**APSDEU-11**

**Open Action Items including Joint APSDEU/NAEDEX Action Items**

**Update 24 October 2012**

The section is to present a consolidated list of actions from the 10th APSDEU group meeting. The actions are numbered yyyy-n-x where yyyy stands for the year and n the number of the APSDEU meeting when the action was raised. The actions are then numbered (x) consecutively from 1.

**Actions from Previous Meetings**

**Action 2009-9-7:** Review and finalization of Terms of Reference for AP-RARS and APSDEU.

**Lead: AP-RARS Coordinator and NWS-TOC**

**Status:** Open. Fred Branski and Anthony Rea have the lead on this. Some concerns have been raised about possible cross-interest with WMO issues. Fred will coordinate with Anthony Rea and Jerome Lafeuille to ensure separation of duties and to maintain the cross-flow of information.

**Draft Terms of Reference of AP-RARS has been created. Anthony feels this does not have to be coordinated through APSDEU. Current AP-RARS Terms of Reference has been accepted, informally.**

**AP-RARS issue has been closed.**

**APSDEU Terms of Reference remains open. Outcome will be reviewed at the end of this meeting.**

**CLOSED AT THIS MEETING (23-10-2012).**

**Action 2009-9-12:** CMA requests that NOAA provide GOES satellite data in near real-time by FTP server. NOAA will provide CMA a copy of MCIDAS software.

**Lead: NOAA/NESDIS and CMA**

**Status:** Open. NESDIS OSDPD is currently in the process of formulating an official data distribution policy that will stipulate the procedure used to apply for the data requested and objective criteria used to assess each request. All user requests will be evaluated on a case by case basis and NESDIS recognizes the need to provide free and unrestricted access to satellite data and products as allowed by available resources and DOC IT security guidelines. (John Paquette and Xian Di to coordinate).

**May 2011 Update: Based on policy changes from the vendor, the McIDAS option is no longer available. John Paquette, NESDIS Data Access Manager, will provide a Data Access Request Form to Xian Di as a means to maintain OSPO’s user database. Action: NOAA/NESDIS**

**<<INSERT UPDATE>>**

**CLOSED AT THIS MEETING (23-10-2012) PENDING REPORT FROM CMA.**

**Action 2009-9-14:** APSDEU to investigate the consolidation of network connections within the region.

**Lead: All**

**Status:** Open. Fred Branski and Adrian Gardner reported that there is an overall change in approach. Instead of separate networks, they would like to consolidate these into one managed service for everybody. They will use NOAANet to provide this. EUMETSAT and the UK want to do this. NWS will join the European RMDCN and also with the Canadians this September. They foresee that this effort will not be solely within NWS and involve NWS resources. They expect contributions from all agencies. They have already discussed this with NAEDEX. They have not received any responses from other APSDEU members. Fred Branski is the POC.

**Ongoing Action Item: Bi-Lateral activities between KMA/JMA/Melbourne – Idea is consolidate all data exchange requirements (model, observations, satellite activities) where feasible. At the NOAA level we have connectivity at our internal sites.**

**There is a link JMA-MELBOURNE but not sure about KMA-Melbourne. Will KMA join RMCDN?**

**CLOSED AT THIS MEETING (23-10-2012).**

**New Actions from APSDEU-10**

**Action 2010-10-01:** EUMETSAT and NOAA to investigate delays and data quality issues associated with Honolulu RARS data and advise on possible improvements,

**Lead: NOAA/NESDIS, NWS/CIO, EUMETSAT**

*Simon Elliott (EUMETSAT): average turn-around for Ewa Beach data is 45 minutes but this sometimes extends to 2 hours. Delays are prior to reception of the data at EUMETSAT. Also passes tend to be short and there are some data quality issues.*

**May 2011 Update: To improve data latency, NESDIS changed the method of receiving the Ewa Beach HRPT data. We now have the NWS push these data to us rather than pulling from the NMF’s server. We are also pursuing input from the NWS direct readout site to optimize the data receive schedules (i.e., improved accuracy of polar orbiting acquisition). Savings of around 60 minutes with this process.**

