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| WORLD METEOROLOGICAL ORGANIZATION  COMMISSION FOR BASIC SYSTEMS  -----------------------------  FIRST MEETING OF  INTER-PROGRAMME EXPERT TEAM ON CODES MAINTENANCE  GENEVA, SWITZERLAND, 24 - 28 JULY 2017 |  | IPET-CM-I / Doc. 2.6 (3) rev  (26. 7. 2017)  -------------------------  ITEM 2.6  ENGLISH ONLY |

GRIB edition 3

**Amendments to current version of GRIB edition 3**

*Submitted by Shahram Najm*

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**Summary and Purpose of Document**

Some editorial changes are proposed to correct some incorrect section and code table entries.

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**ACTION PROPOSED**

The team is asked to accept the changes.

**DISCUSSIONS**

Some editorial changes are proposed to correct some incorrect section and code table entries.

**PROPOSAL**

**Amend Vertical Coordinate Template Component 5.0 - Vertical Level**

The original template component 5.0 allocated 3 bytes to the scaled value of the first fixed surface. This has to be changed to 4 bytes.

Original specification:

Byte No. Contents

1 Type of first fixed surface (see Code table 5.1)

2 Scale factor of first fixed surface

3–5 Scaled value of first fixed surface

Amended specification:

Byte No. Contents

1 Type of first fixed surface (see Code table 5.1)

2 Scale factor of first fixed surface

**3-6 Scaled value of first fixed surface**

**Amend Vertical Coordinate Template Component 5.1 - Vertical layer**

The original template component 5.1 allocated 3 bytes to the scaled value of the first and second fixed surfaces. These have to be changed to 4 bytes.

Original specification:

Byte No. Contents

1 Type of first fixed surface (see Code table 5.1)

2 Scale factor of first fixed surface

3–5 Scaled value of first fixed surface

6 Type of second fixed surface (see Code table 5.1)

7 Scale factor of second fixed surface

8–10 Scaled value of second fixed surface

Amended specification:

Byte No. Contents

1 Type of first fixed surface (see Code table 5.1)

2 Scale factor of first fixed surface

**3-6 Scaled value of first fixed surface**

**7 Type of second fixed surface (see Code table 5.1)**

**8 Scale factor of second fixed surface**

**9-12 Scaled value of second fixed surface**

**Amend Data Representation Template Component 8.0 - Simple packing**

Note (1) should refer to Section 9 (the Overlay section) rather than Section 6.

Original note 1:

Management of explicitly missing values is an alternative to bit-map use within Section 6; it is intended to reduce the whole GRIB message size and to provide better performance when decoding data with missing values.

Amended note 1:

Management of explicitly missing values is an alternative to bit-map use within **Section 9**; it is intended to reduce the whole GRIB message size and to provide better performance when decoding data with missing values.

**Amend Data Representation Template Component 8.4 - IEEE floating point**

The name of this template component should be component 8.1 not 8.4.

Original name:

Data Representation Template Component 8.4 – IEEE floating point

Amended name:

Data Representation Template Component **8.1** – IEEE floating point