

# Arent Fox

October 3, 2012

**FILED ELECTRONICALLY**

Mr. Walter Johnston, Acting Chief  
Federal Communications Commission  
Office of Engineering and Technology  
Experimental Licensing Branch  
Washington, DC. 20554

**Re: Request for Expedited Processing and Grant for Very Limited 8 day STA from October 20, 2012 through and including October 27, 2012 at Annual Meeting and Exposition of the Association of the United States Army (AUSA)**

**DRS Sustainment Systems, Inc.**

**Application For Special Temporary Authority  
File No. 0788-EX-ST-2012**

Dear Mr. Johnston:

On behalf of DRS Sustainment Systems, Inc. (“DRS SSI”), this letter is to request expedited processing of the above-referenced application (“Application”) wherein DRS SSI has requested that the Commission grant special temporary authority (“STA”) to permit DRS SSI to operate the facilities specified in the STA Request for a very limited 8 day period from October 20, 2012 through and including October 27, 2012.

As explained at Exhibit 1, DRS SSI will be an exhibitor at AUSA Annual Meeting (<http://tinyurl.com/8beynwc>) and will be demonstrating its Adaptive Mission Payload (AMP) technology to potential military customers. To remove soldiers from harm’s way, unmanned ground vehicles (UGVs) are being leveraged for dangerous missions such as IED detection and neutralization. Since IEDs are a constantly evolving threat, any solution must have the ability to quickly evolve to stay ahead. The Adaptive Mission Payload (AMP) is a system that provides an unparalleled level of field re-configurability and ease of new technology insertion for both platforms and peripherals through an advanced “plug and play” methodology. Thus, the AMP allows for the integration of navigation sensors, mission sensors, and mobility platforms to create an intelligent UGV. The AMP hardware is a synthesis of commercial off the shelf products including a communications module. This Application is filed to obtain transmitting authority for the communications module portion of the system.

While the conference is scheduled for October 22-24, 2012, obtaining a grant effective as of October 20 will permit DRS to conduct preliminary tests of the equipment prior to the start of the

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conference, and permitting operations through October 27 will allow DRS SSI sufficient time to package the system for transport after conclusion of the conference.

Expedited grant is requested for this very limited 8 day period is requested not only due to the short duration of the operating period, but also because:

- The facilities will be operated indoors, at very low power levels. As specified in the Application, maximum ERP of the operations will be 242 mW (for 4942.5-4987.5 MHz), 832 mW (for 4945-4985 MHz) and 1.82W for 4950-4980 MHz).
- Authority is requested for only limited and sporadic operation of the facilities only during the times the conference is session. Specifically, operation of the facilities will occur only between 8am-5pm (ET).
- The facilities operate using line of sight technology. As a result of operating indoors, the effective communication range of the facilities is reduced thereby decreasing the likelihood of interfering with other facilities.
- The facilities have the ability to select a communication channel within the permitted frequency ranges (4942.5-4987.5 MHz, 4945-4985 MHz, and 4950-4980 MHz). A channel is selected based on the usage of the other available channels, and the selection is generally made to reduce interference with other active channels.
- Similar operations were recently authorized for temporary demonstrations at Ft. Leonard Wood, MO pursuant to File No. 0665-EX-ST-2012, which should facilitate consideration and coordination of the instant Application.

For the reasons set forth above, DRS SSI has demonstrated the need for expedited processing in this particular case. DRS greatly appreciates the Commission's attention to this matter.

Should any questions arise with respect to the instant Application, please do not hesitate to contact undersigned.

Sincerely,

A handwritten signature in blue ink that reads "Jeff Rummel" followed by a stylized monogram "ERD".

Jeff Rummel  
Attorney for DRS Sustainment Systems, Inc.