

Request for Special Temporary Authority

Northrop Grumman Systems Corporation (“NGSC”) hereby requests a grant of Special Temporary Authority (“STA”) to operate a fixed experimental radio facility in Annapolis (Anne Arundel County), Maryland to evaluate and test an active phased array radar system developed by CEA Technologies of Australia. NGSC respectfully requests consideration of this STA application in time to commence testing on September 20, 2010.

The experimental transmissions at the location specified will involve radar that produces 1.9 MW effective radiated power while operating at 2.9125 GHz. This radar will have a signal bandwidth of 40 MHz and a tuning bandwidth of 400 MHz. The type of modulation is Non-Linear Frequency Modulation. The emission designator is 40M0FXN, and the antenna gain is 30 dB.