

WORLD METEOROLOGICAL ORGANIZATION

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

EXPERT TEAM ON SATELLITE UTILIZATION AND PRODUCTS

ITEM: 6.1

SEVENTH SESSION

GENEVA, SWITZERLAND, 27-30 MAY 2013

Original: ENGLISH

## **NAEDEX-APSDEU UPDATE**

*(Submitted by Stephen English and Anthony Rea)*

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### **Summary and Purpose of Document**

To provide an update on the NAEDEX and APSDEU meetings.

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### **ACTION PROPOSED**

The seventh session is invited to:

- (a) Note this information.
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## NAEDEX-APSDEU UPDATE

### Introduction

1. The combined 12th Asia-Pacific Satellite Data Exchange and Utilisation (APSDEU) and 24th North America Data Exchange (NAEDEX) Meeting was held at the UK MetOffice on 22-26 October 2012. This international data exchange meeting provides an important forum linking meteorological satellite operators with major numerical weather prediction centres. The meetings are not WMO sponsored; however, the WMO Space Programme generally attends as an observer.

2. APSDEU-NAEDEX is targeted at reviewing the current exploitation of observational data at all the major operational NWP centres and updating the requirements of all centres for real time access to observational data, principally from satellites. The mechanisms to meet these requirements are also addressed. Through NAEDEX, a mature framework for identifying, documenting and addressing requirements has been developed. This framework has been adapted by the APSDEU community and work is now underway to develop a comprehensive framework incorporating all users' requirements.

The meeting was hosted by the UK MetOffice and was attended by representatives from:

- Bureau of Meteorology;
- China Meteorological Agency (CMA);
- Deutscher Wetterdienst (DWD);
- European Centre for Medium Range Weather Forecasting (ECMWF);
- EUMETSAT;
- Japan Meteorological Agency (JMA);
- Japan Space Exploration Agency (JAXA);
- Korea Meteorological Administration (KMA);
- Météo-France;
- Meteorological Service of Canada (MSC), ;
- National Oceanic and Atmospheric Administration (NOAA);
- UK MetOffice; and
- World Meteorological Organization (WMO) Space Programme.

3. The US delegation was smaller than had originally been planned due to restrictions on travel for US government employees. A full list of attendees and their affiliations is provided at Attachment A.

4. This meeting was the second joint meeting of the APSDEU and NAEDEX groups. Recognising the success of the joint format, the meeting agreed that all future APSDEU-NAEDEX meetings would be held jointly under a new banner. This decision recognises the rising importance of Asia-Pacific satellite operators over the past decade and the recognition, by North American and European parties, that their needs can no longer be fully met by an exchange between themselves.

5. Whilst the scope of the meeting is the exchange of any data of value to numerical weather prediction (NWP), whether as input or for validation, the focus is primarily on the exchange of satellite data between its members. This is due to satellite data making up the bulk of observations assimilated into operational NWP. Most of the meeting attendees represent either data providers or data users, predominantly NWP centres.

### Conduct of Meeting

6. The meeting format for NAEDEX, which has evolved over the previous 23 sessions, is formalised and outcome-focused. Firstly, each participant gives an update on activities within their own agency; this is followed by a review of actions from the previous meeting. The crux of the meeting is the tabling of consolidated formal data requirements from each side of the Atlantic; i.e. from Europe and North America. Each requirement is discussed in turn with the aim of fulfilling the requirements through agreed action items.

7. The joint meeting was conducted using the NAEDEX framework with an additional table of requirements generated for the Asia-Pacific. This included Asia-Pacific requirements from North America and Europe, and the requirements of North America and Europe for data derived from the Asia-Pacific.

8. Information about the meeting can be found at:

[http://www.metoffice.gov.uk/conference/NAEDEX\\_APSDEU\\_meeting](http://www.metoffice.gov.uk/conference/NAEDEX_APSDEU_meeting)

9. The meeting presentations can be found at:

[http://www.nws.noaa.gov/data\\_exchange\\_mtgs/](http://www.nws.noaa.gov/data_exchange_mtgs/) under the heading:  
APSDEU-12 NAEDEX-24 Met Office Exeter, UK Oct 2012

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