

WORLD METEOROLOGICAL ORGANIZATION

INTERGOVERNMENTAL OCEANOGRAPHIC
COMMISSION (OF UNESCO)

JOINT WMO/IOC TECHNICAL COMMISSION FOR
OCEANOGRAPHY AND MARINE METEOROLOGY
(JCOMM)
SHIP OBSERVATIONS TEAM

SOT-IV/Doc. I-1.2(1)
(26.I.2007)

FOURTH SESSION

ITEM I-1.2

GENEVA, SWITZERLAND, 16 TO 21 APRIL 2007

Original: ENGLISH

PROVISIONAL AGENDA

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Session I – SOT-IV Common Session 1

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I. SOT-IV

1. ORGANIZATION OF THE SESSION

- 1.1 Opening of the Session
- 1.2 Adoption of the Agenda
- 1.3 Working Arrangements

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Session II – Scientific and Technical Workshop

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II. SOT-IV Scientific and Technical Workshop, New Developments

- 1. Report on VOS Climate Project (VOSCLim) data
- 2. Devil XBT Acquisition System update
- 3. Report on XBT Recorder Inter-comparisons
- 4. Quality Control (QC) of delayed-mode XBT data using MQuest
- 5. TurboWin electronic logbook enhancement and development
- 6. Demonstration of NOAA/NWS VOS database of ship and equipment metadata
- 7. Demonstration of DWD VOS database of ship and equipment metadata
- 8. BlueLINK - Ocean Forecasting Australia

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Session III – National Reports

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III. National Reports

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Session I – SOT-IV Common Session 2
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I. SOT-IV (Common Session 2)

2. REPORTS BY THE SECRETARIAT, OPA COORDINATOR, CHAIRPERSON OF SOT AND THE SOT TECHNICAL COORDINATOR

- 2.1 Report by the Secretariat
- 2.2 Report by the Observations Programme Area Coordinator
- 2.3 Report by the Chairperson of SOT
- 2.4 Review of Action Items from SOT-III
- 2.5 Report by the SOT Technical Coordinator

3. REPORTS ON ASSOCIATED PROGRAMMES AND REQUIREMENTS FOR SHIP-BASED OBSERVATIONS

- 3.1 Requirements for ship-based observations
 - 3.1.1 GCOS/GOOS/WCRP Ocean Observing Panel for Climate (OOPC)
 - 3.1.2 Use of VOS data in climate products
- 3.2 Reports by associated programmes
 - 3.2.1 International Ocean Carbon Coordination Project (IOCCP)
 - 3.2.2 Shipboard Automated Meteorological and Oceanographic System Project (SAMOS)
 - 3.2.3 GODAE High Resolution SST Pilot Project (GHRSSST)
 - 3.2.4 Ferrybox Project
 - 3.2.5 SeaKeepers Society
 - 3.2.6 Alliance for Coastal Technologies (ACT)
 - 3.2.7 Proposed SCOR Panel on Merchant Marine Instrumented Oceanographic Surveys

4. REPORTS AND RECOMMENDATIONS BY TASK TEAMS

- 4.1 Task Team on VOS Recruitment and Programme Promotion
- 4.2 Task Team on Satellite Communication System Costs
- 4.3 Task Team on Metadata for WMO-No. 47.
- 4.4 Task Team on VOSClim
- 4.5 Task Team on Coding
- 4.6 Task Team on Instrument Standards

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Session IV – VOS Panel
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IV. VOSP-V

1. PROGRAMME REVIEW

- 1.1 Report by the Chairperson of the VOSP
- 1.2 Review of Action Items from the VOSP-IV

2. PROGRAMME IMPLEMENTATION

- 2.1 VOS automation and electronic logbook software
 - 2.1.1 Status of VOS automation
 - 2.1.2 VOS E-logbook software development

- 2.2 Report on the E-SURFMAR VOS Technical Advisory Group (VOS-TAG)
- 2.3 Port Meteorological Officers (PMO)
 - 2.3.1 Review of Port Meteorological Officers role and responsibilities
 - 2.3.2 Report and recommendations from PMO-III
- 2.4 Ship monitoring
 - 2.4.1 VOS quality monitoring tools
 - 2.4.2 Dirkzwager vessel tracking tool

3. MONITORING AND DATA MANAGEMENT

- 3.1 Regional Specialized Meteorological Centre (RSMC), Exeter, VOS monitoring report
- 3.2 Real-Time Monitoring Centre (RTMC) for the VOSCLim project monitoring report
- 3.3 Global Collecting Centres (GCC) report on the VOS & VOSCLim
- 3.4 VOSCLim Data Assembly Centre (DAC) report
- 3.5 Review of the Marine Climatological Summaries Scheme (MCSS)
- 3.6 Implementing a VOS Database for tracking ship and equipment metadata

4. ISSUES FOR THE VOS

- 4.1 Industry concerns regarding the transmission of meteorological data from ships
 - 4.1.1 Report from the fifty-eighth session of the WMO Executive Council
 - 4.1.2 Implementation of masked call signs
- 4.2 Impact of national regulations on VOS operations
- 4.3 Multiple ship recruitment
- 4.4 European Union's restriction on the use and transportation of Mercury
- 4.5 VOS communication problems and errors

