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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. 2.5 (4)  23.05.2018  -------------------------  ITEM 2.5  ENGLISH ONLY |

MANUAL ON CODES: TABLE-DRIVEN CODE FORMS

Common Code tables

New entries in Common Code tables C-5 and C-8

*Submitted by Harald Anlauf, Sibylle Krebber (DWD)*

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**Summary and Purpose of Document**

This document is to propose new entries in Common Code tables C-5 and C-8 for the GRACE-FO satellites and their GNSS occultation sounder.

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**ACTION PROPOSED**

The meeting is requested to review the proposed new entry and approve it for pre-operational use and inclusion within the next update to the WMO Manual on Codes.

**ANNEXES:**

**DISCUSSIONS**

1. On the 22nd of May 2018, NASA launched the Gravity Recovery and Climate Experiment - Follow-on (GRACE-FO) mission, consisting of two satellites in low Earth drifting orbit. The GRACE-FO mission is a partnership between NASA and GeoForschungsZentrum (GFZ) Potsdam, Germany, and a successor to the original GRACE mission.
2. Near Real Time data will be processed and provided by GFZ soon after carrying out the initial calibration and validation phase. The dissemination on GTS will be handled by DWD.
3. Identifiers for GRACE-FO (2 satellites) and for the GNSS Radio Occultation instrument, which are required for data transmission on GTS, are requested.

**PROPOSAL**

**Add entries:**

**Common Code table C-5 Satellite identifier:**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Code figure for I6I6I6*** | ***Code figure for BUFR (Code table 0 01 007)*** | ***Code figure for GRIB Edition 2*** |  |
| 803 | 803 | 803 | GRACE C (GRACE-FO) |
| 804 | 804 | 804 | GRACE D (GRACE-FO) |

**Common Code Table C8 - Satellite instruments:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Code*** | ***Agency*** | ***Type*** | ***Instrument short name*** | ***Instrument long name*** |
| 104 | NASA | GNSS occultation sounder | Tri-G | Triple-G (GPS, Galileo, GLONASS) |