

**NATIONAL WEATHER SERVICE POLICY DIRECTIVE 30-12**  
**AUGUST 27, 2002**

***Maintenance, Logistics, & Facilities***

***CONFIGURATION AND DATA MANAGEMENT***

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**NOTICE:** This publication is available at: <http://www.nws.noaa.gov/directives/>.

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**OPR:** W/OPS13 (M. Detommaso)

**Certified by:** W/OPS (J. McNulty)

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***SUMMARY OF REVISIONS:*** Supersedes Weather Service Operations Manual (WSOM) Chapter A-21, NWS Configuration Management for Operational Systems, 88-09, dated October 20, 1988.

1. Configuration Management (CM) establishes operational equipment hardware, software and documentation baselines and ensures changes occur to operational equipment in a controlled manner. Data Management (DM) administers the appropriate level of administrative review and technical tracking for the operational equipment documentation and data. This policy directive defines the National Weather Service (NWS) CM and DM program and applies to all NWS personnel.
2. CM provides a structure to record engineering life cycle information needed to design, build, and maintain nationally supported operational weather equipment operated by the NWS. DM provides a system to manage and support the technical documentation, requirements specifications, and appropriate administrative data for this equipment. This policy directs the documentation of system configurations to ensure proper identification, correlation to associated requirements and engineering design information, and the management of technical data. Technical data includes, but is not limited to, engineering drawings, site identifiers, data schedules, associated lists, requirements specifications, manufacturing specifications and engineering standards. CM and DM control equipment configurations and associated technical data, to ensure NWS fielded systems meet operational needs throughout their life cycle.
3. This directive establishes the following authorities and responsibilities:
  - 3.1 The Assistant Administrator for Weather Services is responsible for the overall implementation of the CM/DM policy.
  - 3.2 NWS Headquarters Office Directors, Regional Directors, and the Director of the National Centers for Environmental Prediction are responsible for administering CM/DM procedures within their organizations. In addition, they will: ensure personnel report CM information to NWS Headquarters;

recommend approval or disapproval of systems designated for CM control; assure compliance with CM/DM procedures for systems designated for CM control; and ensure personnel understand and carry out CM/DM responsibilities.

3.3 The Director, Office of Operational Systems (OPS), is responsible for developing, implementing and maintaining CM/DM procedures and designating systems under CM control. OPS will develop and manage CM/DM processes, and is responsible for the identification, control, status accounting, and audits of systems under CM control. OPS will: ensure consistent and systematic methods for the identification of equipment, documents, drawings, and data lists defining system baselines; assign site identifiers to ensure uniform designation of NWS equipment locations; provide CM/DM guidance to ensure systems and components are documented to reflect performance, functional and physical requirements; and initiate periodic audits of system configurations to ensure compliance. OPS will operate and maintain CM repositories and DM processes for equipment under configuration control.

3.4 Meteorologists-In-Charge, Hydrologists-In-Charge, and Officials-In-Charge are responsible for assuring site processes comply with NWS and site-specific CM/DM procedures and local guidelines; CM/DM guidance plans are developed and implemented; employees with assigned CM/DM roles understand and carry out their responsibilities; and all site personnel are aware of CM/DM requirements.

3.5 NWS employees will comply with NWS CM/DM policy and procedures. NWS employees or contractors will not authorize or make unauthorized changes to systems under CM control.

4. To measure compliance with this policy directive, OPS CM Departments will develop metrics for each system under CM control. The metrics will measure how responsible organizations have satisfied CM/DM requirements and maintained CM integrity. All operating units will review and monitor the full suite of CM reports, baseline documentation, site configuration data and authorizing document information available from OPS CM.

<u>Signed By</u>	<u>August 27, 2002</u>
John J. Kelly, Jr.	Date
Assistant Administrator	
for Weather Services	