

Mexico City AMDAR Workshop Programme

8-10 November 2011

Updated 28 October 2011

Day 1, Tuesday 8 November, Venue: Radisson Paraiso Hotel México D.F

Time	Topic / Item	Presenter / Chair	Content
09:00	Workshop opening	PR Mexico Chairman of the WMO AMDAR Panel WMO Secretariat	Welcome from SMN Welcome from WMO AMDAR Panel Chairman Welcome from WMO
09:30	Workshop working arrangements	Flores Liera Perla	Practical arrangements for the workshop.
09:35	History of the AMDAR Programme	Mr Frank Grooters, AMDAR Panel Chairman	History of AMDAR as an observations system; history of the AMDAR Panel; important activities of recent years.
10:00	The AMDAR Observations System	Mr Dean Lockett, WMO Secretariat	What AMDAR is; AMDAR as a global observation system and a component of the WMO GOS; Current status of the Global AMDAR Programme and gaps in coverage; The AMDAR Manual; AMDAR Software Specifications and reporting.
10:30	Break (15 mins)		
10:45	Collaborative and Regional AMDAR Programmes	Mr Stig Carlberg, E-AMDAR	The European model and experience with AMDAR; Benefits of regional collaboration; Agreements between NMHSs; benefits of Optimization including potential for regional data targeting and cost sharing.
11:15	E-AMDAR Operational AMDAR Programme Infrastructure	Mr Stewart Taylor, E-AMDAR	E-AMDAR infrastructure, programme, development, functions etc.
12:00	The USA MDCRS AMDAR Programme	Mr Carl Weiss, NWS/NOAA	Background on the MDCRS programme and the potential relationship with South American programmes.
12:30	Lunch (1.5 hrs)		
14:00	Potential Regional AMDAR Programmes (Caribbean, Central and South America)	Mr David Helms, NWS/NOAA	Airlines and aircraft operating in the region; Potential for AMDAR developments; Target Airlines; Potential data coverage.
14:30	Provision of AMDAR Data for the Region.	Mr David Helms, NWS/NOAA	Possibilities for provision and utilization of targeted data from MDCRS and other programmes for South America
15:00	AMDAR Data from Aeromexico	Aeromexico and SMN Representatives	Recent experience in obtaining data from Aeromexico; Data quality; Potential for expansion; Use of AMDAR data by SMN.
15:30	Break (15 mins)		
15:45	Proposed AMDAR Programme for Mexico	Mr David Helms, NWS/NOAA	Proposed plan for developing a AeroMexico AMDAR Programme.
16:15	Technical Implementation of AMDAR for AeroMexico and the Region	Mr Al Homans, ARINC	The ARINC role in software communications and data processing.
17:00	Discussion and Review	Mr Frank Grooters, AMDAR Panel Chairman	
17:15	Close		
19:30	WORKSHOP DINNER HOSTED BY SMN		

Day 2, Wednesday 9 November, Venue: Radisson Paraiso Hotel México D.F

Time	Topic / Item	Presenter / Chair	Content
09:00	NMHS and Airlines Responsibilities	Mr Dean Lockett, WMO Secretariat	Contracts and Agreements; Software; Data Management; Standards; NMHS and Airline Interaction.
09:25	Data Quality Monitoring and Control	Dr Axel Hoff, Convener AMDAR Panel Science and Technical Sub-Group	Data Quality Control and Quality Monitoring for the AMDAR System.
09:50	Benefits and Impacts of AMDAR Data	Mr Lee Cronce	Benefits of AMDAR data, from the global to local scale.
10:15	Break (15 mins)		
10:30	Accessing and Utilizing AMDAR Data for NWP Applications	Mr David Helms, NWS/NOAA	How to obtain AMDAR data from the GTS; How AeroMexico data will be made available; Processing and assimilating AMDAR data into NWP systems.
11:00	AMDAR for Aviation Meteorology	Mr Carl Weiss, NWS/NOAA	
11:45	Airline Perspective of AMDAR Programme Implementation	Mr Randy Baker, UPS Mr Brian Collins, SWA Meteorology	The development and maintenance of an AMDAR Programme from the airline perspective.
12:30	Lunch (1.5 hrs)		
14:00	Comparison of AMDAR Data with Other Data Sources	Mr Lee Cronce	How well does AMDAR data compare to other similar types of data. How accurate is it.
14:30	Data Monitoring and Data Presentation	Mr Carl Weiss, NWS/NOAA	Demonstration of the GSD AMDAR web site.
15:00	HMEI and New Instrument Developments for AMDAR: Water Vapor	Mr Bryce Ford, HMEI Representative, SpectraSensors Inc.	1. A brief introduction to HMEI 2. A summary of WV sensors used in commercial aviation that are offered by members of HMEI (Technical Overview, Operational Issues, Certification Issues, Current Implementation Status) 2. A summary of any new technologies from HMEI members that are related to AMDAR objectives
15:30	Break (15 mins)		
15:45	AMDAR Training and Outreach	Mr Carl Weiss, NWS/NOAA	Information on and demonstration of training materials.
16:15	Questions, Clarification and Discussion – Aviation Industry Representatives	Aviation Industry Representatives: Mr Al Homans, ARINC Mr Randy Baker, UPS Mr Brian Collins, SWA Meteorology	Session for Regional Aviation Industry Representatives with feedback and response to questions provided by Aviation Industry Representatives.
16:30	Questions, Clarification and Discussion – NMHS Representatives	Mr Carl Weiss, NWS/NOAA Mr David Helms, NWS/NOAA	Session for Regional NMHS Representatives with feedback and response to questions provided by USA Representatives.
16:45	Discussion and Review	AMDAR Panel Chairman	
17:00	Close		
19:00	VISIT TO THE NATIONAL MUSEUM OF NATURAL HISTORY AND ANTHROPOLOGY (approx US\$30 per person)		

Day 3, Thursday 10 November: Venue TBA

Time	Topic / Item	Presenter / Chair / Respondents	Content
09:00	Summation and Future Directions	AMDAR Panel Chairman	Summation of Workshop: 1. For Regional Reps wishing to develop programmes independently: How to go about this and how help can be obtained from the Panel and existing Programmes; 2. Introduction to the planning process and the Collaboration and Implementation Plan.
09:15	Response to Questions from Workshop Discussion	WMO Secretariat and AMDAR Panel Chairman, AMDAR STSG, AMDAR TrSG	
09:30	SMN Modernization Plan and the Implementation of AMDAR in Mexico	Dr. Michel Rosengaus, SMN	
10:00	Commence Development of Draft Collaboration and Implementation Plan	WMO Secretariat and AMDAR Panel Chairman	
10:15	Break (15 mins)		
10:30	Continue Development of draft Collaboration and Implementation Plan - Continue	WMO Secretariat and AMDAR Panel Chairman	
11:30	Conclusions, Further Actions, Final Summary and Report Notes	WMO Secretariat, AMDAR Panel Chairman and Vice-Chairman, David Helms	
12:30	Close		