**Simon Elliot has sent this information to EUMETSAT for comments.**

**CLOSED AT THIS MEETING (23-10-2012).**

**Action 2010-10-02:** NOAA and EUMETSAT to investigate blind orbit support for NOAA-18 at Svarlbad.

**Lead: EUMETSAT and NOAA/NESDIS**

*Simon Elliott (EUMETSAT): EUMETSAT need a formal request for support of this nature on behalf of APSDEU.*

**May 2011 Update: NOAA is currently investigating the feasibility of this request by performing loading studies and what it would take to acquire these blind orbit passes while still maintaining the command and control of the existing five NOAA polar-orbiting satellites (NOAA 15, 16, 17, 18 and 19) from Wallops and Fairbanks. Support for NPP and Coriolis also need to be accounted for in this investigation.  Further information should be forthcoming shortly as a meeting to further discuss this feasibility is slated for May 2, 2001 at 2:30pm EDT.**

**NESDIS will provide an update prior to the end of this week based on the May 2nd meeting.**

**EUMETSAT can’t provide blind orbit support for NOAA-18**

**<<INSERT UPDATE>>**

**CLOSED AT THIS MEETING (23-10-2012).**

**Action 2010-10-03:** CMA to provide contact details and procedures for obtaining direct readout processing software for the Fengyun-3 series and technical specifications for reception. Environment Canada to provide details of requirements

**Lead: CMA and EC**

**Completed the exchange of coordinates. CMA has established a process for agencies to obtain pre-processing software for the Fengyun-3 series. There is a bi-lateral meeting between EC/CMA in the works. EC requires a third-party involvement. BOM has received processing software from CMA. EUMETSAT has had some success in installing the software.**

**Status: Remain Open – the detailed technical specifications for the downlink is still required from CMA. Fred Branski will provide documents on Data Exchange meetings website.**

**CLOSED AT THIS MEETING (23-10-2012).**

**Action 2010-10-05:** The Bureau to consider the generation of polar AMVs from MODIS/VIIRS and distribution to the international community in near real time.

**Lead: BOM**

**The Bureau has agreed to do this and has been added to the project plan; however, resources are constrained. Timing cannot be estimated at this time – Target: mid-2012. In progress.**

**October update: This work is still planned but hasn’t been done yet.**

**OPEN AT THIS MEETING (23-10-2012).**

**Action 2010-10-06:** APSDEU members to coordinate with WMO Space Programme and CBS to explore updating Volume C1 for satellite products used in operations and interoperable cataloguing of these products.

**Lead: All Centers – NOAA/NWS Fred to coordinate**

**Status: Open. No updates have been done. C1 is the starting point to move to metadata catalogues. CBS has gone to each of the RTH providers for updated volumes. Simon has offered to assist other satellite providers with updating their documentation.**

October status update: Some changes in the catalogue have occurred. This is important as the catalogue is the start of the metadata processing.

<http://192.91.247.60/wwwois/index.html>

Further information on C1 is available at:

<http://www.wmo.int/pages/prog/www/ois/Operational_Information/VolC1_en.html>

You can verify if your message formatted products are reflected in the catalog. Updates can be coordinated trough your RTH.

**CLOSED AT THIS MEETING (23-10-2012).**

**Action 2010-10-09:** APSDEU members to provide a list of requirements for NPP real-time products to NESDIS by June 2010. NOAA/NESDIS - John Paquette to provide list of potential products to participants. Send all requirements to John.

