

**CBS/OPAG IOS/ EXPERT TEAM ON
REQUIREMENTS AND IMPLEMENTATION OF AWS PLATFORMS (ET-AWS)**

**ET-AWS WORK PLAN FOR 2009-2012
(updated August 2009)**

Task	Action
<p>Contribute to the development and implementation of concept of WIGOS and provide relevant advice and support to the chairperson of ICT-IOS</p> <p><i>(Expected Result 4)</i></p>	<p>Address relevant items of WIGOS Implementation Activities agreed by EC-WG/WIGOS-WIS-2.</p>
<p>Develop and maintain the requirements and specifications for automated observations networks in collaboration with ET-EGOS and application areas</p> <p><i>(Expected Result 4)</i></p>	<p>Monitor and update AWS Functional Specifications (FS) for all WMO-related Programmes; Update the list of basic set of variables to be reported by a standard AWS for multiple users.</p>
<p>Develop the requirements and standards for a basic, robust AWS suitable for less developed and remote areas</p> <p><i>(Expected Result 4)</i></p>	<p>Review progress made in ET-AWS-5; Review requirements with Regional networks; Develop standards in liaison with HMEI.</p>
<p>Develop requirements for AWS to contribute directly to the calibration and ground truth of space-based observations</p> <p><i>(Expected Result 4)</i></p>	<p>Review and expand existing requirements.</p>
<p>Develop the requirements for new sensors or the integration of sensors to address the deficiencies of AWS following the migration from manual observations</p> <p><i>(Expected Result 4)</i></p>	<p>Update guidelines and procedures to assist in the transition from manual to automatic surface observing stations; Review requirements for manual observations with subject area specialists including JCOMM, CAgM, CHy, CCI and GCOS.</p>
<p>Develop requirements for new data types from AWS sensors</p> <p><i>(Expected Result 4)</i></p>	<p>Finalize the draft version of ET-AWS-5.</p>
<p>Develop AWS metadata catalogues for WIS</p> <p><i>(Expected Result 4)</i></p>	<p>Prepare tables of AWS metadata for WIS based on BUFR descriptors.</p>
<p>Develop guidelines for the siting classification of surface observing stations</p> <p><i>(Expected Result 4)</i></p>	<p>In coordination with CIMO and other relevant TCs, finalize the guideline materials for Members.</p>

<p>Review BUFR descriptors related to AWS measurements according to requirements</p> <p><i>(Expected Result 4)</i></p>	<p>Review BUFR descriptors and propose new ones if needed; Implement and validate BUFR template for SYNOP/AWS reporting (including new station identification) and validate BUFR templates for AWS data from n-minute period and for representation of nominal values.</p>
<p>Monitor advances in AWS technology and develop standards for integration into AWS networks</p> <p><i>(Expected Result 4)</i></p>	<p>Review progress and advances in AWS technologies; Review existing standards and guides to identify gaps.</p>
