

Draft OB7.1 Release Contents
01/13/2006

- **Release 7.1**

- **Infrastructure**

- **Decommission DS**

- Port Dial-Up Radar, LDAD capability, MHS, GFE

- **COTS Upgrades (e.g., operating system, gcc compiler)**

- **D2D, ADAPT, OHD, GFE, Contractor, RFC software**

- **Time Zone Changes**

- Name change for Guam ([Deploy prior to OB7.1 to Guam](#))
 - Indiana ([Deploy prior to OB7.1 to no more than 3 sites](#))
 - DST Start/End time changes

- **Key West Identifier Change ([Deployed prior to OB7.1 to selected sites around Key West](#))**

- **New Chat Server Client**

- **Convert RFC Archiver Databases & Software to PostgreSQL**

- **IFPS Enhancements**

- Postgres conversion,

- **Additional Frame Capability (64)**

- **Display Subset of GFE parameters in D2D**

- **Installation with Red Hat Package Manager**

- **GFE**

- **Data Items**

- 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
 - Add the capability to use Gridded MOS data in GFE for display, smart tools, and formatters
 - **Model name change from ETA to NAM**

- **Regional Change requests**

- SRF Formatter
 - **CWF/Infra: provide option to label 24-hr periods with day of week (tk4468)**

- **Directive Changes (NWS 10-503)**

- Changes in GFE Practice Mode
 - Temperature Phrasing changes (10-503)
 - Cloud Category Changes (10-503)
 - No upper PoP thresholds for ZFP (10-503)
 - Steady Temperature Phrases (10-503)
 - Sky/Wx/Pop phrasing (10-503)
 - Product Expiration Times (all)
 - SFT addition of nighttime PoPs
 - **This DCS also includes derived requirements and required fmtr infrastructure changes to support the above development and compliance with directives. These generally are small development items. These include:**
 - **Limiting increasing/decreasing wording in Scalar Phrases (tk4112)**
 - **Removing issuanceType option in AFD (tk4461)**

- SampleAnalysis: option for getExistingWeightedAggregateCov, getHighestWeightedAggregateCov and noWx_Percentage thresholds (tk4539,4551,4555)
- AFD update section before Discussion section (tk4544)
- includeCities, includeZoneName, cityDescriptor additions to GenericReport (tk4576)
- cmd line variables to override Definition entries (tk4577)
- getPopType refinements in ScalarPhrases (tk4589)
- Allowed Hazards changes for tropical (tk4630)
- ZFP/SAF ordering of wind summary and report Trends (tk4633)
- More complete error recovery from infinite loop (tk4640)
- Sky/Pop/Wx and local effects (tk4552)
- VTEC default mode of "O", except for "X" on MWS
- TCV/CWF VTEC UPG headlines
- FFA list of counties/areas and wording improvements

– Improvements to Automated testing - Changes to support improved automated support improved testing. This includes:

- Changing server protocol to accommodate special transactions such as zeroing the VTEC active table and allowing modification of server read-only files. (These would be restricted to the GFETEST user.)
- Adding -a switch to configureTextProducts and ifpServer command line to use alternate afos2awips.txt file for purposes of testing text formatters.
- Allow automated routines to modify read-only files in order to fully test some aspects of formatter configuration (restricted to automated tests and GFETEST user).
- logstream.py logging limited when compared to LogStream for file naming (tk4599)
- changes to scripts to generate release notes, particularly the automated creation of a test matrix document
- ifpServer behavior for GFETEST user, to skip the standard BASE, SITE, User sequence and only look at BASE, User. This would eliminate the need to remove site-level configuration overrides which can cause confusion on the tester's part when the expected results do not occur with the automated tests.

– Infrastructure Improvements - Small enhancements for GUI and other Infrastructure operations of GFE involving infrastructure.

Improvements includes these type of tasks:

- Spell checker enhancement (tk4473)
- Product Editor generation of segment times in error (tk4538)
- WindChill/Heat Index tools conform to limits (tk4598)
- MakeHazard procedure -add descriptors (tk4600)
- MakeHazard procedure - LB.Y needs to be added (tk4601)
- MergeHazards procedure -should be writable (tk4608)
- Ice Desk Configuration for AFC in serverConfig (tk4624)
- SiteInfo for IWX needs updating (tk4626)
- Diagnostics for bad wx key or discrete key, show original string (tk4627)
- configureTextProducts for RFCs should ignore unknown WFO info (tk4614)

- iscMosaic - add configurable delay for grids for MDL svc bckup (tk4652)

- **Model**

- **Gridded MOS (CONUS)-5km grid, issued 2x daily**

- **Radar**

- **Snowfall Accumulation Product**

- **Aviation Forecast Preparation System (AVNFPS) Version 3.2**

- Use CCFP to monitor TAFs,
- Enhance TAF QC,
- Support extended (30-h) TAF,
- Support ceiling and visibility grids experiment,
- Overhaul TWEB QC routines

- **Satellite**

- **Polar Visible and IR Imagery**

- **RSA Modifications**

- Tabular text application
- LDAD storage changes to accommodate more frequent reports
- Time Series changes to ordinate (y-axis) labeling
- Volume Browser
 - accommodation for feet and ft AGL in VB height scales
 - on-the-fly analysis of mesonet data in VB
 - radar data avbl in VB for cross sections, etc.
 - range rings extension
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- **LDADLAPS/MSAS**

- **Software maintenance**

- **DRs**

- **OB6.Final Repair Release DRs**