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| WORLD METEOROLOGICAL ORGANIZATION  COMMISSION FOR BASIC SYSTEMS  -----------------------------  FIRST MEETING OF  INTER-PROGRAMME EXPERT TEAM ON DATA REPRESENTATION MAINTENANCE AND MONITORING  TOKYO, JAPAN, 1 - 5 JULY 2013 |  | IPET-DRMM-I / Doc. 7.1.2 (9)  (21. 6. 2013)  -------------------------  ITEM 7.1.2  ENGLISH ONLY |

**Status of the Migration to TDCF in UKMO**

*Submitted by Richard Weedon*

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**Summary and Purpose of Document**

Developments and plans for

the migration to TDCF in the UKMO

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**ACTION PROPOSED**

The meeting is requested to note the information

**Background**

The fourth meeting of the Inter-Programme on Data Representation and Codes (Exeter 2012) agreed to start the testing of BUFR – TAC conversion facilities, in preparation for the cessation of Category1 TAC transmissions in Nov 2014. It was agreed that the timetable for this process should be staggered ,starting with land SYNOP in the early part of 2013. After consultation it was agreed to postpone the cut of date for SYNOP to the latter part of 2013.

**Proposal**

The UKMO is currently converting TAC bulletins to BUFR for SYNOP, TEMP\*, PILOT & CLIMAT and placing them on GTS for onward transmission.

As a HUB on the GTS the UKMO is responsible for data feeds to customers both in and outside of the UK. Whilst we are currently in a position to turn off all TAC feeds for land SYNOP data , the decision to do so has been postponed until an assessment of our current responsibilities for the translation and transmission of this data type has been undertaken.

Although it is not possible to give a completion date for the assessment of LNDSYN data , we are currently aiming for Nov 2013. At this time a decision will be made on the cessation of TAC transmissions and formal notice given through the WMO secretariat.

The scope of this work will extended in the coming months to include the remaining data types listed in Cat 1 and the marine data in Cat 4.

A full listing of UK TAC-BUFR SYNOP transmissions is given in Table1.

*\* It is anticipated that the current TEMP data stream will be replaced with a High Resolution equivalent using the new High Resolution BUFR Template (3 09 055) by Nov 2013.*

**Table 1 - SYNOP data transmitted by the UKMO.**

|  |  |
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| TAC bulletin | BUFR bulletin |
| SMAA01 \*\*\*\* | ISMI02 EGRR |
| SMAA02 \*\*\*\* | ISMI03 EGRR |
| SMAA14 \*\*\*\* | ISMS01 EGRR |
| SMCY95 \*\*\*\* | ISMD03 EGRR |
| SMDL95 \*\*\*\* | ISMD02 EGRR |
| SMGI95 \*\*\*\* | ISMA04 EGRR |
| SMST01 \*\*\*\* | ISMI01 EGRR |
| SMUK42 \*\*\*\* | ISMA02 EGRR |
| SMUK81 \*\*\*\* | ISMA01 EGRR |
| SMUK83 \*\*\*\* | ISMA03 EGRR |
| SMUK84 \*\*\*\* | ISMD01 EGRR |
| SMUK95 \*\*\*\* | ISMN01 EGRR |
| SMFK95 EGRR | ISMI10 EGRR |
| SMAI41 FHAW | ISMI11 EGRR |
| SMHE95 EGRR | ISMI12 EGRR |
| SMFK41 EGRR | ISMI13 EGRR |
| SIAA14 \*\*\*\* | ISIS01 EGRR |
| SIAA21 \*\*\*\* | ISII02 EGRR |
| SIAA22 \*\*\*\* | ISII03 EGRR |
| SICY95 \*\*\*\* | ISID03 EGRR |
| SIDL95 \*\*\*\* | ISID02 EGRR |
| SIGI95 \*\*\*\* | ISIA04 EGRR |
| SIST21 \*\*\*\* | ISII01 EGRR |
| SIUK42 \*\*\*\* | ISIA02 EGRR |
| SIUK81 \*\*\*\* | ISIA01 EGRR |
| SIUK83 \*\*\*\* | ISIA03 EGRR |
| SIUK84 \*\*\*\* | ISID01 EGRR |
| SIUK95 \*\*\*\* | ISIN01 EGRR |
| SIFK95 EGRR | ISII10 EGRR |
| SIAI41 FHAW | ISII11 EGRR |
| SIHE95 EGRR | ISII12 EGRR |
| SIFK41 EGRR | ISII13 EGRR |
| SNAA14 \*\*\*\* | ISNS01 EGRR |
| SNAA41 \*\*\*\* | ISNI02 EGRR |
| SNCY95 \*\*\*\* | ISND03 EGRR |
| SNDL95 \*\*\*\* | ISND02 EGRR |
| SNGI95 \*\*\*\* | ISNA04 EGRR |
| SNST41 \*\*\*\* | ISNI01 EGRR |
| SNUK42 \*\*\*\* | ISNA02 EGRR |
| SNUK81 \*\*\*\* | ISNA01 EGRR |
| SNUK83 \*\*\*\* | ISNA03 EGRR |
| SNUK84 \*\*\*\* | ISND01 EGRR |
| SNUK95 \*\*\*\* | ISNN01 EGRR |
| SNFK95 EGRR | ISNI10 EGRR |
| SNHE95 EGRR | ISNI12 EGRR |
| SNFK41 EGRR | ISNI13 EGRR |
| SNAA24 EGRR | ISAS60 EGRR |
| SNAA19 \*\*\*\* | ISNS46 EGRR |