



jcommops



jcomm IN-SITU OBSERVING PLATFORM SUPPORT CENTRE



# SOT Task Team on Coding

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JCOMMOPS

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# Terms of Reference

1. Compile table driven coding requirements for ship based observations, for all relevant applications, and submit them in a consolidated way to the DMPA Task Team on Table Driven Codes
2. In collaboration with ocean forecasting system operators (GODAE) including ecosystem modelers, and other appropriate user communities, establish a core set of ship based bio-geo-chemical variable definitions for the BUFR Master Table No. 10 (MT10)
3. Review and revise the draft MT10 BUFR code table
4. Review all relevant JCOMM Publications to make sure they are kept up to date and comply with Quality Management terminology,
5. Report to SOT-V.



# Status of BUFR templates

- **VOS** (two versions active) - currently being reviewed to add capture all information accurately and capture additional metadata
- **XBT** – Reviewed in 2008-09, nearly completed, additional metadata
- **TSG** – being tested at AOML
  
- Other Ocean Related templates:  
Argo (active), BUOY (active), WAVEOB (under review), ASAP (no progress), XCTD (needs to be reviewed), SEALEVEL/DART (new)

# JCOMM Task Team on Table Driven Codes

JCOMM - The cross cutting Task Team on Table Driven Codes - Mozilla Firefox

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http://www.jcomm.info/index.php?option=com\_content&task=view&id=66&Itemid=0

JCOMM - The cross cutting Task ...

The Joint WMO-IOC Technical Commission for Oceanography and Marine Meteorology

Calendar People & Teams Publications organization chart

## The cross cutting Task Team on Table Driven Codes

### Terms of Reference

**Objectives:**

1. Collect and compile requirements from the JCOMM Panels and Expert Teams and submit them to the CBS Expert Team on Data Representation and Codes (ET-DRC) (one Member of the Group to attend the ET-DRC Meetings);
2. To make BUFR Master Table 10 (MT10) compliant with the WMO Rules;
3. Defining a mechanism for updating and maintaining the MT10 on behalf of the JCOMM in compliance with rules defined by the CBS ET-DRC. Coastal variables and bio-chemical data will have to be included;
4. Look at templates and suggest how to standardize content.

**General Membership:**

- DMCG Chairperson (lead)
- Metadata expert
- Technical Coordinator of the DBCP
- WIS expert
- IODE expert
- ETMC expert
- SOT expert(s)
- E2E expert
- WMO Secretariat representative

**Current Membership** can be found [here](#).

**Related Documents** can be found [here](#).

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Done

# Metadata requirements for XBT

- Discussions held after the SOOP XBT fall-rate equation workshop in March 2008.
- Extracted XBT only for BUFR template (XCTD will be separate)
- Documented the additional metadata to send in real-time to GTS e.g.
  - Instrument, Launcher, recorder type and software versions
  - Manufacture/Batch date
  - SOOP Line no.
  - Unique identifier...

# Metadata requirements for VOS

- Requirements have been fully documented.
- Two different templates currently
- Meeting on Sunday before SOT-V to clarify the current status
  - review the first template to ensure it contains all elements of the FM-13 message + 6 VOSClm elements
  - Work with the JCOMM Task Team on Table Driven Codes
  - Recommendation to include the original FM-13 message or original data as an attachment to BUFR data flows.

# Progress for XBT BUFR template

- A new version of the template presented to WMO (CBS Expert Team on Codes) in September 2008
- Revisions needed
- Currently being reviewed by the JCOMM Task Team on Codes.
- Approval sought from SOT for the template
  - some questions need to be answered e.g.
    - Should we report height of XBT launcher above Sea Level or Deck?
    - XBT Serial Number length (currently 8)
    - Level of detail in reporting Current
- If approved, can be presented again to the WMO (CBS Expert Team on Codes) in the next month or so.



# Managing BUFR Templates

- Requirements for SOT related BUFR templates should be compiled by the SOT Task Team on Coding members.
- All requests for changes to Templates should be done through
  - JCOMMOPS and
  - the JCOMM Task Team on Table Driven Codes
- They will take the requests to the WMO/CBS Expert Team on Data Representation and Codes



# Master Table 10

- The Master Table 10 pertains to the representation of oceanographic information in BUFR.
- The IOC is responsible for the maintenance of this table.
- JCOMMOPS reviewed the structure last year to ensure it fit with the rules set out by WMO.
- The JCOMM Task Team on Task Team on Table Driven Codes will review it in 2009
  - This will be fed back to SOT

# Future of the Task Team

- Requirements for XCTD, ASAP (TEMPSHIP) and Thermosalinograph (TRACKOB) data need to be compiled by SOT
- Chair will not continue
- Decision on whether the Task Team should be reformed
  - advise on requirements for SOT BUFR Templates, to present to the JCOMM Task Team on Table Driven Code Forms.