**Lead: All Centers**

**Status: NPP Requirements have been received from NWS and EUMETSAT, which included European requirements. EUMETSAT may still have updates to this list. John will provide an updated list of available products in his presentation on Tuesday, May 3. Phase 1 requirements for products that will be available 3-6 months are set; however, new products can still be added to follow-on product delivery.**

**<<INSERT UPDATE>>**

**CLOSED AT THIS MEETING (23-10-2012).**

**Action 2010-10-10 & 2010-10-11:** NZ MetService, NIWA, ISRO and IMD to be encouraged to attend APSDEU-11

**Lead: NWS-CIO and BOM**

**Action: Combine action 2010-10-10 and 2010-10-11. Invite participants if APSDEU-12 will be a stand-alone meeting. Further investigate the most appropriate venue.**

IMD gave a presentation at NAEDEX/APSDEU. NZ invited to attend.

**CLOSED AT THIS MEETING (23-10-2012).**

**Action 2010-10-12:** Prepare a draft template table of requirements with a reformatted table of actions and circulate to APSDEU participants for comment due by end of June.

**Lead: NOAA/NWS-CIO and BOM**

Completed. Discussions at this meeting will determine how best to handle joint action items.

**CLOSED AT THIS MEETING.**

**Action 2010-10-13:** Draft a process for inter-meeting handover including tracking actions and preparing table of requirements

**Lead: BOM, NOAA/NCEP, EC, NOAA/NWS**

**POCs will have a separate discussion on how best to move forward.**

**CLOSED AT THIS MEETING (23-10-2012) PENDING NEW GENERAL ACTION ON GROUP MEETING PROCEDURES.**

**New Actions from APSDEU-11**

**Action 2011-11-02:** In reference to global FY3 microwave sounding data – Explore getting the data accessible to North America. Simon Elliott to raise with the GEONETCAST implementation group.

**Lead: EUMETSAT**

**October 2012 update: This was done but prior to new agreement between CMA and EUMETSAT. This includes FY3C and is not instrument specific. EUMETSAT have progressed in terms of getting the microwave sounding data and distributing it on EUMETCast (to member states and ECMWF). It will be discussed at CGMS. CMA report that these data will be distributed on the GTS.**

**CLOSED AT THIS MEETING (23-10-2012)**

**Action 2011-11-03:** Formalizing the delivery of global IASI data currently received by the Bureau and KMA from UKMET Office.

**Lead: BOM, UKMET and EUMETSAT**

**October 2012 update: This is about getting data from EUMETSAT rather than Met Office. EUMETSAT could arrange for ABoM and KMA to receive the data via CMACast. KMA and ABoM need to request this from CMA. CMA will then request data access on Geonetcast so that it can then be put on CMACast.**

**STILL OPEN AT THIS MEETING (23-10-2012).**

**Action 2011-11-04: 1.2.1 AMSU-A1/A2** – Bureau to investigate accessing Metop/AMSU data directly from GTS or CMACAST.

**Lead: BUREAU**

**As per the above action (except for GTS access).**

**STILL OPEN AT THIS MEETING (23-10-2012).**

**Action 2011-11-05: 2.1. METEOSAT –** CMA will examine the possibility of distributing hourly Meteosat IODC imagery data via CMACAST.

**Lead: CMA, EUMETSAT**

**Some Meteosat data is on CMACAST. But Meteosat data is not yet in the GISC catalogue.**

**STILL OPEN AT THIS MEETING (23-10-2012).**

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**Action 2011-11-06: 1.6.3 AQUA and TERRA MODIS Polar Winds -** NESDIS will investigate if data is available on the GTS.

**Lead: NESDIS**

**<<INSERT UPDATE>>**

**CLOSED AT THIS MEETING (23-10-2012).**

**Action 2011-11-07 2.1.1 Ice/snow gridded field derived from SSM/I and SSM/IS** – NESDIS will investigate the data availability.

**Lead: NESDIS**

**Product is available on DDS in GRIB2.**

**This data is not thought to be on GTS.**

**<<INSERT UPDATE>>**

**CLOSED AT THIS MEETING (23-10-2012).**

**Action 2011-11-08 3.3 Digital imagery from GOES-E and GOES-W** – NESDIS will investigate the data availability using the Wisconsin/SSEC McIdas software for display purposes.

