

Northrop Grumman Systems Corporation
1274-EX-ST-2016
Application for STA
Exhibit

Application for Special Temporary Authority

Northrop Grumman Systems Corporation (NGSC) in this application requests Special Temporary Authority (STA) for six months for the purpose of using a signal generator and standard gain horn antenna to calibrate an EW system receiver.

The antenna will be located on an existing 15.25 meter (50 foot) pole located 400 meters from the Chesapeake Bay Bridge, a suspension bridge with 379-foot (115.5 meter) high towers. There also is a water tower 300 meters away that is higher than the pole.

The commercial standard gain horn antenna is similar to an L3-com Narda 640 WR90. It will be vertically oriented with vertical polarization, 0 degrees at horizon, and azimuth of 120 degrees.