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| **World Meteorological Organization &****Intergovernmental Oceanographic Commission (of UNESCO)****Data Buoy Cooperation Panel Thirty Seventh Session**, Virtual meeting, 8th -11th November 2021 | Image result for ioc logo unesco**DBCP-37/Doc. 6.8.0** |
| Submitted by:K.J. Connell01.10.2021**DRAFT 1** |

**AGENDA ITEM 6: Updates from Task Teams, Action Groups, Pilot Projects, and Technical Coordinator/OceanOPS**

**AGENDA ITEM 6.8: Task Team on Moored Buoys (TT-MB)**

# SUMMARY

### This document provides a report on the Task Team Moored Buoys (TT-MB) including recommendations to the panel for approval and actions/decisions required.

### SUMMARY (Draft text for inclusion in the final report):

Mr Kenneth Connell reported on progress and activities completed during the intersessional period by the Task Team on Moored Buoys (TT-MB). The TT-MB has recently refined the terms of reference (ToR) to improve alignment with the six strategic pillars of the DBCP Strategy (2022-2027). This ToR recalibration is intended to promote moored buoy data applications in scientific research, to facilitate cooperation and information exchange among moored buoy operators, and to maximize value from data and metadata to data users.

During the intersessional period, the TT-MB continued focus on evaluating metadata limitations and improving metadata implementation in OceanOPS. An revision to the Moored Buoy Metadata template was published to include the first four Fourier directional coefficients for spectral wave observations. Continued progress on metadata implementation with focus on improving metadata accessibility remains a priority of the TT-MB. A workshop was proposed to demonstrate metadata features in OceanOPS.

A number of proposed Key Performance Indicator (KPI) metrics have been reviewed for consideration for implementation by the TT-MB. A recommendation was made for developing a KPI based on Essential Climate Variables (ECV) and Essential Ocean Variables (EOV) to offer a data value oriented KPI. One ECV/EOV-based KPI proposed for consideration was “EV Days” which might be defined as the number of daily Essential Variables (ECV + EOV) delivered per month (or per year). Further consideration should also be given for enlisted variables in the upcoming WMO Data Policy for ocean applications. No spatial density KPI for moored buoys has been agreed upon by the TT-MB, although a spatial methodology was proposed that would use the WMO regions for buoy deployment areas.

No progress was made on identifying a Moored Buoy GDAC. The TT-MB indicated that a barrier to finding a GDAC was the lack of resources to support such a center. Therefore, it was recommended that the request for a GDAC be reframed to how to resource a GDAC.

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### B. ACTIONS/DECISIONS/Recommendations:

(a) Adopt draft Recommendation*: Make recommendation on EOV/ECV-based KPI*

* *Variable-based KPI*, TT-MB, February
* Rationale: Need for Essential Variable-based KPI to demonstrate value to end users

(b) Adopt draft Action*;* *Conduct* *workshop to demonstrate metadata features in OceanOPS.*

* *Moored Buoy Metadata Workshop*, TT-MB, March
* Rationale: Need to communicate procedures and capabilities of OceanOPS MB metadata

(c) Adopt draft Decsion*;* *Reframe request for GDAC to how to resource GDAC.*

* *GDAC Resourcing*, TT-MB, August
* Rationale: Attempts to identify a GDAC have not been successful; primarily limited by available resources.

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# C. BACKGROUND INFORMATION (not to be included in the session report):

### References (if any):

1. DBCP Strategy (2022-2027) (DBCP Technical Document No. 15, 2021)

2. TT-MB Terms of Reference

3. DBCP Moored Buoy Metadata Template Version 1.3.