5. FUTURE WORK PROGRAMME AND IMPLEMENTATION ISSUES

- 5.1 Partnerships and the integration of other programmes with the VOS
- 5.2 Action items

6. ORGANIZATIONAL MATTERS

- 6.1 Review the Terms of Reference of the VOSP

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Session V – SOOP Implementation Panel

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V. SOOPIP-VII

1. PROGRAMME REVIEW

- 1.1 Report by the Chairperson of the SOOPIP
- 1.2 Review of Action Items from the SOOPIP-VI

2. PROGRAMME IMPLEMENTATION

- 2.1 Status of the current sampling programme
- 2.2 JCOMM/SOT pool of XBT probes
- 2.3 Review of the XBT line responsibilities
- 2.4 Operational XBT systems and development
- 2.5 Report on IOGOOS/JCOMM Western Indian Ocean XBT Training Workshop
- 2.6 Report on the Argo Pilot Project

3. MONITORING AND DATA MANAGEMENT

- 3.1 JCOMM *in situ* Observing Platform Support Centre (JCOMMOPS) report
 - 3.1.1 Review of the 2006 Semestrial Survey
 - 3.1.2 Timely submission of data for SOOP Semestrial Reports
 - 3.1.3 Improving the ease of upload to JCOMMOPS database
- 3.2 SOOP database of ship and equipment metadata
- 3.3 Monitoring Centre reports
 - 3.3.1 Global Temperature and Salinity Profile Programme (GTSP)
 - 3.3.2 Global Ocean Surface Underway Data Pilot Project (GOSUD)

4. ISSUES FOR THE SOOP

- 4.1 Future global requirements
- 4.2 Observing other ocean variables

5. FUTURE WORK PROGRAMME AND IMPLEMENTATION ISSUES

- 5.1 Partnerships and the integration of other programmes with the SOOP
- 5.2 Action items

6. ORGANIZATIONAL MATTERS

- 6.1 Review the Terms of Reference of the SOOIP
- 6.2 Review the membership of the SOOIP

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Session VI – ASAP Panel
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VI. ASAPP-XVI

1. PROGRAMME REVIEW

- 1.1 Report by the Chairperson of the ASAPP
- 1.2 Review of Action Items from the ASAPP-XV

2. PROGRAMME IMPLEMENTATION

- 2.1 Report on the EUMETNET ASAP (E-ASAP)
- 2.2 Report on the Worldwide Recurring ASAP Project (WRAP)

3. MONITORING AND DATA MANAGEMENT

- 3.1 Monitoring reports
 - 3.1.1 Monitoring activities of ECMWF in support of the ASAP
 - 3.1.2 Report by the ASAP Monitoring Centre

4. ISSUES FOR THE ASAP

- 4.1 Ship recruitment
- 4.2 Satellite transmission difficulties
- 4.3 Improvement of data quality
- 4.4 ASAP routes
- 4.5 Costs

5. FUTURE WORK PROGRAMME

5.1 Action items

6. ORGANIZATIONAL MATTERS

- 6.1 Future of the ASAPP
- 6.2 Review the Terms of Reference of the ASAPP
- 6.3 Review the membership of the ASAPP
- 6.4 ASAP Trust Fund

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Session I – SOT-IV Common Session 3
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I. SOT-IV (Common Session 3)

5. SUPPORT INFRASTRUCTURE

- 5.1 JCOMM in-situ Observing Platform Support Centre (JCOMMOPS)
 - 5.1.1 JCOMM OCG round-table review of the future of JCOMMOPS
 - 5.1.2 JCOMMOPS portal for WMO Publication No. 47
- 5.2 Telecommunication facilities
 - 5.2.1 Inmarsat
 - 5.2.2 EUMETSAT
 - 5.2.3 Argos
 - 5.2.4 Review of other satellite data telecommunication systems
- 5.3 WMO Information System (WIS) and GTS issues

6. PROGRAMME OPERATIONS AND DEVELOPMENT

- 6.1 Data standards
- 6.2 Data management
 - 6.2.1 META-T Pilot Project
 - 6.2.2 Coding issues: BUFR templates for VOS/VOSClm, XBT/XCTD, META-T
- 6.3 Quality Management and Best Practices

7. PROGRAMME PROMOTION, CAPACITY BUILDING AND INFORMATION EXCHANGE

- 7.1 SOT Annual Report
- 7.2 Websites
- 7.3 Focal Point mailing lists
- 7.4 Certificates to ships participating in SOT
- 7.5 Publications and brochures
- 7.6 Capacity Building

8. ORGANIZATIONAL MATTERS

- 8.1 Review of the SOT Management Team
- 8.2 Selection process of new DBCP/SOT Technical Coordinator
- 8.3 Review the role of the SOT Technical Coordinator
- 8.4 Review the funding of the SOT Technical Coordinator
- 8.5 Ship Consumables Trust Fund
- 8.6 Review the Terms of Reference of the SOT

9. NEXT SESSION OF THE SOT

10. **REVIEW OF THE SOT-IV SESSION REPORT, ACTION ITEMS AND RECOMMENDATIONS**
11. **CLOSURE**
