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§ 8501. Definitions

In this chapter:

(1) Seasonal

The term “seasonal” means the time range between 3 months and 2 years.

(2) State

The term “State” means a State, a territory, or possession of the United States, including a Commonwealth, or the District of Columbia.

(3) Subseasonal

The term “subseasonal” means the time range between 2 weeks and 3 months.

(4) Under Secretary

The term “Under Secretary” means the Under Secretary of Commerce for Oceans and Atmosphere.

(5) Weather industry and weather enterprise

The terms “weather industry” and “weather enterprise” are interchangeable in this chapter, and include individuals and organizations from public, private, and academic sectors that contribute to the research, development, and production of weather forecast products, and primary consumers of these weather forecast products.

(Pub. L. 115–25, §2, Apr. 18, 2017, 131 Stat. 92.)

Editorial Notes

REFERENCES IN TEXT

This chapter, referred to in text, is Pub. L. 115–25, April 18, 2017, 131 Stat. 91, known as the Weather Research and Forecasting Innovation Act of 2017, which is classified principally to this chapter. For complete classification of this Act to the Code, see Short Title note set out below and Tables.

Statutory Notes and Related Subsidiaries

SHORT TITLE OF 2022 AMENDMENT

Pub. L. 117–229, div. D, §1, Dec. 16, 2022, 136 Stat. 2313, provided that: “This Act [enacting subchapter IV of this chapter] may be cited as the ‘Providing Research and Estimates of Changes In Precipitation Act’ or the ‘PRECIP Act.’”

SHORT TITLE OF 2019 AMENDMENT

Pub. L. 115–423, §1, Jan. 7, 2019, 132 Stat. 5454, provided that: “This Act [enacting section 8550 of this title and section 4010 of Title 33, Navigation and Navigable Waters, amending sections 313d, 8512, 8518 to 8521, 8531, and 8532 of this title and sections 4001 to 4002 and 4009 of Title 33, enacting provisions set out as a note under section 4001 of Title 33, and amending provisions set out as a note under section 313d of this title] may be cited as the ‘National Integrated Drought Information System Reauthorization Act of 2018.’”

SHORT TITLE

Pub. L. 115–25, §1(a), Apr. 18, 2017, 131 Stat. 91, provided that: “This Act [enacting this chapter and sections 3206a and 3208 of Title 33, Navigation and Navigable Waters, amending sections 3201 to 3207 of Title 33, and enacting and repealing provisions set out as notes under section 3201 of Title 33] may be cited as the ‘Weather Research and Forecasting Innovation Act of 2017.’”

SUBCHAPTER I—UNITED STATES WEATHER RESEARCH AND FORECASTING IMPROVE- MENT

§ 8511. Public safety priority

In conducting research, the Under Secretary shall prioritize improving weather data, modeling, computing, forecasting, and warnings for the protection of life and property and for the enhancement of the national economy.

(Pub. L. 115–25, title I, §101, Apr. 18, 2017, 131 Stat. 92.)

§ 8512. Weather research and forecasting innovation

(a) Program

The Assistant Administrator for the Office of Oceanic and Atmospheric Research shall conduct a program to develop improved understanding of and forecast capabilities for atmospheric events and their impacts, placing priority on developing more accurate, timely, and effective warnings and forecasts of high impact weather events that endanger life and property.

(b) Program elements

The program described in subsection (a) shall focus on the following activities:

(1) Improving the fundamental understanding of weather consistent with section 8511 of this title, including the boundary layer and other processes affecting high impact weather events.

(2) Improving the understanding of how the public receives, interprets, and responds to warnings and forecasts of high impact weather events that endanger life and property.

(3) Research and development, and transfer of knowledge, technologies, and applications to the National Weather Service and other appropriate agencies and entities, including the United States weather industry and academic partners, related to—