|  |  |  |
| --- | --- | --- |
| 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 (1)  (22. 6. 2015)  -------------------------  ITEM 3.2  ENGLISH ONLY |

BUFR and CREX

**New BUFR code table entry for national practice dropsonde data**

*Submitted by Jeff Ator (U.S.A)*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Summary and Purpose of Document**

This document proposes a new code table entry for BUFR descriptor 0-08-042

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**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**

As part of U.S.A.’s migration to BUFR, certain fields in the 62626 national practice section of U.S. TAC dropsonde reports (XXAA, XXBB) are required by the U.S. Navy as well as NCEP’s National Hurricane Center (NHC) to be retained in BUFR. This information will be reported using supplementary BUFR Table B descriptors following the standard Table D descriptor 3-09-053. Most of the information can already be reported using existing Table B descriptors; however, one new code figure is needed in the code table for descriptor 0-08-042 as shown below. There is already an existing entry for “Top of wind sounding” in this same code table, so we believe the addition of the proposed new entry below is appropriate.

It is hoped that this proposal will be non-controversial enough to be approved by voice vote acclamation of the IPET-DRMM meeting, but if necessary we can generate one or more sample messages for validation in the coming months.

**PROPOSAL**

***New entry in code table for BUFR descriptor 0-08-042 (Flight level significance)***

16 Bottom of wind sounding