

AESA Radar Experimental For Demonstration Request

1. Purpose of Operation

. Mission statement: This is a Corporate funded investment to develop an extended-range AMRAAM, integrate with NASAMS and AESA Sentinel and demonstrate with 2 live firings

What is the duration of the demonstration: We are planning to perform Integration and Test activities in Pelham, NH from July through Oct 2015. From there we hope to go to a live fire site and perform a live fire demo Nov-Dec 2015 (test range coordination/selection/funding in the works so I can't speak to those details yet...). We do have a stretch goal to move the dates of I&T in Pelham up a month (start in June) so if we can request up to 6 months for a given location I would recommend June 1- Oct 31 2015. Or does the 6 months include the live fire demo location as well (in which case for the whole program I would request July-Dec 2015)

- Files Number: 0690-EX-PL-2014
- _ Class of Station: FIXED
- _ Station Location: FIXED
- _ Effective Date: 11/27/2014
- _ Expiration Date: 11/21/2015

2. Experimental Explanations

AMRAAM, integrate with NASAMS and AESA Sentinel and demonstrate with 2 live firings. Will conduct developmental testing and evaluation on the radar system Most of the time, programmed search scanning is within the vertical region of 0 to 15 degrees, covering a vertical sector of sequential beams in about 13 milliseconds. Search scanning is interrupted by individual beams placed anywhere within the electronic scan volume as necessary to maintain track on previously detected aircraft or projectiles