

**CBS Expert Team on Aircraft-Based Observing systems Work Plan, 2013-2014
(2013.1A, Approved, May 2013)**

No.	ToR	Task	Sub-tasks	Description	Responsible	Commence	Complete	Status	Deliverables/ Activities	2013 Budget Estimate	2014 Budget Estimate
1	(a)	Compile ET-ABO work plan and budget.	2013 WP & Budget		Ch/ET-ABO	Q1 2013	Q1 2013	1	Work Plan, Ann. Budget 2013		
			2014 WP & Budget		Ch/ET-ABO	Q4 2013	Q4 2013	0	Work Plan, Ann. Budget 2014		
2	(a)	2013 Meeting of ET-ABO		Hold a meeting, possibly in end August 2013. Requirements: <ul style="list-style-type: none"> Agenda (Ch-ET-ABO); Meeting Form (SO/ARO) 	Ch/ET-ABO	Q1 2013	Q3 2013	0	Agenda, Meeting Form, Meeting	15K + (10K from WMO RB)	
3	(b)	Establishment of AMDAR Metadata (national, international)	Finalise Imp. Plan		S.Taylor, SO/ARO	Q3 2013	Q3 2013	1	AMDAR Metadata IP		
			Incorporate metadata specification into draft Reg. Material		S.Taylor, SO/ARO	Q2 2013	Q1 2014	0	Metadata definition incorporated into WIGOS Reg. Mat.		
			Establish Metadata Pilot Project	Pilot project to test the exchange of metadata. Will need a recipient data centre (e.g. CMC or the AO Data Centre?)	S.Taylor, SO/ARO	Q4 2013	Q1 2014	0	Pilot project in place.		20K
4	(b)	Establish AO Data Centre	1. Write to pros. Centres; 2. Defined requirements of AO DC	Prospective centres: <ul style="list-style-type: none"> NCEP CMC NOAA NCDC 	Ch/ET-ABO, SO/ARO	Q1 2013	Q4 2014	0	AO Data Centre		50K
5	(b)	Document ABO QMS		Include: <ul style="list-style-type: none"> Recomm. from Workshop on DM 	J.v.d.Meulen, ET-ABO	2012	Q4 2014	1	ABO QM Documented in WMO Reg. Mat.		
6	(b)	Revise and update AOP Data QC procedures		Include: <ul style="list-style-type: none"> Relevant recomm. From Workshop on DM Use of flags Policy on ICAO data QM Spec. of QC by DPCs/NMSHSs Reqs for NWP Radiosonde comparison 	J.v.d.Meulen + Aust. Rep.	Q4 2013	Q4 2014	0	QC Procedures updated in WIGOS Reg. Mat.		

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7	(c)	Coordinate with CIMO TT-AO on Scientific & Technical Matters			Ch-ET-ABO, SO/ARO			1	Harmonised Work Plan & Budget for the ABO Program.		
8	(c)	B777 Software Dev.	Finalise negotiations with AFR and KLM in consult. with E-AMDAR & Meteo-France.	<ul style="list-style-type: none"> Combined action with TT-AO 	Ch/ET-ABO, SO/ARO, Ch-TT-AO	2012	Q2 2013	1	B777 AMDAR Software application		
9	(d)	Study on Data Cov. and Airline Capabilities	Complete study & publish		SO/ARO	Q1 2012	Q1 2013	4	Published study	17K	
10	(d)	Mexico Prog Implement.	Finalise ARINC Contract		SO/ARO	2012	Q2 2013	2	Contract	54K	
11	(d)	Employ AMDAR Dev. Officer (ADO)			SO/ARO, Ch/ET-ABO, GF	Q1 2013	Q2 2014	2	Job Description, ADO employed.	30K	60K
12	(d)	Develop Global & Regional AMDAR Imp. Plans	Draft GA-IP	<p>This may incorporate the following:</p> <ul style="list-style-type: none"> WVSS Implementation Letter to airlines based on consideration of Data Coverage & Airline Targeting study; Letter to PRs of relevant countries based on consideration of Data Coverage & Airline Targeting study; Letter to RAs. 	SO/ARO, Ch/ET-ABO, Vc/ET-ABO	Q1 2013	Q3 2013	1	Draft GA-IP Draft RA IP Template		
			Draft RA IP	<ul style="list-style-type: none"> Possible that these plans can be developed in coordination with RA meetings. 	ADO, SO/ARO, J.Ngamini	Q2 2013	Q4 2013	0	RA IP		

