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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. 2.6(5)  23.05.2018  -------------------------  ITEM 2.6  ENGLISH ONLY |

MANUAL ON CODES: TABLE-DRIVEN CODE FORMS

New editions of Table-Driven Code Forms

New template component and templates for time interval in GRIB Edition 3

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**Summary and Purpose of Document**

Define a new template component for included and missing data in statistical process and resulting templates.

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**ACTION PROPOSED**

The team is asked to review the proposal and accept it for experimental use.

**ANNEXES:**

**DISCUSSIONS**

Comparing GRIB2 meta data defining time interval(s) with the new GRIB3 template component TC 3.1 one recognizes meta data not (yet) defined in GRIB3: definition of time increment and “total number of data values missing in statistical process”.

The number of missing data is important, e.g. when an accumulation is followed by an averaging process. Also the number of data included in statistical process may be helpful. Therefore we propose to define a new Template Component and built new templates.

**PROPOSAL**

***Template Component 3.2 - Processed (included and missing) data in statistical process***

**Byte Content**

1-4 Total number of data values included in statistical process

5-8 Number of data values missing in statistical process

***Template 3.4 – Forecast time interval with number of processed data values***

**TC Content**

3.1 Forecast time interval

3.2 Processed data in statistical process

***Template 3.5 – Forecast two nested time intervals with number of processed data values***

**TC Content**

3.1 Forecast time interval (Note 1)

3.2 Processed data in statistical process (Note 1)

3.1 Forecast time interval

3.2 Processed data in statistical process

Note (1): Outer time interval (including processed data in statistical process) first