WMO Pub 47

PMO-IV and Support to Global Ocean Observations using Ship Logistics
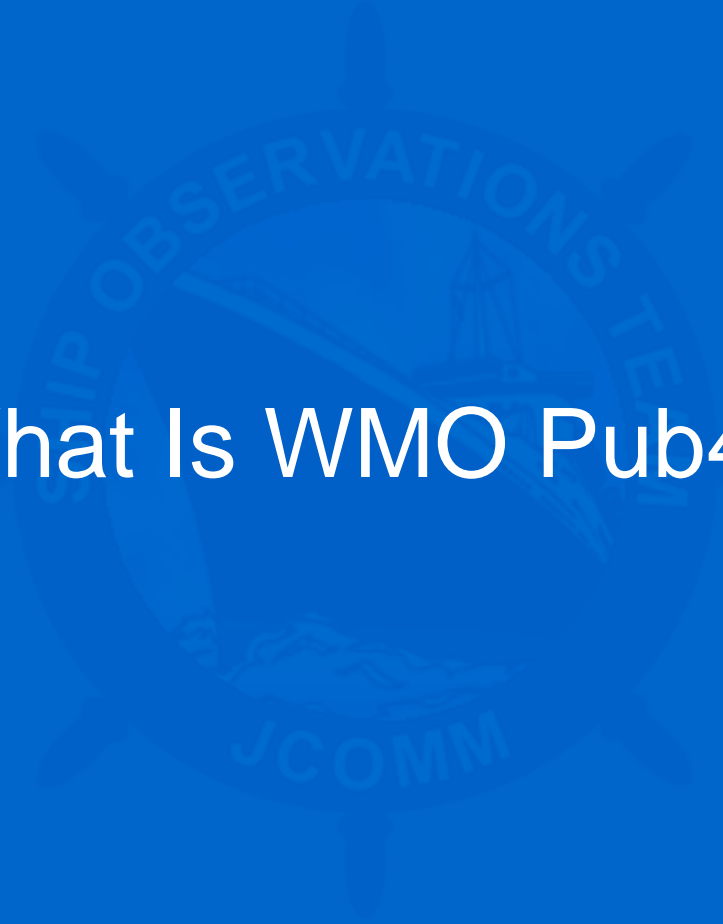8-10 December 2010, Orlando, FL, USA

Graeme Ball
Chair SOT

Outline

- What is WMO Pub47

- Recent Changes

- Availability of VOS Lists

- VOS Metadata Tools

What Is WMO Pub47

WMO Publication No. 47

- International list of Voluntary Observing Ships

- Metadata fields and descriptions and related Code Tables

- Exchange Formats
  - » XML
  - » CSV

- SOT TT on Metadata for WMO Pub47 proposes changes:
  - » Additions/deletions to codes tables only needs SOT approval.
  - » Structural changes require SOT and JCOMM approval.

Recent Changes

Recent Changes

- VOS Classes
  - » New VOSClim class – VOSClim project discontinued.
  - » New AWS Classes: Sel AWS, VOSClim AWS, Sup AWS, Aux AWS.

- Location of the Barometer
  - » CR (Chartroom) deleted in favour of WH (Wheelhouse).

- Exposure of the hygrometer/thermometer
  - » SL (Sling) deleted.
  - » W (Whirling) renamed to Whirling or Sling psychrometer.

- Revised Vessel Digital Image requirements.

Pub47 Submission Schedule

- Required Schedule
  - » Quarterly, at the end of December, March, June and September.
    - » submitted by 15th January, 15th April, 15th July, 15th October.
  - » Email to pub47@wmo.int → WMO / E-Surfmar / JCOMMOPS.

- Desired Schedule
  - » Monthly.

WMO-No. 47

International list of Selected, Supplementary and Auxiliary ships

Metadata fields & descriptions, exchange formats and code tables

Metadata Format Version 03

Prepared for the World Meteorological Organization by the
JCOMM Ship Observations Team

(Effective from 1 July 2007)

Availability of VOS Lists

Availability

- Official list of VOS on WMO website – (last updated 2008)
  - » http://www.wmo.int/pages/prog/www/ois/pub47/pub47-home.htm

- E-Surfmar VOS Metadata Database – (operational)
  - » http://esurfmar.meteo.fr/doc/vosmetadata/index.php

VOS Metadata Tools

- ## VOSP002 − VOS Recruitment Form
  - » Collects contact information about owner, agent & ship.
  - » Collects complete details about instrumentation, including Pub47.

- ## VOSP002 Viewer
  - » Views the data extracted from the current VOSP002 form to compare against the previous form to identify changes.
  - » Creates a Pub47 record for the companion Pub47 XML Generator.
  - » Creates a CSV file for the E-Surfmar VOS Metadata Database.

- ## Pub47 XML Generator
  - » Create a national Pub47 XML file for submission to WMO.

VOS Metadata Tools Demonstration

- [VOSP002](#)

- [VOSP002 Viewer](#)

- [Pub47 XML Generator](#)

SHIP OBSERVATIONS TEAM

JCOMM