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| **World Meteorological Organization**  **JOINT WMO/IOC TECHNICAL COMMISSION FOR OCEANOGRAPHY AND MARINE METEOROLOGY (JCOMM)**  **EXPERT TEAM ON SEA ICE (ETSI)**  **Seventh Session**  Geneva, 13 May to 15 May 2019 | **Intergovernmental Oceanographic Commission (of UNESCO)**  **ETSI-7/Doc. 1.1**  Submitted by: Secretariat, ETSI  29.IV.2019  **DRAFT** |

Venue: 6L, WMO Secretariat

**PROVISIONAL TIMETABLE**

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| **Time** | **Subject** | **Responsible** | **Comments** |
|  | **13 May** | | |
| 0900-0920 | **1. Opening of the meeting** | | |
| 0900-0910 | 1.1 Opening | Chair, Secretariat | Welcome from ETSI chair and WMO Secretariat and meeting objectives |
| 0910-0915 | 1.2 Adoption of the agenda | Chair |  |
| 0915-0920 | 1.3 Working arrangements | Secretariat |  |
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| 0920-1100 | **2. WMO Updates** |  |  |
| 0920-0940 | 2.1 Report of the ETSI chair | Chair | Report of the JCOMM ETSI chair including review of Action Items from ETSI-6 |
| 0940-1010 | 2.2 WMO Reform and future of JCOMM | Secretariat | Information on the proposed WMO reform and activity of the Joint WMO-IOC Consultation Group on the Reform of JCOMM (JCG) |
| 1010-1030 | 2.3 WMO Executive Council Polar and High Mountain Research and Services (EC-PHORS) | Secretariat | Information on the EC-PHORS activity and role in the future WMO structure |
| 1030-1045 | **Refreshment break** | | |
| 1045-1115 | 2.4 WMO Congress – relevant documents | Secretariat | Introduction to WMO Congress documents relevant to ETSI |
| 1115-1800 | **3. Review of sea ice guidance documents and other related documentation** | | |
| 1115-1230 | 3.1 Sea ice best practices from the members | Members | 5 slides from each of the members to show status (AR,CA,DK,FI,GE,JP,NO,RU,US) |
| 1230-1400 | **Lunch** | | |
| 1400-1430 | 3.2 Sea-Ice information services in the World (WMO-No.574) | VS, CP, Secretariat | Review of the 2019 edition and proposals for further updates |
| 1430-1530 | 3.3 WMO Sea Ice Nomenclature vol. 1, 2 and 3 (WMO-No.259) | VS, members | Status, proposed and perspective updates for each of the volumes:  Vol.1 Terminology (20’)  Vol.2 Illustrated Glossary (20’)  Vol.3 Symbology (20’) |
| 1530-1545 | **Refreshment break** | | |
| 1545-1610 | 3.4 SIGRID-3 (JCOMM-TR-023) | NH, members | - status and updates  - uncertainties  - value-added fields |
| 1610-1630 | 3.5 Ice chart colour standard (JCOMM-TR-024) | KQ, members | - status and updates  - icebergs  - other parameters |
| 1630-1800 | 3.6 Ice information in ENC/ECDIS: Ice Objects Catalogue, S-411, S-412 and S-100 | JH, VS, members | - status and updates  - styling in GIS  - S-412 and S-100  - software  - implementations |
|  | **14 May** | | |
| 0900-1030 | **4. Sea-ice capacity building** | | |
| 0900-0930 | 4.1 Ice Analysts Competency | SW | Review of Ice Analysts Competency document from the IICWG |
| 0930-1000 | 4.2 Ice analysis and forecast resources | AS, NH, members | - GIS software  - iceberg modelling  - ice forecasting software |
| 1000-1030 | 4.3 Training in sea ice analysis | CP, members | Training cources and resources |
| 1030-1045 | **Refreshment break** | | |
| 1045-1230 | **5. Polar code implementation** | | |
| 1045-1115 | 5.1 National practices in risk assessments | Members | Discussion on national practices in risk assessment in polar waters |
| 1115-1200 | 5.2 White paper on Polar Code Implementation | KQ, members, Secretariat | Discussion on WP on Polar Code implementation for the WMO |
| 1200-1500 | **6. GMDSS implementation in Polar regions** | | |
| 1200-1230 | 6.1 National practices for polar METAREAs | Members for METAREAS I, IV, XII, XIII, XVII-XXI | 3 slides (5’) from each of the 6 members to show status of coastal and high seas GMDSS (NO, CA, DK, US, RU, AR)  - structure of service, collaboration with NAVAREA, METAREA and subregions schemas, names  - parameters, coding, sample SafetyNET and NAVTEX bull  - promulgation technique, APIs if any, feedback, validation |
| 1230-1400 | **Lunch** | | |
| 1400-1430 | 6.2 Updates on GMDSS guides and manuals &WMO/IHO/IMO joint activities | Secretariat | Updates on WMO and WMO/IHO/IMO guidelines on MSI  - WMO 558, 471  - Revised SafetyNET manual  - SafetyCast manual  - WMO/IHO/IMO joint activities and workshops |
| 1430-1500 | 6.3 New techniques for promulgation of GMDSS information | Members, Secretariat | Open discussion on capabilities of the new techniques:  - SafetyNET-2  - SafetyCAST |
| 1500-1700 | **7. Sea Ice information systems** | | |
| 1500-1530 | 7.1 Sea ice operational portals | Chair, Members | Discussion on capabilities and restrictions (formal/informal) of existing portals:  - Ice Logistics portal  - Polarview  - Southern Ocean portal  - Copernicus  - WMO WIS |
| 1530-1545 | **Refreshment break** | | |
| 1545-1615 | 7.2 Connection to JCOMM ETOOFS | ETOOFS Chair | Presentation (video link) on ice products from ETOOFS side |
| 1615-1700 | 7.3 Sea ice climatology | VS, NH, JH members | - NSIDC  - GDSIDB  - Copernicus Climate Service |
| 1900- | **No host dinner** | | |

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|  | **15 May** | | |
| 0900-1030 | **8. Interaction with WMO programmes** | | |
| 0900-0930 | 8.1 Global Cryosphere Watch | GCW office, Chair | Discussion on the best way to collaborate with GCW  - terminology team  - integrated products  - CryoNET  - ice intercomoarison project |
| 0930-1000 | 8.2 Polar Regional Climate Center (PRCC) | Chair, WCP | - 3rd Pan-Arctic Climate Outlook Forum (PARCOF3)  - interaction with ArcRCC-N  - future AntRCC-N |
| 1000-1030 | 8.3 International Ice Charting Working Group (IICWG) | Members | Discussion on interaction with IICWG |
| 1030-1045 | **Refreshment break** | | |
| 1045-1115 | 8.4 Sea Ice Services in the new WMO Structure | Members, Secretariat | Open discussion on connections with SFSPA ET and the Team’s place inside the new WMO structure |
| 1115-1130 | **9 Other partners** | Secretariat |  |
| 1130-1200 | **10 Other issues** | Secretariat |  |
| 1200-1300 | **Lunch** |  |  |
| 1300-1400 | **11 Review of action items** | Secretariat, Chair | Review and adoption of action items |
| 1400 | **12 Closure of the session** |  |  |

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