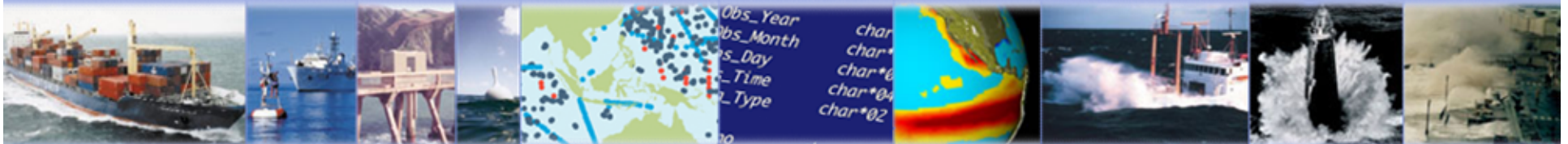




Joint WMO-IOC Technical Commission
for Oceanography and Marine Meteorology

Task Team Moored Buoys Report Out to DBCP

R. E. Jensen, (Chair), S. McArthur (vise-Chair), J. Turton
JCOMM DBCP-32
19 October 2016
La Jolla, CA



WMO



IOC/UNESCO

- BUFR and TAC (Traditional Alphanumeric Code)
 - Reported to group need to transition to BUFR
- BUFR Template Offshore Platforms
 - No action reported out
- Autonomous Surface Vehicles (ASV)
 - Test and Evaluation
 - Generation of a separate TT-ASV

- Performance Metrics for National and Coastal Networks
 - Coordinated with TC (at RMIC Nov 2015)
 - Requires review of various moored buoy data providers
- Metadata
 - Data Providers working with TC for operational platforms

TT-MB: Actions

- Action 6: Provide metadata to DBCP-TC (Completed)
- Action 16: Centers switch to BUFR template
- Action 18: Correcting time stamp data
 - DBCP Technical Document TBD clarify issues
 - Moored buoy operators to implement time stamp on BUFR
- Action 19: Instrument Standards (R. Venkatesan)
- Action 78: Agenda item:
 - Mechanism recovering off-station moored buoys
- Action 17: Develop suitable BUFR template for ASVs.
(DBCP-31)

TT-MB: Recommendations

- Rec. 15: Continued work validating BUFR template.
Work in progress
Migrating to BUFR (TC reported out)
- Rec. 16: Help coordinate evaluation of ASVs.
Working Group of ASVs under TT-MB
- Rec. 18: New BUFR template submitted to WMO IPET-DRMM for fixed platform data.
Work in progress (J. Turton / compatibility with moored buoy metadata and ship (Pub47))

TT-MB: Recommendations

- Rec. 19: Define metadata for fixed platform data
Work in progress (J. Turton / See Rec 18)
- Rec. 20: Define performance metrics
Completed / Under Review
- Rec. 22: Capture knowledge/lessons learned on use of MetOcean sensors (DBCP Tech. Report).
Template (Vandalism) submitted on yearly basis
- Rec. 23: BUFR templates for ASVs.
Work in progress will mature under WG
- Rec: 24: Establish working group within TT-MB on ASV test and evaluation.
Work in progress transition at DBCP-33

- Action 19. Oceanographic Instrument Standards
 - Provided documentation
 - Require review and updated.
 - The purpose: support the activities which involve instruments/measurement techniques of ocean observations
 - Guidelines submitted Task Team for Instrument standards can be formulated with terms of reference during the next DBCP session
- R. Venkatesan lead

TT-MB: NEW –DBCP 32

- Rec 25: BUFR continue transition move to TT-DM.
Monitor progress via TC.
- Rec 26: Lessons Learned Instrumentation / Practices
Develop template (modified from Vandalism)
submitted by TT-MB to TC (from Rec. 22)
- Rec 27: Acknowledge other autonomous vehicles
Air and ocean (DBCP-32 S&T Workshop)
- Rec 28: Metadata
 - Modify existing template to include sensor /
payload-analysis packages version control
 - Expand to capture historical information (work
with TC)

TT-MB: NEW –DBCP 32

- Rec 29: Investigation / Identification of New Technologies
 - Require test and evaluation protocols
 - Procedures to be established from test to operations
 - Rec 30: Oceanographic Instrument Standards (Action 19)
 - Guidelines submitted Task Team for Instrument standards can be formulated with terms of reference during the next DBCP session
- R. Venkatesan lead