**Lead: NESDIS**

**Visit McIdas website to find the answer.**

**<<INSERT UPDATE>>**

**CLOSED AT THIS MEETING (23-10-2012).**

**Action 2011-11-09 1.2 Fengyun-3:** CMA will investigate the feasibility in distributing this data on the GTS and availability of these products on CMACAST. All Agencies need to acquire their list of requirements as well.

**Lead: CMA and All Centers**

**October 2012 update. Microwave sounder data can be distributed on GTS, possibly in BUFR.**

**CLOSED AT THIS MEETING (23-10-2012).**

**Action 2011-11-10 3.1 Wind Profiler Data:** Bureau and KMA to investigate the availability of Australian and Korean wind profile data.

**Lead: Bureau and KMA**

**October 2012 update : No progress on ABoM side. KMA has positive impact from these data but they are not on GTS. After quality control, the data may go on the GTS if requested.**

**STILL OPEN AT THIS MEETING (23-10-2012).**

**Action 2011-11-11 3.3 Tropical Cyclone Data:** Centers to investigate the availability of this data outside of their agency.

**Lead: Asia/Pacific Centers**

**Tropical Cyclone Tracks.**

**October 2012 update. JMA and KMA are distributing these data by GTS.**

**CLOSED AT THIS MEETING (23-10-2012).**

**Action 2011-11-12 3.4/3.5 Hourly Surface Observations/Soil Temperatures:** Centers to investigate the availability of surface data including soil temperatures that are currently not being exchanged.

**Lead: Asia/Pacific Centers**

**October 2012 update: No action taken by ABoM yet.Need to separate timeliness and product type. Discuss in the requirements part of the meeting.**

**CLOSED AT THIS MEETING (23-10-2012) BUT THERE IS A NEW ACTION ON NAEDEX LIST.**

**Action 2011-11-13 3.6 Ozone Soundings**: Centers to investigate the availability of this data for purposes of distribution on the GTS.

**Lead: Asia/Pacific Centers**

**October 2012 update: ABoM has 3 stations sounding once per week but data not on GTS. There are also other countries collecting these data.**

**STILL OPEN AT THIS MEETING (23-10-2012).**

**Action 2011-11-13 3.7 Ocean Data/Tidal Gauges/Sea Level Observations:** All NAEDEX/APSDEU Centers to investigate the availability of this data for purposes of distribution on the GTS.

**Lead: MSC/Mike Manore**

Data on sea level has increased.

**CLOSED AT THIS MEETING (23-10-2012).**

**Action 2011-11-14 3.8 GPS Total Column Water Vapor:** Based on the European model, APSDEU members to investigate real-time exchange of GPS data.

**Lead: Asia/Pacific Centers**

**October 2012 update: ABoM data not processed in real time so not distributed on GTS. CMA can put their data on GTS. KMA has 87 stations and produces ZTD and by end of yet exchange data with JMA and from next year will try to exchange with other countries. JMA to put their ZTD data on GTS.**

**CLOSED AT THIS MEETING (23-10-2012) BUT NEW ACTION BELOW.**

**Action 2011-11-15 General: CMA Snow Request:** The National Ice Center (NIC) would like access to CMA snow surface  depth reports to then add to NWS/NCEP models and perhaps distribute as part  of the NCDC GHCN-Daily dataset (there is only a small amount of CMA snow  data available through this currently). Would need data within 24 hours  of the observation to be useful. The NIC currently gets some data for  research purposes, but would like more data and also prefer that it is  full and open access (although this can be discussed if not possible).  The NIC suggested that these data might be available from the same  surface observing stations that currently provide temperature and  precipitation data for China, which would be great. The NIC would also  like soil temperature and soil freeze/thaw depths if possible, but this  is a secondary requirement. Data format could be as simple as text with  lat/long information or more complex like a GIS shapefile. CMA to investigate.

