

OB7 Release Contents
Conditionally Approved by the SREC (April 12, 2005)
Combined Tactical and Strategic Listings

- **Software maintenance**
 - **DRs from previous releases**
 - FSL (40), MDL (40), SEC (80), OHD (37)
- **Radar**
 - **Super-resolution 88D base products**
 - **Mesocyclone Detection Algorithm**
 - **Send environmental data from AWIPS to RPG**
 - **Add products to TDWR SPG ***
 - candidates are: composite reflectivity (CZ and/or ULR), VAD wind profile (VWP), Vertically Integrated Liquid (VIL).
- **Model data**
 - **NOGAPS (OB6 SREC)**
 - **FNMOG Wave Watch model guidance (OB6 SREC)**
 - **GFS BUFR Sounding Data (OB6 SREC)**
 - **All 12 km Eta products CONUS & AK upgraded to 10 km from North American Mesoscale WRF**
 - **Full suite of SREF products for CONUS and Alaska**
 - **ECMWF model ***
 - **All 20 km RUC products upgraded to 13 km**
- **Hydrology**
 - **Operational Implementation of Distributed Hydrologic**
 - **WHFS HydroView Enhancement to “Mapper”**
 - **Integration of RFC QPE tools into a common National System NDFD**
 - **Integrate CHPS Data Services for RRS**
- **Satellite**
 - **Polar Microwave Products***
- **GFE**
 - **Develop and incorporation of a new Universal Formatter (UFOR) for CRS**
 - **Grid Initialization***
 - **Add the capability to use NCDC climatological data in GFE for display, smart tools, and formatters***
 - **OPC and TAFB Offshore Gridded Significant Wave Height Forecasts in GFE***

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- **Decision Assistance**
 - **SCAN: Auto-nowcaster short-term convective forecast application**
 - **4D Storm Cell Investigator (NSSL WDSSII display on AWIPS)**
 - **SAFESEAS Enhancements**
 - Fog Monitor (OB6 SREC)
 - Rip Current Products
 - Add MAROBS to data type list (OB6 SREC)
 - **FFMP: Gridded precipitation**
 - **Guardian (OB6 SREC)**
 - **System for Nowcasting Of Winter Weather (SNOW) (OB6 SREC)**
 - **Aviation Forecast preparation System (AVNFPS)**

- **NDFD**
 - **NDFD grid sub sectors for RFCs via AWIPS**
 - **Analysis of Record**
 - **Extend geographic domain of NDFD products to cover Offshore and High Seas domain**
 - **New NDFD elements (TPC's Gridded Probabilistic Winds and OPC and TAFB Offshore Gridded Significant Wave Height Forecasts**

- **Infrastructure**
 - **Displace Real Time (preliminary development via OSIP)**
 - **Improve installation times**
 - **Develop prototype data distribution method**
 - Simplify and improve methods of delivering data.
 - **COTS Upgrades (e.g., gcc compiler, Postgres)**
 - **Convert RFC Archiver Databases & Software to PostgreSQL**
 - **Technology Transfer (e.g., GFE Support, Climate, HWR, Communications, Radar Display*)**
 - **Decommission DS**
 - Dial-out Radar replacement*
 - **Decommission WWA**
 - **GFE/GHG Infrastructure**
 - **GRIB2 Decoder (MDL to NCEP)**
 - **Removing local data access on NAS**
 - **Modify architecture to allow more frequent release**
 - **Directive Changes**

Notes: * Under review by the development organizations for OB7