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| WORLD METEOROLOGICAL ORGANIZATION  COMMISSION FOR BASIC SYSTEMS  -----------------------------  THIRD MEETING OF  INTER-PROGRAMME EXPERT TEAM ON DATA REPRESENTATION MAINTENANCE AND MONITORING  BEIJING, CHINA, 20 - 24 JULY 2015 |  | IPET-DRMM-III / Doc. 3.2 (10)  (15. 7. 2015)  -------------------------  ITEM 3.2  ENGLISH ONLY |

BUFR and CREX

**New BUFR code table entries for radio occultation data of FY-3C**

*Submitted by Mi Liao (China)*

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**Summary and Purpose of Document**

This document proposes new code figures for Common Code Table C8 and descriptor 0-02-020.

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**ACTION PROPOSED**

The meeting is requested to review the proposal and approve the contents for pre-operational use as part of fast track cycle FT2015-2.

**DISCUSSION**

GNOS (Global Navigation Satellite System Occultation Sounder) loaded on FY-3C is the first civil-use radio occultation sounder of China. It can be compatible with GPS and BDS (BeiDou navigation satellite system).

CMA is planning to produce BUFR message of radio occultation data from GNOS. The BUFR template for radio occultation observations is developed. New code figures for 0-02-019 and 0-02-020 are needed in the code tables as shown below.

**PROPOSAL**

1. ***New entry in COMMON CODE TABLE C-8: Satellite instruments (also for 0-02-019)***

Code Agency Type Instrument short name Instrument long name

958 CMA Radiometer GNOS Global Navigation Satellite System Occultation Sounder

1. ***New entry in code table for BUFR descriptor 0-02-020 (Satellite classification)***

Code figure Meaning

404 BDS (BeiDou Navigation Satellite System)