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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. 2.2 (3)  (22. 6. 2015)  -------------------------  ITEM 2.2  ENGLISH ONLY |

GRIB

**New GRIB2 parameter for aviation**

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

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**Summary and Purpose of Document**

This document proposes a new parameter in GRIB2 Code Table 4.2

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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**

NCEP’s Aviation Weather Center (AWC) will begin developing some new aviation forecast products in collaboration with several other NOAA line offices. A new parameter is requested for reporting “Mountain wave”, which is a turbulence-like disturbance on the lee (downwind) side of a mountain caused by the interference of the high ground with the horizontal air flow.

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 parameters in Code Table 4.2:***

**Discipline 0 (Meteorological products)**

**Category 19 (Physical atmospheric properties)**

28 Mountain wave m2/3 s–1