

Northrop Grumman Systems Corporation
1278-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 testing the airborne data link capabilities of the new Silvus equipment detailed in the application.

Question 4: Directional Antenna Information. The Silvus SC3800C and associated equipment employs MIMO technology to accomplish beamforming. The resulting transmit and receive beamwidth is 3 degrees. Orientation in the horizontal and vertical planes will be directional and vary to-and-from the airborne and fixed locations.