

***NATIONAL WEATHER SERVICE POLICY DIRECTIVE 10-11***

***October 27, 2010***

***Operations and Services***

***SPACE WEATHER SERVICES***

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

**OPR:** W/OS7 (K. Schrab)

**Certified by:** OS (D. Caldwell)

**Type of Issuance:** Routine

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***SUMMARY OF REVISIONS:*** This directive supersedes National Weather Service (NWS) Policy Directive 10-11, dated October 26, 2004 and recertified December 7, 2006. Title of Directive changed, removing “Program.” The name of the former Space Environment Center (SEC) has been changed to the Space Weather Prediction Center (SWPC). Added new Section 2.2, outlining Office of Science and Technology (OST) role with satellite support, and renumbered following sections accordingly. Added “and other National Centers” to Section 2.3. Section 2.4 language modified to reflect prioritization of operations within SWPC. Added Section 2.6 to address international coordination. Per NOAA Office of General Counsel for Atmospheric and Space Services and Research (GCW), replaced “customers” with “users” in section 3.

- 1.** The objectives of National Weather Service (NWS) Space Weather Services (SWS) are to provide space weather forecast information and services to the Nation for protection of life and property, and to develop new products and services to meet the needs of users of space weather information and services.
- 2.** This directive assigns the following authorities and responsibilities:
  - 2.1** The Office of Climate, Water, and Weather Services (OCWWS) is responsible for:
    - a. Preparing policy and procedure directives.
    - b. Managing standard system programs.
    - c. Consolidating and analyzing performance and effectiveness indicators.
  - 2.2** The Office of Science and Technology will plan, develop, demonstrate, and integrate scientific techniques and system capabilities for Space Weather Services.
  - 2.3** NWS regional headquarters offices, the Aviation Weather Center and other National Centers, the Alaska Aviation Weather Unit, Weather Forecast Offices, Center Weather Service Units, and the Spaceflight Meteorology Group will maintain awareness and knowledge of space weather events, routing specific questions to the Space Weather Prediction Center (SWPC).
  - 2.4** The SWPC, which is part of the National Centers for Environmental Prediction (NCEP),

is responsible for monitoring space weather, and producing specifications, predictions, guidance, and outlooks to support SWS. The SWPC will perform applied research and development to improve space weather products and leverage these improvements into operational services. The SWPC, in partnership with the Air Force Weather Agency (AFWA), has also begun the process of establishing a Space Weather Prediction Testbed (SWPT) to promote the transition of space weather models to operations at NCEP and AFWA.

**2.5** All NWS SWS components will ensure space weather products and information are standardized and consistent.

**2.6** SPWC will coordinate space weather services with the World Meteorological Organization and the International Civil Aviation Organization.

**3.** The NWS will measure the effectiveness of the SWS as determined by products and services delivered to supported users.

**4.** Procedural directives will be issued to implement this policy as needed and determined by the Director, OCWWS.

<u>Signed</u>	<u>October 13, 2010</u>
John L. Hayes	Date
Assistant Administrator	
for Weather Services	