



SOT Task Team on Coding

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Terms of Reference



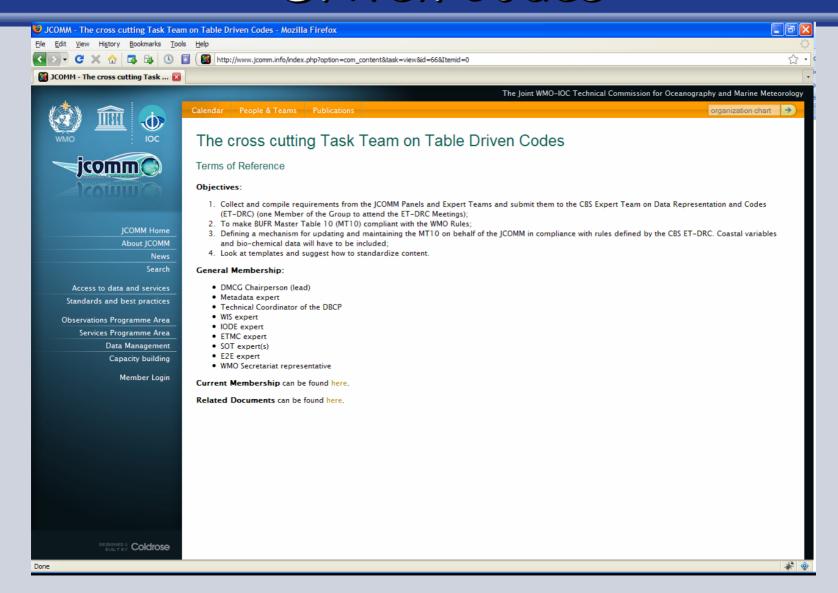
- 1. Compile table driven coding requirements for ship based observations, for all relevant applications, and submit them in a consolidated way to the DMPA Task Team on Table Driven Codes
- 2. In collaboration with ocean forecasting system operators (GODAE) including ecosystem modelers, and other appropriate user communities, establish a core set of ship based bio-geochemical 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







Metadata requirements for XBT

- Discussions held after the SOOP XBT fallrate 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 VOSClim 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.