

WORLD METEOROLOGICAL ORGANIZATION

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COMMISSION FOR BASIC SYSTEMS
OPEN PROGRAMMME AREA GROUP ON
INTEGRATED OBSERVING SYSTEMS

ITEM: 1.2

**IMPLEMENTATION-COORDINATION TEAM ON
INTEGRATED OBSERVING SYSTEM
(ICT-IOS)**
Eighth Session

Original: ENGLISH

GENEVA, SWITZERLAND, 7 – 10 APRIL 2014

PROVISIONAL ANNOTATED AGENDA

(Submitted by the Secretariat)

1. ORGANIZATION OF THE SESSION

1.1 Opening of the meeting

The eighth session of the CBS Implementation/Coordination Team on Integrated Observing Systems (ICT/IOS) will open at 09.00 hours on Monday, 7 April 2014 at the WMO Secretariat in Geneva, Switzerland.

1.2 Adoption of the agenda

The provisional agenda, as contained in CBS/OPAG-IOS/ICT/IOS8 Doc.1.2(1), will be submitted for adoption. The order of the items may be modified and additional items may be introduced if necessary.

1.3 Working arrangements

The work of the meeting will be conducted in one committee; however subgroups may be established as required to consider specific problems. The session and documentation will be in English only. The pre-meeting documents are to be posted on the WMO Server at www.wmo.int/pages/prog/www/BAS/CBS-meetings.html. The session will decide on other arrangements, such as its working hours.

2. REPORT OF THE CHAIRMAN

The chair of the OPAG-IOS will summarize the activities of the OPAG since the seventh Session of the ICT-IOS in June 2012 including, feedback from the CBS-15 Session in Jakarta, Indonesia, September 2012, and recommendation on how to better respond to WIGOS and other WMO high priorities requirements

3. WMO INTEGRATED GLOBAL OBSERVING SYSTEM (WIGOS)

The meeting will be briefed on a status of implementation of WIGOS, including WIGOS Framework Implementation Plan and its Key Activity Areas, and guidance from the Inter Commission Coordination Group on the WIGOS (ICG-WIGOS).

The chairpersons of the OPAG-IOS Expert Teams will inform the meeting on present and future activities of their teams in support of WIGOS implementation. The Team will discuss the role that the ICT-IOS and OPAG-IOS Expert Teams should be playing in WIGOS Framework Implementation phase with regard to the integration of the core observing systems of WMO, i.e. the Global Observing System (GOS), the Global Atmosphere Watch (GAW), the observing component of the Global Cryosphere Watch (GCW), and the WMO Hydrological Observing System (WHOS). The meeting will particularly consider how specific components such weather radars, and surface- and space-based atmospheric chemical observations shall become operational and particularly address the requirements for climate services and air quality services.

The ICT-IOS may then wish to provide feedback and recommendations to the ICG-WIGOS.

In addition, the meeting will discuss what Expert Team or Group should be responsible for overseeing the functional specifications, and development of the Observing System Capability Analysis and Review Tool (OSCAR), and discuss what observing platform metadata OSCAR should eventually hold, and what metadata should be archived and where. Proposal on OSCAR should then be made by the ICT-IOS to the CBS and ICG-WIGOS.

Finally under this agenda item, the meeting will discuss a proposal for WIGOS Observing Station Identifiers, and will particularly address the political implications of that proposal.

4. STATUS OF THE SURFACE BASED COMPONENT OF THE GOS

The meeting will be informed on the status of the surface-based component of the GOS, namely RBSN, RBCN, GCOS surface (GSN) and upper-air (GUAN) networks, as well as on the status of the Marine and Oceanographic observing systems, and Cryonet of the GCW. Written reports from Regions will be considered. Pertinent issues related to the implementation of the surface-based component will be brought to the attention of the meeting. The meeting may wish to consider possible changes to the networks composition criteria and provide the advice on how to design regional networks to better respond WIGOS needs. The meeting may advise on quantity and quality monitoring of the GOS, performance criteria and presentation of performance reports. The meeting will discuss coordination of activities between OPAG-IOS and GCOS to improve quality and availability of climatological data. The meeting will also review the status of (i) the CBS Lead Centres for GCOS, and (ii) the implementation of

GCOS Reference Upper-Air Network. The Team will then be informed on the status of Polar Observations, namely the Antarctic Observing Network (AntON) of surface and upper air observations, and WMO Global Cryosphere Watch development.

