

**United States of America  
FEDERAL COMMUNICATIONS COMMISSION  
EXPERIMENTAL  
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WC9XUI

(Call Sign)

0250-EX-ST-2007

(File Number)

NAME DRS Sustainment Systems, Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

**Purpose Of Operation:**

This STA will be used to allow the AN/PPS-5C Radar System to be demonstrated to personnel of the Department of Homeland Security (DHS) and to personnel of potential prime contractors to the

**Station Locations**

- (1) MOBILE: Operation will be in the vicinity of Huntsville, AL, within 100 km, centered around NL 34-43-50; WL 86-35-09
- (2) MOBILE: Operation will be in the vicinity of DRS SSI Facility in Ferguson, MO, within 100 km, centered around NL 38-43-30; WL 90-18-15
- (3) MOBILE: Operation will be in the vicinity of Fort Walton Beach, FL, within 100 km, centered around NL 30-24-27; WL 86-37-07
- (4) MOBILE: Operation will be in the vicinity of Pensacola, FL, within 100 km, centered around NL 30-25-18; WL 86-37-07
- (5) MOBILE: Operation will be in teh vicinity of Palm Bay, FL, within 100 km, centered around NL 28-02-16; WL 80-35-00
- (6) MOBILE: Operation will be in the vicinity of Yuma, AZ, within 100 km, centered around NL 32-43-32; WL 114-37-30
- (7) MOBILE: Operation will be in the vicinity of Las Cruces, NM, within 100 km, centered around NL 32-18-44; WL 106-46-46
- (8) MOBILE: Operation will be in the vicinity of Playas, NM, within 100 km, centered around NL 31-58-03; WL 108-36-45
- (9) MOBILE: Operation will be in the vicinity of Deming, NM, within 100 km, centered around NL 32-15-54; WL 107-45-33
- (10) MOBILE: Operation will be in the vicinity of Baltimore, MD, within 100 km, centered around NL 39-17-27; WL 76-36-43

This authorization effective September 26, 2007 and  
will expire 3:00 A.M. EST March 26, 2008

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



Station Locations

- (11) MOBILE: Operation will be in the vicinity of Fairfax, VA, within 100 km, centered around NL 38-50-48; WL 77-18-21
- (12) MOBILE: Operation will be in the vicinity of Imperial Beach, CA, within 100 km, centered around NL 32-35-03; WL 117-06-50
- (13) MOBILE: Operation will be in the vicinity of El Centro, CA, within 100 km, centered around NL 32-47-31; WL 115-33-50
- (14) MOBILE: Operation will be in the vicinity of Tucson, AZ, within 100 km, centered around NL 32-13-20; WL 110-55-37
- (15) MOBILE: Operation will be in the vicinity of El Paso, TX, within 100 km, centered around NL 31-47-01; WL 106-27-42
- (16) MOBILE: Operation will be in the vicinity of Lynden , WA, within 100 km, centered around NL 48-56-48; WL 122-27-13
- (17) MOBILE: Operation will be in the vicinity of Houlton, ME, within 100 km, centered around NL 46-07-35; WL 67-50-22

## Frequency Information

MOBILE: Operation will be in the vicinity of Huntsville, AL, within 100 km, centered around NL 34-43-50; WL 86-35-09

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M0P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

MOBILE: Operation will be in the vicinity of DRS SSI Facility in Ferguson, MO, within 100 km, centered around NL 38-43-30; WL 90-18-15

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

MOBILE: Operation will be in the vicinity of Fort Walton Beach, FL, within 100 km, centered around NL 30-24-27; WL 86-37-07

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

## Frequency Information

MOBILE: Operation will be in the vicinity of Pensacola, FL, within 100 km, centered around NL 30-25-18; WL 86-37-07

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

MOBILE: Operation will be in teh vicinity of Palm Bay, FL, within 100 km, centered around NL 28-02-16; WL 80-35-00

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

MOBILE: Operation will be in the vicinity of Yuma, AZ, within 100 km, centered around NL 32-43-32; WL 114-37-30

