

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

ITEM: 2

EXPERT TEAM ON SATELLITE SYSTEMS
EIGHTH SESSION
GENEVA, SWITZERLAND, 28-30 MAY 2013

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OUTCOME OF WMO AND OTHER MEETINGS OF RELEVANCE TO ET-SAT

Status of actions and recommendations from previous ET-SAT meetings

(Submitted by the WMO Secretariat)

Summary and Purpose of Document

This addendum 2 to Document 2.1 describes the status of outstanding actions and recommendations from ET-SAT-7

ACTION PROPOSED

The Expert Team is invited to note the status of actions and recommendations agreed during the previous ET-SAT activity cycle and to decide either to close the outstanding actions and recommendations, or to maintain them or define new actions or recommendations as appropriate.

REFERENCE : [Final report of the seventh session of Expert Team on Satellite Systems \(ET-SAT-7\)](#)

STATUS OF ACTIONS AGREED AT ET-SAT-7

Action	Due Date	Status
Action ET-SAT 7.01: WMO Secretariat to send a letter to the European Commission expressing the interest of the WMO community for GMES missions and the wish that GMES data (in particular from Sentinel 3, 4, 5) will be openly and freely accessible in order to maximize the benefit from these missions that are important European contributions to climate monitoring and applications.	30 June 2012	Not completed, expecting that the GMES data policy would be open, as advocated by ESA
Action ET-SAT 7.02: Members to review and update the list of web links to data access information and pre-processing software package which is contained in ET-SAT/Inf.4 and provide feedback to the WMO Secretariat (Stephan Bojinski: SBojinski@wmo.int)	30 June 2012	COMPLETED. Information is on line (data access and tools)
Action ET-SAT 7.03: WMO Secretariat to send a letter to R&D space agencies not represented at ET-SAT-7 in order to express the interest of WMO for R&D missions of particular relevance for operational users, and to seek update on the plans for near-real time data accessibility.	30 June 2012	Not completed, noting the broader representation of R&D agencies in ET-SAT.
Action ET-SAT 7.04: WMO Secretariat to forward to IWWG the recommendation to investigate the impact of the longitude separation between adjacent geostationary satellites over the Pacific for wind field derivation, noting that with current plans the requirement for no more than 70 degrees separation cannot be satisfied over that area.	30 June 2012	Not completed, but should be discussed with ET-SUP-7
Action ET-SAT 7.05: The Secretariat will develop a procedure for the management of the SOCRAT updating process, in order to ensure that the process is efficient and that satellite programme data are consistent with authorized information from agencies.	30 September 2012	COMPLETED. See ET-SAT-8/Doc.4
Action ET-SAT 7.06: The Secretariat will investigate a mechanism or tool to facilitate provision of inputs and of feedback on the database contents.	End 2012	To be discussed by ET-SAT-8 under item 4
Action ET-SAT 7.07: The Secretariat will investigate a mechanism for sharing SOCRAT data with e.g.the CEOS MIM.	April 2013	COMPLETED. See ET-SAT-8/Doc.4
Action ET-SAT 7.08: The Secretariat to complete the development of the SOCRAT tool, to simplify the granularity of instrument classes, to review the description of instrument "ranking" with reference to "missions", and to implement updates and corrections mentioned at ET-SAT-7.	15 June 2012	COMPLETED. See ET-SAT-8/Doc.4

Action ET-SAT 7.09: Secretariat to consider including a quantitative estimation of instrument performance based on a performance estimator as contained in Volumes 4 and 5 of the Dossier.	May 2013	COMPLETED, is considered as a future development, to be discussed by ET-SAT-8 under item 4 See ET-SAT-8/Doc.4
Action ET-SAT 7.10: Secretariat to investigate the possibility to base performance assessments on actual instruments instead of theoretical instruments.	May 2013	COMPLETED, is considered as a future development, to be discussed by ET-SAT-8 under item 4. (ET-SAT-8/Doc.4)
Action ET-SAT 7.11: Secretariat to submit SOCRAT to ET-SAT, ET-SUP, and ET-EGOS Members for beta-testing, with password, and subsequently make it openly available on a pre-operational, then operational basis.	15 June 2012	COMPLETED. See ET-SAT-8/Doc.4
Action ET-SAT 7.12: ET-SAT Chair to forward to OPAG-IOS the conclusions of the revised Gap Analysis, raising the attention on anticipated gaps related to early morning orbit imagery and sounding, geostationary sounding, global precipitation measurement, Earth radiation budget, and limb sounding for stratospheric greenhouse gas monitoring, and to recommend urging Members to take initiatives to fill such gaps.	1 June 2012	COMPLETED. Was addressed by CBS-15 and EC-65. See ET-SAT-8/Doc.2.1, and Doc.9
Action ET-SAT 7.13: ET-SAT Chair to forward to OPAG-IOS the suggestions for updating the Vision of the GOS in 2025.	1 June 2012	COMPLETED. See ET-SAT-8/Doc.3
Action ET-SAT 7.14: The Secretariat will circulate the survey to ET-SAT Members, once finalized by the writing team, to enable ET-SAT Members to liaise within their organization and ensure full consistency between the survey process and ET-SAT activities on Gap Analysis.	1 June 2012 (depending on writing team)	COMPLETED. See ET-SAT-8/Doc.5.1 and 5.2
Action ET-SAT 7.15: ET-SAT Chair to submit the proposed update of the Manual on the GOS to the ICT-IOS with a view of its submission to the CBS Rapporteur on Regulatory Material.	1 June 2012	COMPLETED. See ET-SAT-8/Doc.2.1 and 2.1 ADD 1
Action ET-SAT 7.16: ET-SAT Chair to forward to ET-EGOS the proposed revision to the satellite-related parts (including Chapter 6) of the EGOS-IP.	30 April 2012 for ET-EGOS-7	COMPLETED. Approved by CBS and EC. See ET-SAT-8/Doc.2.1
Action ET-SAT 7.17: Secretariat to implement the corrections agreed to the draft contribution to the CIMO Guide, ensure an editorial revision, and submit the revised text to the CIMO editorial board.	July 2012	COMPLETED. See ET-SAT-8/Doc.8.3 Rev.1