5. STATUS OF THE SPACE-BASED COMPONENT OF THE GOS

The meeting will be informed of the status of the operational and research Space-based component of the GOS as well as latest development of the Global satellite intercalibration, and of any issues that need to be resolved such as satellite data accessibility.

6. REPORTS OF THE OPAG-IOS EXPERT TEAMS and Rapporteurs

The Chairpersons of the CBS-IOS Expert Teams will report on progress attained by each Expert Team, namely: (a) Achievement (in relation to the Terms of Reference), (b) Issues that need to be reported to ICT-IOS, (c) Recommendations to ICT-IOS-8 and specifically to CBS-Ext(2014). The Chairpersons will provide the meeting with the status of their respective Work Plans for 2013-2016.

The Rapporteurs will provide their progress report along the same lines as the reports to be provided by the chairpersons of the Expert Teams (see above). The Rapporteur on Marine Observing Systems (R-MAR) will report on JCOMM progress related to the OPAG IOS activities. The Co-rapporteurs on Scientific Evaluation of Impact Studies undertaken by NWP Centres (R-SEIS) will also report on the outcome of the global and regional studies, including OSEs and OSSEs, and their relevance for the future evolution of the GOS, as well as follow up of recommendations from the Workshop on the impact of various observing systems on NWP (Sedona, USA, 22-25 May 2012). The chair of the Steering Group on Radio-Frequency Coordination (SG-RFC) will present a progress report on Radiofrequencies matters.

7. Observing System Design and Evolution

Noting that the new Implementation Plan for the Evolution of the Global Observing Systems (responding to the Vision of the GOS in 2025) has been approved by CBS-XV in 2012, and EC-65 in 2012, the Chairperson of the Inter Programme Expert Team on Observing System Design and Evolution (IPET-OSDE) will inform the meeting of the status of actions of new EGOS-IP per feedback from Members.

The Secretariat will provide the meeting with information on the status of the development and integration of the Rolling Review of Requirements Database, now called the Observing System Capability Analysis and Review Tool (OSCAR). The meeting will provide further guidance in this regard.

The IPET-OSDE Chairperson will report on the status of the development of observing systems network design (OSND) principles and guidance, including draft OSND principles, and road map for developing OSND guidance, and seek further guidance and recommendations from the ICT-IOS in this regard.

Finally, under this agenda item, the meeting will discuss the need to develop a new vision for the global observing system(s), possibly in 2040, to replace the current Vision for the GOS in 2025, and take into account WIGOS requirements.

8. PREPARATION OF OPAG-IOS INPUT FOR CBS-Ext(2014)

The meeting will be briefed on the on-going preparations of the CBS Extraordinary Session in late 2014. Taking into account major results of OPAG-IOS activities, the meeting will be invited to summarize its deliberations on specific issues and prepare the first draft of the text to be included in the General Summary of the CBS session, including updated work plans with status for the Expert Teams. Following the outcome of the discussion on reports of the Expert Teams (agenda item 6), the meeting will be also invited to make appropriate recommendations to the upcoming CBS-Ext.(2014) session. The meeting will also discuss whether the OPAG IOS structure ought eventually be changed, including the Terms of Reference of the Expert Teams, and Rapporteurs, noting that such changes would only be submitted at the next CBS sixteenth Session in 2016.

9. ANY OTHER BUSINESS

Any items of business requiring attention of the ICT-IOS, but not covered above, will be considered.

10. CLOSURE OF THE SESSION

The meeting is tentatively scheduled to close on Thursday, 10 April 2014, late afternoon.