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

MOBILE: Operation will be in the vicinity of Las Cruces, NM, within 100 km, centered around NL 32-18-44; WL 106-46-46

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

## Frequency Information

MOBILE: Operation will be in the vicinity of Playas, NM, within 100 km, centered around NL 31-58-03; WL 108-36-45

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

MOBILE: Operation will be in the vicinity of Deming, NM, within 100 km, centered around NL 32-15-54; WL 107-45-33

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

MOBILE: Operation will be in the vicinity of Baltimore, MD, within 100 km, centered around NL 39-17-27; WL 76-36-43

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

MOBILE: Operation will be in the vicinity of Fairfax, VA, within 100 km, centered around NL 38-50-48; WL 77-18-21

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

## Frequency Information

MOBILE: Operation will be in the vicinity of Imperial Beach, CA, within 100 km, centered around NL 32-35-03; WL 117-06-50

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

MOBILE: Operation will be in the vicinity of El Centro, CA, within 100 km, centered around NL 32-47-31; WL 115-33-50

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

MOBILE: Operation will be in the vicinity of Tucson, AZ, within 100 km, centered around NL 32-13-20; WL 110-55-37

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

MOBILE: Operation will be in the vicinity of El Paso, TX, within 100 km, centered around NL 31-47-01; WL 106-27-42

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

## Frequency Information

MOBILE: Operation will be in the vicinity of Lynden , WA, within 100 km, centered around NL 48-56-48; WL 122-27-13

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

MOBILE: Operation will be in the vicinity of Houlton, ME, within 100 km, centered around NL 46-07-35; WL 67-50-22

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 16.75-17.25 GHz | MO            | 12M2P0N<br>11M5Q3N  | 25 kW (ERP)      |                           |

## Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) Licensee shall apply any sector blanking as requested by the DoD Area Frequency Coordinator.
- (4) The following cease buzzer point of contacts must be available during all testing/demos.  
Mr. James Groesch      314-553-4156  
Mr. Gary Leeper      314-553-4536
- (5) Operations at Ferguson, MO are limited to the band 17-17.25 GHz to prevent interference to government operations in the area.

**Special Conditions:**

- (6) The following locations must coordinate prior to operations with the DoD Area Frequency Coordinator:

Fort Walton Beach, FL: coordination with DoD Gulf Area Frequency Coordinator, Eglin AFB, FL (850) 882-4416 prior to commencing operation.

Pensacola, FL: coordination with DoD Gulf Area Frequency Coordinator, Eglin AFB, FL (850) 882-4416 prior to commencing operation.

Palm Bay, FL: coordination with DoD Eastern Area Frequency Coordinator, Patrick AFB, FL (321) 494-5838 prior to commencing operation.

Yuma, AZ: coordination with DoD Area Frequency Coordinator Arizona, Ft Huachuca, AZ (520) 538-6423 prior to commencing operation.

Las Cruces, NM: coordination with DoD Area Frequency Coordinator Whitesands Missile Range, (505) 678-5417 prior to commencing operation.

Playas, NM: coordination with DoD Area Frequency Coordinator Whitesands Missile Range, (505) 678-5417 prior to commencing operation.

Deming, NM: coordination with DoD Area Frequency Coordinator Whitesands Missile Range, (505) 678-5417 prior to commencing operation.

Imperial Beach, CA: coordination with DoD Western Area Frequency Coordinator, Pt Mugu, CA (805) 989-7983 prior to commencing operation.

El Centro, CA: coordination with DoD Western Area Frequency Coordinator, Pt Mugu, CA (805) 989-7983 prior to commencing operation.

Tucson, AZ: coordination with DoD Area Frequency Coordinator Arizona, Ft Huachuca, AZ (520) 538-6423 prior to commencing operation.

El Paso, TX: coordination with DoD Area Frequency Coordinator Whitesands Missile Range, (505) 678-5417 prior to commencing operation.

- (7) No objections to operations at the following locations:  
Huntsville, AL; Baltimore, MD; Fairfax, VA; Lyden, WA; Houlton, ME.