the Casablanca GISC and it was an opportunity to introduce questions about TDCF migration.

On the other hand, I have analyzed the migration monitoring results established by WMO and those established by the ECMWF. WMO monitoring is rather a concentration monitoring by the RTHs than a migration monitoring.

As a result, I relied on ECMWF monitoring to establish a diagnosis and to see the possibility of making corrections, in particular on the case of Morocco.

**TDCF migration status:**

SYNOP messages:

Most African countries are in one of two situations: migration is 100% or migration has not started yet.

Some countries can not even transmit their data on the GTS network. This is mainly due to the lack of adequae telecommunication links between the NHMs and the concentration RTH.

Silent country stations: 5

Country with Migration 0%: 17+

Country with Migration 100%: 20+

* Morocco, Algeria, Mauritania, Senegal, Mali, Gambia, Guinea-Bissau
* Liberia, Cote d’Ivoire, Ghana, Burkina Faso
* Cameron, Gabon, Equatorial Guinea, Republic of Congo, Democratic Republic of Congo
* Egypt, Rwanda, Kenya, Tanzania.

TEMP messages:

The same status is observed for TEMP messages.

The BUFR message is generated by the upper air system and contains all parts of the TEMP.

In case of Morocco, the conversion from parts of TEMP to BUFR don’t work correctly et luckily Morocco has changed its system this year.

Country with Migration 100%:

* Morocco, Algeria, Niger, South of Africa.

**Analysis and recommendations**

In RA1 region:

* the problem is more related to the availability of data in the RTHs that can transmit them in the RTH network.
* No instance oversees the evolution of the migration to TDCF and it is not easy to have information about the migration.