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| WORLD METEOROLOGICAL ORGANIZATION  COMMISSION FOR BASIC SYSTEMS  -----------------------------  THIRD MEETING OF  INTER-PROGRAMME EXPERT TEAM ON CODES MAINTENANCE  MARRAKECH, MOROCCO, 15 - 19 APRIL 2019 |  | IPET-CM-III / Doc. 2.5(5)  10.04.2019  -------------------------  ITEM 2.5  ENGLISH ONLY |

MANUAL ON CODES: TABLE-DRIVEN CODE FORMS

Common Code tables

Amendment to Common Table C-14

*Submitted by Sébastien Villaume (ECMWF)*

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**Summary and Purpose of Document**

This document proposes to remove a range of entries in Common Code Table C-14.

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**ACTION PROPOSED**

The team is requested to approve the changes listed below for inclusion within the next update to the WMO Manual on Codes.

**DISCUSSIONS**

It is a common practice, when creating new Code Tables for GRIB, to reserve a range of entries for local/experimental use, typically 192-254 for 2 octets.

At ECMWF, we typically use the local range for experimental purpose, i.e. producing new parameters that are not to be exchanged/disseminated yet. These new parameters are eventually requested at the next IPET-CM meetings once tested and validated and are given a proper code in the official range of the relevant table. In the context of testing new implementation of the atmospheric composition model, we need to have the possibility to define new chemical or physical constituents in Common Code Table C-14.

The Common Code Tables are shared by all WMO data formats (GRIB, BUFR, and CREX) and because it is not a common practice to have local range in other format than GRIB, these tables typically don’t have a local range.

Considering that Common Code Table C-14 is only used for GRIB edition 2, and taking into account that the table has a full range of 65535 entries and that less than half of them are in use, our proposal is to reserve the range 63000-65534 for experimental use.

**PROPOSAL**

**Common Code Table C-14 – Atmospheric chemical or physical constituent types**

**ADD** the entry (in red)

**EDIT** the entry (in blue)

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| --- | --- | --- |
| **Code** | **Name** | **Formula** |
| **62301-62999** | Reserved |  |
| **63000-65534** | For experimental use |  |
| **65535** | Missing |  |