

StormQuant

Application for Modification of Experimental Authority to Undertake Testing and Demonstrations

Narrative Statement

Purpose of Experiment

StormQuant is developing commercial “fine grain” Doppler radar technology to provide real-time monitoring of local weather conditions. StormQuant is dedicated to providing access to real time, local HD weather information for underserved areas of the United States including rural municipalities, small regional airports, ports, power companies, energy companies, shipping and transportation companies, and first responders.

Grant of experimental authority will allow StormQuant to test and demonstrate its technology. StormQuant will test and demonstrate its weather radar to identify both meteorological events (fog, drizzle, rain, hail, sleet, snow, tornados) and non-meteorological events (wildfire smoke plumes, volcanic smoke plumes, bird/insect migration).

Existing Experimental Authorization

StormQuant holds experimental authority to test and demonstrate its Doppler weather radar technology at four sites in Florida. See WM2XGB, File No. 0986-EX-CN-2021. In this application, StormQuant seeks authority to add two additional sites: one at the U.S. Space Force Base at Cape Canaveral, and the other at NASA’s Kennedy Space Center.

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