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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. 11.4  (25. 7. 2017)  -------------------------  ITEM 11.4  ENGLISH ONLY |

COLLABORATION WITH OTHER ORGANIZATIONS AND TECHNICAL BODIES

Implications for the CM Team of provision of the WMO Codes Registry

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**Summary and Purpose of Document**

Information on the current status of the WMO Codes Registry

Suggested next steps to evaluate and communicate the implications for the CM Team of work on the codes registry in other WMO expert teams

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**ACTION PROPOSED**

A more detailed evaluation of the content published in the WMO codes registry and the work flow around content management on behalf of the WMO, with a particular focus on machine harvesting of content and human interactions with content in a multi-lingual international environment.

**DISCUSSIONS**

The WMO Codes Registry, <http://codes.wmo.int> is a publishing platform, owned by the WMO, providing machine and human accessible content for WMO metadata standards.

The Registry is managed by the IPET-DD WMO Expert Team.

The registry is providing underpinning capabilities for Aviation XML and WIGOS metadata activities within the WMO.

The registry is providing subsets of metadata specification from the WMO manual on codes, to aid software and data interoperability and tool development.

All information from the manual on codes is reproduced to the best efforts of the registry maintainers.

The registry is not the definitive source of any content, the Manual on Codes is the definitive source.

No publishing of ‘stable’ content takes place on the registry until it is already approved by the WMO. Any mismatches are the fault of the registry and shall be corrected by maintainers on best endeavours.

The change work flow is in final approval status and is currently published on the test system: <http://test.wmocodes.info/ui/about/contributing>

This includes an explicit approval stage for new content linked to an appropriate WMO Expert Team. Once agreed, this work flow will be strongly enforced.

There is potential for future activity for the CM Team, to gain benefit from the codes registry. For example, managed code lists in machine readable formats in the public domain could be a useful tool for developers of encoding and decoding software.

**PROPOSAL**

Further investigation into the code registry content and content management work flow is undertaken by a CM Team Member.

A report is provided to the CM team on this investigatory work.

Focal points for these investigations include:

1. Opportunities for use of structured content from the codes registry in collaboration between WMO centres.
2. Analysis of the machine readability of the published content.
3. Analysis of the potential for multi-lingual publishing of information for human consumption:
   1. Including how to add new language translations to the registry

The codes registry service is hosted and maintained by the Met Office, UK, on behalf of the WMO. It is recommended that the CM Team member who takes on this investigation works at a different WMO centre and is a fluent speaker of an official WMO language other than English.