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			RA I AMDAR Stakeholders Seminar	Schedule around the end of 2013 or first quarter of 2014, to engage key stakeholders of the region relevant to RA I AMDAR IP, to discuss the roadmap for the implementation of the plan.	ET-ABO, SO/ARO, J.Ngamine, RA I FPs	Q2 2013	Q4 2014		<ul style="list-style-type: none"> Contribute to the CAeM session in June 2014, and Contribute to the RA I Session in Dec. 2014. 	30K	
			Draft RA II IP		ADO, SO/ARO, Li Wei	Q2 2013	Q4 2013	0	RA II IP		
			Draft RA III IP		ADO, SO/ARO, J.Horler	Q2 2013	Q4 2013	0	RA III IP		
			Draft RA IV IP		ADO, SO/ARO, G.Fournier	Q2 2013	Q4 2013	0	RA IV IP		
			Draft RA V IP		ADO, SO/ARO, M.Esler	Q2 2013	Q4 2013	0	RA V IP		
			Draft RA VI IP		ADO, SO/ARO, S.Stringer	Q2 2013	Q4 2013	0	RA VI IP		
13	(d)	Polar ABO	Report on the availability of observations over polar regions		ET-ABO	Q3 2013	Q4 2013	0	Report to EC-PORS		
			Investigate and report on possible airlines/aircraft to enhance polar ABO coverage		ET-ABO, N.Jacobs			0	Report to EC-PORS		
14	(d)	Establish ASECNA requirements for Supplementary AMDAR Data			SO/ARO, J.Ngamini	Q2 2013	Q2 2014	0	Data Agreement with EUMETNET/E-AMDAR		

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15	(d)	Optimise Existing Program Coverage	Determine existing potential coverage, capacity to provide the additional potential data & cost of doing so.	AMDAR Program Managers to provide potential vertical profile coverage. SO/ARO to make request.	ET-ABO, Operational Program FPs	Q1 2013	Q2 2014	1	Report to ET-ABO		
			Investigate WMO ability to admin. MoUs between NMHSs		SO/ARO	Q2 2013	Q2 2014	0	Report to ET-ABO		
16	(d)	Develop guidelines for AMDAR Program Dev.		Publish in relevant guide.	ET-ABO	Q3 2013	Q4 2014	0	Guidelines for AMDAR Prog. Dev.		
17	(d)	Attend meetings of relevance to global AMDAR dev.		This may include: <ul style="list-style-type: none"> 2 E-AMDAR TAG meetings; Others. 	SO/ARO, ET/ABO	Q2 2013	Q4 2014	1	Meetings attended. Reports produced for ET-ABO and Secretariat	15K	20K
18	(e)	Papers on Impact of AMDAR Data		1. Draft papers received 2. Papers reviewed 3. Papers published	SO/ARO, ET-ABO Review Team	2012	Q4 2013	1	Published papers	22K	
19	(e)	AMDAR Impacts and Benefits document for Aviation	Revise & Finalise Statement of Work		Ch/ET-ABO, SO/ARO	Q1 2013	Q2 2013	1	SoW		
			Seek Eols from consultants		Ch/ET-ABO, SO/ARO	Q2 2013	Q3 2013	0	SSA with selected Consultant		
20	(e)	AMDAR Training Module	Develop SoW for Training Module	<ul style="list-style-type: none"> Present SoW to ET/ABO for assessment; As per AMDAR-15, funding to be sought as ring-fenced item in TF. 	Lead AMDAR Training & Outreach (C.Weiss)	Q3 2013	Q4 2013	1	SoW		

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			Provide to WMO Procurement & Contracts for tender process		SO/ARO	Q1 2014	Q3 2014	1	Tender process in place and Contractor secured.		
21	(e)	Attend Relevant Aviation Meetings	Attend AEEC DataLink Users Forum, Q1 2013, 2014		USA Rep.	Q1 2013	Q4 2014	4	Carl Weiss attended. Report received.	1.5K	2.5K
			Attend AEEC Data Link Users Forum, Q4 2013, 2014		E-AMDAR Rep.	Q4 2013	Q4 2014	0	Meeting attended; Report produced.	1.5K	2.5K
22	(e)	WMO AMDAR Newsletter	Produce Newsletter Vol 5		ET-ABO, AMDAR FPs, SO/ARO	Q2 2013	Q2 2013	4	Newsletter Vol 5		
			Produce Newsletter Vol 6		ET-ABO, AMDAR FPs, SO/ARO	Q4 2013	Q4 2013	0	Newsletter Vol 6		
23	(e)	Global AMDAR Program Development Workshops and Seminars			ET-ABO	Q2 2013	Q4 2014			30K	30K
24	(f)	Provide input to ICG-WIGOS/TT-WMD	Attend TT-WMD-1		S.Taylor, SO/ARO	Q1 2013	Q2 2013	1	Determine req. for input to TT-WMD		
25	(f)	Provide input to ICG-WIGOS/TT-WRM			J.v.d.Meulen	Q1 2013	Q4 2014	1	Determine req. for input to TT-WRM		
26	(f)	Contribute to the WMO/CBS RRR Process		Continuous process??	SO/ARO, ET-ABO	2012	Q4 2014	2	Input in RRR Database SoR Document/ input in RRR OSC Database		

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27	(f)	Revision of AMDAR Regulatory Material in WIGOS context	<ul style="list-style-type: none"> • Revise current status. • Develop plan for update process. 		J.v.d.Meulen	Q3 2013	Q4 2014	1	Plan for integration of AMDAR RM into WIGOS RM.		

Notes

A. Status

- 0 Idea
- 1 Initiated/Commenced
- 2 Ongoing or In-progress
- 3 Review Deliverable
- 4 Deliverable accepted/Activity Completed

B. ET-ABO ToR: http://www.wmo.int/pages/prog/www/CBS/Lists_WorkGroups/CBS/opag%20ios/et-abo/tors

C. For context and long-term plans, see: http://www.wmo.int/pages/prog/www/GOS/ABO/ABO_Work_Program.html