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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. 10.3  21.05.2018  -------------------------  ITEM 10.3  ENGLISH ONLY |

COLLABORATION WITH OTHER ORGANIZATIONS AND TECHNICAL BODIES

Collaboration with the Inter-programme Expert Team on Operational Weather Radar (IPET-OWR)

*Submitted by Jitsuko Hasegawa (Chair)*

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**Summary and Purpose of Document**

This document discusses the request of the Inter-programme Expert Team on Operational Weather Radar (IPET-OWR) about its ongoing work on standardization of data format for operational radar data exchange.

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**ACTION PROPOSED**

The team is requested to take note of IPET-OWR’s request and is invited to consider possible ways to include the data format standard under development into the Manual on Codes.

**Reference**

* Standard Weather Radar Data Representation, CIMO/IPET-OWR-2/Doc. 5.1(7)

**DISCUSSION**

The Inter-programme Expert Team on Operational Weather Radar (IPET-OWR) is developing a standard data format for operational radar data exchange consisting of an Information Model (IM, the abstract model of the radar data itself), a Data Model (DM) and a File Format Specification using CfRadial 2.0 standard, which is an extension of the NetCDF Climate and Forecast (CF) Metadata Conventions.

IPET-OWR requested support of IPET-CM to the process of data format standardization in WMO Community.

The Team is invited to discuss possible ways to support this activity, e.g. how to include this package of data format standard into the Manual on Codes.

**A PROPOSED APPROACH**

If we consider the data standard as “model-driven,” a possible way is to include the model into Volume I.3 of the Manual.

CfRadial 2.0 standard as such is not defined by WMO and therefore it is not appropriate to include it in the Manual. On the other hand, the file format specification includes information for WMO Members to use the standard data format in a standardized way and it might be worth considering the possibility to include the information as part of regulatory material, in a similar way to B/C regulations.

Other ideas to support the standardization of radar data format are welcome.