**Lead: CMA**

**October 2012 update: Action to be pursued at a bilateral meeting between NOAA and CMA.**

**CLOSED AT THIS MEETING (23-10-2012).**

**General APSDEU/NAEDEX Action Items**

**Action General 1.x –** All Centers to advocate the need for scatterometer data and Satellite Providers report on plans from their organizations for the future at annual meetings.

**Lead: All APSDEU/NAEDEX Members**

**October 2012 update: There has been a lot of action this year.**

**CLOSED AT THIS MEETING (23-10-2012).**

**Action: General 2.x –** All Centers need to provide an operational exchange of radar data. APSDEU/NAEDEX members will investigate the current availability and the possibility in providing data via GTS. Requirements of the data need to be communicated across organizations.

**Lead: All APSDEU/NAEDEX Members**

**October 2012 update: CBS meeting next year to progress requirements, data format and exchange mechanism.**

**STILL OPEN AT THIS MEETING (23-10-2012).**

**Action General 3.x –** All Centers to advocate for increasing the meteorological content in the GEONETCAST-Americas with concentration on European and Asia/Pacific data that is not directly received.

**Lead: NESDIS, NWS/CIO and MSC**

**CLOSED AT THIS MEETING (23-10-2012).**

**Action General 4.x –** All Centers to investigate the planning to migrate towards providing data via secure data transfer mechanisms due to security risks.

**Lead: NWS/CIO**

**October 2012 update: Ongoing activity.**

**STILL OPEN AT THIS MEETING (23-10-2012).**

**Action General 5.x –** All Centers to provide previous documentation from previous APSDEU/ NAEDEX Meetings and provide them to NWS – Fred Branski who will centrally compile them into one location.

**Lead: NWS/CIO**

**October 2012 update: This documentation seems to be scattered in various personal archives.**

**STILL OPEN AT THIS MEETING (23-10-2012).**

**Action General 6.x –** All Centers to ensure registration of their HRPT stations for protection from frequency allocation in the 1695-1710 MHz band. Also consider registration of their X-band reception stations.

**Lead:** All satellite data reception station operators

October 2012 update: Ongoing progress.

**STILL OPEN AT THIS MEETING (23-10-2012).**

**Action General 7.x** – **Creating Joint APSDEU/NAEDEX Documents**

 1) Propose a document structure and numbering scheme to merge the Asia/Pacific, North America, and Europe Requirement Documentation – Due by 30 September 2011 for 30-day Review by Members.

 2) Leads will revise based on feedback and put together a merged requirement spreadsheet/document as well as a merged action item document – Due by 15 December 2011 followed by 30-day Review

 3) Finalized Documents due by 28 February 2012

**Lead: NWS/Fred, ECMWF/Erik and Bureau/Anthony**

**October update: <<INSERT TEXT>>**

**STILL OPEN AT THIS MEETING (23-10-2012).**

**Action General 8.x** – Next Meeting in 2012 will be a Joint Meeting to assess finalized outcome of documents/joint action items. UKMET has offered to host the next Joint meeting in 2012 (Summer/Fall – not October)

Lead: UKMO/Roger

**CLOSED AT THIS MEETING (23-10-2012).**

**Actions from 12th APSDEU meeting.**

**APSDEU\_2012\_GENERAL Only 21 out of 90 Chinese radiosonde stations report significant levels. CMA to investigate for all stations to report significant levels**

**ACTION: CMA**

**APSDEU\_2012\_GENERAL Investigate where on the GTS circuits the METOP datasets are getting blocked**

**ACTION: CMA, KMA, JMA, BoM, EUMETSAT, Met Office, MSC**

**APSDEU\_2012\_GENERAL All centers to make available GPSWV & ZTD data on GTS in BUFR.**

**October 2012 update: ABoM data not processed in real time so not distributed on GTS. CMA can put their data on GTS. KMA has 87 stations and produces ZTD and by end of yet exchange data with JMA and from next year will try to exchange with other countries. JMA to put their ZTD data on GTS.**

**ACTION: ABoM, CMA, KMA, JMA**