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| **World Meteorological Organization &****Intergovernmental Oceanographic Commission (of UNESCO)****Data Buoy Cooperation Panel Thirty Sixth Session**, Virtual Session, 05-08 October 2020 | Image result for ioc logo unesco**DBCP-36/Doc. 6.3.0** |
| Submitted by:K.J. Connell15.09.2020**DRAFT 1** |

**AGENDA ITEM 6: Updates from Task Teams, Action Groups, Working Groups and Pilot Projects**

**AGENDA ITEM 6.3: 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.

### A. INTRODUCTION/SUMMARY[[1]](#footnote-1):

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 continues to refine task team objectives to broaden impact and maximize value of the moored buoy networks and observations to the user community. Ultimately, the TT-MB serves end users by supporting an established data integration and distribution framework by facilitating cooperation and communication between platform operators and the international data buoy community.

During the intersessional period, the TT-MB implemented a renewed focus on evaluating metadata implementation in the JCOMMOPS database, identifying barriers to migrating data reporting to BUFR (template TM315008) from the legacy Traditional Alphanumeric Codes (TAC) format, and developing an actionable proposal for moored buoy BUFR transition. These efforts were fruitful and resulted a significant surge in the number of moored buoys reporting to BUFR (TM315008) to 75%. This represents a 46% increase from the 29% reported at DBCP-35. However, 75% BUFR migration still falls short of the target of 100% BUFR migration by 2020. Those moored buoy operators not issuing their data in BUFR TM315008 were identified and contacted and urged to do so at the earliest opportunity. We expect to see additional operators migrating to BUFR by end of 2020.

A number of proposed Key Performance Indicator (KPI) metric have been reviewed for consideration for implementation by the TT-MB. Proposed KPIs include several presented by the Ship Observations Team (SOT) Ad-hoc Task Team on KPI delivered at the SOT-10 meeting and by OceanSITES. No density metric for moored buoys has been agreed upon by the TT-MB.

### B. ACTIONS/DECISIONS2 REQUIRED:

(a) Adopt draft Action(Decision)[[2]](#footnote-2) [0.0.0/1](#_Draft_Decision_X.X.X(X)/1) —*Action(Decision) title;*

* What, By who, Completion deadline
* Rational

**C. RECOMMENDATIONS3 :**

(a) Adopt draft Recommendation[[3]](#footnote-3) [0.0.0/1](#_Title_of_the_1) *— Recommendation title;*

* What, To who, Timeline
* Rational

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

**Draft Actions/Decisions:**

(a) Adopt draft Action(Decision)[[4]](#footnote-4) [6.3.0/1](#_Draft_Decision_X.X.X(X)/1) —*Adopt (Decision) Time Stamp definition as documented in WIGOS document for moored buoy measurements;*

* *Time Stamp definition*, TT-MB, December
* Rational: Standardize mooring observation time stamps

(b) Adopt draft Action(Decision)[[5]](#footnote-5) [6.3.0/2](#_Draft_Decision_X.X.X(X)/1) —*Identify KPI metric based on data value and data density rather than platform density;*

* *Data value density KPI*, TT-MB, March
* Rational: Metric should be based upon data value to the users. Moored buoys are deployed at specific locations because those locations provide valuable data. Therefore, moored buoy platform density does not require the same spatial coverage that drifters provide.

**Draft Recommendations**

N/A

1. Half a page or less of Summary [↑](#footnote-ref-1)
2. An Action/Decision is an item directly related to DBCP and on which DBCP can action or decide directly. Details on rational for the action/decision should be included in the Background under Draft Actions/Decisions. [↑](#footnote-ref-2)
3. A Recommendation involves proposed action(s)on another body outside of DBCP (e.g. SOT, JCOMM, WMO, IOC, CBS etc.). Details on rational for the Recommendation should be included in the Background under Draft Recommendation. [↑](#footnote-ref-3)
4. An Action/Decision is an item directly related to DBCP and on which DBCP can action or decide directly. Details on rational for the action/decision should be included in the Background under Draft Actions/Decisions. [↑](#footnote-ref-4)
5. An Action/Decision is an item directly related to DBCP and on which DBCP can action or decide directly. Details on rational for the action/decision should be included in the Background under Draft Actions/Decisions. [↑](#footnote-ref-5)