

**JOINT WMO-IOC TECHNICAL COMMISSION
FOR OCEANOGRAPHY AND MARINE
METEOROLOGY (JCOMM)**

JCOMM-4/Doc. 7.1
Submitted by: WMO Secretary-General
and UNESCO/IOC
Executive Secretary

FOURTH SESSION

Yeosu, Republic of Korea,
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**JCOMM DATA MANAGEMENT PROGRAMME AREA: STANDARD
SETTING AND DOCUMENTATION**

SUMMARY

ISSUES TO BE DISCUSSED:

1. Ocean Data Standards Process
2. JCOMM Catalogue of best practices and standards

DECISIONS/ACTIONS REQUIRED:

The Commission is requested to:

- (a) Request the Members/Member States:
 - to participate actively in submitting standard proposal through the Ocean Data Standards (ODS) process;
 - to participate in identifying standard proposal for submission through the ODS process for wide community adoption
- (b) Encourage Members/Member States:
 - to participate actively in reviewing the candidate standards;
- (c) Request the DMPA to:
 - to follow-up on the implementation of the recommended standards by Members/Member States;
- (d) Approve the draft text for inclusion in the general summary of JCOMM-4 given in the Appendix ;

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APPENDIX: DRAFT TEXT FOR INCLUSION IN THE GENERAL SUMMARY OF JCOMM-4

7.1 STANDARD SETTING AND DOCUMENTATION (*agenda item 7.1*)

7.1.1 The Commission recalled the priority activities for the JCOMM/IODE Ocean Data Standards (ODS) Pilot project during the last intersessional period as decided by JCOMM-III, and noted with appreciation the following achievements.

7.1.2 Regarding JCOMM-III priority (i), Development of Data Management Standards which recommends Members/Member States to submit their proposals to the JCOMM-IODE Ocean Data Standards Pilot Project for wide community adoption: The ODS Task Team received standards submissions on Country codes from National Oceanographic Data Center, NOAA, USA and World Data Center for Oceanography, USA. The Commission noted that the date and time proposal was submitted by the IODE Committee Co-chair (Greg Reed, Australia); the Common Data Index (CDI) metadata profile was submitted by the SeaDataNet Technical Task Team, while the quality flag scheme was submitted by the IODE Group of Experts on Biological and Chemical Data Management and Exchange Practices (GE-BICH). In particular, two standards have been published through the JCOMM/IODE Ocean Data Standards (ODS¹) process (date/time, and country codes), CDI metadata profile was returned to the authors for revision while QC flags scheme is in the community review process under further revision.

7.1.3 The Commission noted with concern that the process of receiving recommended standards from Member States has been very slow. The Commission stressed the importance of standards for all aspects of JCOMM's work and in particular to ensure interoperability arrangements between data systems such as the Ocean Data Portal (ODP) and the WMO Information System (WIS), and emphasized that the success of this process is highly dependent on active participation of all WMO/IOC Members/Member States, programmes and related organizations through submitting suitable standards for consideration. The Commission therefore requested Members/Member States to participate actively in submitting standard proposals through the ODS process.

7.1.4 Noting that additional standards have been identified for submission (i.e. Latitude, Longitude and Altitude (based on ISO 6709), Units (based on the International System, SI), Platform Types, Geo area (International Hydrographic Bureau, IHB), Instrument Types, Parameters, Institutions, and Cyclic Redundant checks (CRC)), the Commission requested Members/Member States to participate in identifying standard proposals for submission through the ODS process for wide community adoption. The Commission also encouraged Members/Member States to participate actively in reviewing the candidate standards.

7.1.5 Regarding JCOMM-III priority (ii), Development of Data Management Standards, which recommends Members/Member States to implement the recommended standards in agencies in their own countries at the earliest possible date, the Commission requested the DMPA to follow-up on the implementation of the recommended standards by Members/Member States.

¹ : <http://www.oceandatastandards.org/>

REFERENCES FOR DOC. 7.1 (Not to be included in the final Meeting Report):

1. Abridged Final Report with Resolutions of the Sixteenth World Meteorological Congress (WMO-No. 1077), paragraphs 2.5.19 – 2.5.21, 3.1.1.4, 3.5.3.7, 11.4.5, and Resolution 24
2. Abridged Final Reports with Resolutions of the Sixty-second (WMO-No. 1059), paragraphs 2.5.5-2.5.7, 3.5.2.11, 4.2.46-4.2.50, and Resolution 4, and Sixty-third Sessions (WMO-No. 1078) of the WMO Executive Council
3. Abridged Final Report with Resolutions and Recommendations of the First (WMO-No. 931), Second (WMO-No. 995) and Third (WMO-No. 1049) Sessions of JCOMM
http://www.jcomm.info/index.php?option=com_oe&task=viewDoclistRecord&doclistID=112
4. Summary Report of the Forty-third (IOC/EC-XLIII) Session of the UNESCO/IOC Executive Council
5. Summary Report of the Twenty-sixth (IOC-XXVI) Session of the UNESCO/IOC Assembly
6. Final Reports of the Eighth (JCOMM/MR-No.83) and Ninth (JCOMM/MR-No. 88) Sessions of the JCOMM Management Committee
http://www.jcomm.info/index.php?option=com_oe&task=viewDocumentRecord&docID=6397
http://www.jcomm.info/index.php?option=com_oe&task=viewDocumentRecord&docID=7803
7. Summary Report of the Twenty-first Session of the IOC Committee on International Oceanographic Data and Information Exchange (IODE-XXI)
http://www.iode.org/index.php?option=com_oe&task=viewDocumentRecord&docID=7203
8. Final Report of the fourth Session of the Data Management Coordination Group (JCOMM/MR-No. 71)
http://www.jcomm.info/index.php?option=com_oe&task=viewDocumentRecord&docID=5531
9. Final Report of the second Session of the JCOMM-IODE Expert Team on Data Management Practices (JCOMM/MR-No. 72)
http://www.jcomm.info/index.php?option=com_oe&task=viewDocumentRecord&docID=6002
10. JCOMM Data Management Plan (JCOMM/TR-No. 40, Rev. 1)
http://www.jcomm.info/index.php?option=com_oe&task=viewDocumentRecord&docID=2877
11. Pilot Project for the integration of marine meteorological and other appropriate oceanographic observations into the WMO observing system (WIGOS) (WIGOS Pilot Project V – JCOMM Pilot Project for WIGOS) – Project Report (WMO/TD-No. 1515 – 2011 – JCOMM Technical Report No. 48)
http://www.jcomm.info/index.php?option=com_oe&task=viewDocumentRecord&docID=6698
12. **JCOMM-4/BM. 7.1:** The Ocean Data Standards process