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| WORLD METEOROLOGICAL ORGANIZATION  COMMISSION FOR BASIC SYSTEMS  -----------------------------  SECOND MEETING OF  INTER-PROGRAMME EXPERT TEAM ON CODES MAINTENANCE  OFFENBACH, GERMANY, 28 MAY - 1 JUNE 2018 |  | IPET-CM-II / Doc. 10.2  17.05.2018  -------------------------  ITEM 10.2  ENGLISH ONLY |

COLLABORATION WITH OTHER ORGANIZATIONS AND TECHNICAL BODIES

Exchange on GTS of Monthly Climate Monitoring Products

*Submitted by Fatima Driouech, Morocco, on behalf of CCl*

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**Summary and Purpose of Document**

This is to inform IPET-CM of the CCl request to develop a BUFR template for monthly exchange on GTS of a defined set of National Climate Monitoring Products (NCMP).

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**ACTION PROPOSED**

Agree on arrangements for NCMP BUFR template development

**ANNEX:**

1. WMO Guidelines on Generating a Defined Set of National Climate Monitoring Products (WMO-No. 1204), WMO 2017

**REFERENCE:**

1. Recommendation 5.2/1 (CCl-17) - ENHANCING OPERATIONAL CLIMATE MONITORING USING WMO STANDARD INFRASTRUCTURE AND REGULATORY FRAMEWORK

**DISCUSSIONS**

At the second meeting of IPET-DRMM (College Park, USA, 28 April - 2 May 2014), an expert from the Commission for Climatology (CCl) presented remotely a plan on the National Climate Monitoring Products (NCMP). The plan was at an early stage and the presentation did not lead to a discussion on a specific BUFR template for NCMP.

Since then, the plan has been brought into shape and the 17th session of CCl (Geneva, April 2018) noted with satisfaction the publication in 2017 of the WMO [*Guidelines*](https://library.wmo.int/opac/index.php?lvl=notice_display&id=20166#.Wqpsga6nGUl) *on Generating a Defined Set of National Climate Monitoring Products* (WMO-No. 1204) and invitedthe Commission for Basic Systems (CBS) to provide technical advice, as deems useful, for collecting and exchanging NCMP on operational basis (Recommendation 5.2/1 (CCl-17)).

It is therefore proposed to IPET-CM to assist the development of a BUFR template for the monthly exchange of NCMP together with an appropriate data designator and others, if any, to exchange on GTS this message. For the time being, the Secretariat staff will be playing the role of focal points for the two commissions, i.e. CBS and CCl (under the current structure), to facilitate the initial development. The initial draft will be forwarded to IPET-CM in due course for developing further and finalizing, which will be expected in a year or two.

Proposed information in the NCMP:

– Year

– Month

– Country

– NCMP value with appropriate units

*NCMP1: mean temperature anomalies*

*NCMP2: percentage rainfall anomaly*

*NCMP 3: standardized precipitation index*

*NCMP 4: warm days*

*NCMP 5: cold nights*

*NCMP 6: extremes of temperatures and precipitation*

– For NCMP 6, the counts of stations exceeding daily records

– Number of stations reporting each element used that month to calculate the NCMP

– A flag [0,1] to indicate whether the station data used were homogenized

– A flag [0,1] to indicate whether the station data used had undergone QC

– Base period (at the time of writing, this was 1981–2010 in all cases)

– Version of the software or guidance used to calculate the NCMP