ACTIONS CARRIED OVER FROM PREVIOUS MEETINGS

Nr.	Action	Due date	Status
ET-SAT 5.11	Space Programme Office to circulate a draft of instrument guidelines based on the representative characteristics of selected instruments, for review by ET-SAT members. (1 month before ET-SAT 6)	to be rescheduled in the future ET-SAT work plan.	Postponed until completion of the draft contribution to the CIMO Guide.
ET-SAT 5.12	CMA (Yang Jun) and ISRO (A.S. Kiran Kumar) to work towards consolidating an initial list of requirements for AWS sensors to contribute to the validation and ground truth of space-based observation (with reference to ET-SAT/SUP-4/DOC.18.1, Annex), by December 2010 in consultation with ET-SAT and ET-SUP members. Reference: http://www.wmo.int/pages/prog/www/OSY/Meetings/ET-AWS6-2010/Doc6.doc	New due date: 1 September 2012	Proposed to be closed.
ET-SAT 5.15	CMA (Jun Yang) and ISRO (Kiran Kumar), to consider possible further contribution to SCOPE-CM and communicate their interest to WMO Space Programme (CMA, ISRO are encouraged to contact the SCOPE-CM Secretariat (Lothar Schueller, EUMETSAT) to submit a proposal for one or several products, preferably in the terrestrial domain.)	.	Proposed to be closed. CMA, ISRO can propose products.
ET-SAT 6.01	ET-SAT members to review the draft strategy for ensuring user readiness for future operational missions, to be initiated by the ET-SUP and VLab, with a view to submit a proposal to CGMS. (When available from ET-SUP and VLab, in advance of CGMS-39)	Waiting for input from ET-SUP.	COMPLETED. CBS-15 has adopted guidelines for user readiness (See ET-SAT-8/Doc. 2.1)

RECOMMENDATIONS AGREED AT ET-SAT-7

Nr.	Recommendation	Comment
1	Proxy data sets should be systematically made available to the user community through data servers and broadcasting systems in advance of the launch of a new generation satellite in order to help users to plan for ingesting such new data and preparing their utilization.	Now included in the CBS-15 Guidelines for user readiness
2	Multi-purpose DVB-S broadcast systems should be used when available for the dissemination of proxy datasets for new generation satellites in order to provide data in advance of the availability of direct readout services	Now included in the CBS-15 Guidelines for user readiness
3	Sufficient resources should be allocated to support the work of the Steering Group on Radio Frequency Coordination (SG-RFC) and an adequate level of representation of WMO in key international frequency coordination meetings.	This was reinforced by a CBS-15 and EC-65 recommendation.
4	ET-SAT members should keep the Steering Group on Radio Frequency Coordination (SG-RFC) informed of relevant issues from the space community, maintain links with the SG-RFC and the WMO Secretariat on frequency matters, to ensure effective WMO representation of Earth observation satellite providers and users in ITU frequency management processes.	
5	Given the pivotal role of the capabilities database in the RRR process and in support of global coordination of satellite planning, and the need to ensure its sustainability and reliability, it is recommended to assign resources with high priority within the Secretariat for technical maintenance, first level contents updating, and - through consultancy - for technical level updating and quality control.	This was reinforced by a CBS-15 and EC-65 recommendation.
6	Satellite operators, including ET-SAT and CGMS Members, and expert groups, should support the database updating process through submitting inputs and providing reviews and feedback.	This was reinforced by a CBS-15 and EC-65 recommendation.