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| WORLD METEOROLOGICAL ORGANIZATION  COMMISSION FOR BASIC SYSTEMS  -----------------------------  FOURTH MEETING OF  INTER-PROGRAMME EXPERT TEAM ON DATA REPRESENTATION MAINTENANCE AND MONITORING  GENEVA, SWITZERLAND, 30 MAY - 3 JUNE 2016 |  | IPET-DRMM-IV / Doc. 2.3 (1)  (18. 5. 2016)  -------------------------  ITEM 2.3  ENGLISH ONLY |

GRIB

**GRIB edition 3**

*Submitted by Enrico Fucile (ECMWF), Sebastien Villaume (ECMWF), Shahram Najm (ECMWF), Kevin Marsh (ECMWF)*

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**Summary and Purpose of Document**

New regulations, specification of octets, templates and code/flag tables are proposed for GRIB edition 3. The proposal aim is to implement the requirements collected and agreed during IPET-DRMM III meeting.

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**ACTION PROPOSED**

The Team is requested to review the proposed documents and modify them as required to submit them for approval by CBS.

**REFERENCES:**

1. [New GRIB edition progress IPET-DRMM III](http://www.wmo.int/pages/prog/www/ISS/Meetings/IPET-DRMM_Beijing2015/Documents/IPET-DRMM-III_Doc2-3-1_GRIB3.doc)
2. [Final report of Inter-Programme Expert Team on Data Representation Maintenance and Monitoring (IPET-DRMM-III)](http://www.wmo.int/pages/prog/www/ISS/Meetings/IPET-DRMM_Beijing2015/Report/Report_IPET-DRMM-III_Beijing_summary.docx)

**ANNEXES:**

1. Draft of WMO 306 Manual on Codes. GRIB edition 3 regulations.
2. Draft of WMO 306 Manual on Codes. GRIB edition 3 specification of octets.
3. Draft of WMO 306 Manual on Codes. GRIB edition 3 templates.
4. Draft of WMO 306 Manual on Codes. GRIB edition 3 code and flag tables.

**DISCUSSIONS**

A list of requirements for the next GRIB edition has been collected during the last four years. The list has been consolidated and a cost/benefit analysis presented during the IPET-DRMM III meeting (see ref. 1). During that meeting has been decided to implement only a small consolidated set of requirements to be confident that the new GRIB edition could be submitted for approval at the CBS 2016 meeting (see ref. 2).

A collaborative work space has been made available by ECMWF for the consolidation of the new GRIB edition 3 structure. A work of consolidation of the structure has been completed and the necessary changes have been drafted in a proposed new version of the Manual on Codes for FM-92 GRIB (see annexes).

Most of the requirements have been implemented in the new proposed structure.

A detailed discussion of the changes, the motivation and the way the requirements are implemented in the proposed documents is needed during the IPET-DRMM IV meeting.