

**REQUEST FOR VERY LIMITED 26 DAY STA
FROM AND INCLUDING JULY 5, 2014 THROUGH AND INCLUDING JULY 30, 2014
TO CONDUCT DEMONSTRATIONS AT FT. HUACHUCA**

1. Introduction

By the instant application (“Application”), DRS Technical Services, Inc. (“DRS”) requests that the Commission grant a very limited 26 day special temporary authority (“STA) to permit DRS to operate the facilities (the “Facilities”) specified in the instant application to conduct a demonstration at Ft. Huachuca, Arizona, as part of a military exercise being observed by the US Army and other ally countries.

2. Purpose and Nature of the Operation/Mitigation of Interference

The requested operations are required in order for DRS to participate in important demonstrations as part of *Enterprise Challenge '14* (EC'14) at Ft. Huachuca, which is designed to allow agencies within the DoD and international partners to observe new technologies and capabilities, as well as the integration of some of those technologies across intelligence platforms.

DRS has been invited to participate in this program next month,¹ to demonstrate its capabilities specifically with respect to the operation of 3G and 4G links for senior Army personnel. The 3G equipment provides the connection for a data gathering device while the 4G equipment provides real time video to the war fighter. Both systems, 3G and 4G, will relay text messaging and photos for processing. These demonstrations are in furtherance of DRS' performance of a government contract which calls for DRS to develop communications systems for the Army Material Command (AMC), Research and Development Engineering Command (RDECOM), under the Last Tactical Mile (LTM) Support Contract, W15P7T-10-D-D416 (Army POC: Lisa Gaydas, Army Contracting at (443)861-4923). DRS is the primary contractor to provide support services for system development and fielding of LTM Solutions at the Communications – Electronics Research, Development and Engineering Center's (CERDEC's) Intelligence and Information Warfare Directorate (I2WD).

DRS is well aware that requests to expedite processing and grant of experimental applications such as this STA Request place additional requirements on the Commission's resources, and the company submits expedite requests only in appropriate circumstances and where no other alternative exists. In this regard, DRS had previously included the Ft. Huachuca facilities in a larger 2 year license request under File No. 0259-EX-PL-2014, with the hopes that the 2 year application would be granted in time for this particular demonstration. Because it appears that the 2 year application is not likely to be granted by July 5 and in time for these demonstrations, DRS has acted quickly to submit this Application, which seeks seek short-term Commission authority to operate only on those facilities required for the EC'14 exercise at Ft.

¹ The demonstration itself is planned to commence July 10, 2014, but grant is requested as of July 5, 2014 to permit pre-demonstration testing and set-up to ensure a successful demonstration.

Huachuca to which DRS has been invited.² In addition to the foregoing, expedited processing in this case is appropriate because the potential impact on co-channel emitters will be minimized due to the following factors:

- These will be strictly ground-operations, located solely at Ft. Huachuca, and will be coordinated as requested with the on-site spectrum management office to ensure no interference with operations at the base.
- Authority is requested for only sporadic operation of the facilities during the majority of the authorized timeframe. Specifically, operation of the facilities is expected to occur only from 7 am-6 pm local time. There may be extended periods of non-operation during the authorized period, while other non-RF transmission aspects of the experiment are conducted.
- The transmit antennas for these ground-based transmissions are highly directional. In this regard, DRS will perform a radio frequency (RF) site survey before beginning the requested operations, involving the collection of co-channel data and the assembly of spectral plots in four directions: north, east, south, and west. After the data is collected, the spectrum plots (as well as FCC licensing data) are reviewed for potential interference, and the operational plan is adjusted to ensure that DRS will not affect other users of the frequency spectrum. Further, the requested facilities can monitor the RF spectrum during testing, which allows for adjustments to the transmission plan.

A waiver of the Station ID requirement of Section 5.115 is respectfully requested.

3. "Stop Buzzer"

The following DRS personnel will be available by wireless telephone and will act as a "stop buzzer" if any issues regarding interference arise during testing:

Rich Ramsey - Program Operations Manager
Cell: (443) 280-5352.

For the foregoing reasons, DRS respectfully submits that the expedited approval of this application is in the public's interest, convenience, and necessity.

² Because long-term operations are still required for all of the locations and frequencies specified in pending File No. 0259-EX-PL-2014, that two-year application will continue to be prosecuted by DRS independently from this STA Request.