

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WE2XPT

(Call Sign)

0111-EX-RR-2014

(File Number)

NAME DRS C3 & Aviation Company

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(f, g, i) of the Commission's Rules

Station Locations

- (1) MOBILE: St. Louis, MO - DRS SSI Facility, within 100 km, centered around NL 38-43-33; WL 90-18-27
- (2) MOBILE: Huntsville, Alabama., within 100 km, centered around NL 34-44-27; WL 86-36-01
- (3) MOBILE: Fort Walton Beach, Florida, within 100 km, centered around NL 30-24-20; WL 86-37-08
- (4) MOBILE: Pensacola, Florida, within 100 km, centered around NL 30-25-16; WL 87-13-01
- (5) MOBILE: Palm Bay, Florida, within 100 km, centered around NL 28-02-04; WL 80-35-13
- (6) MOBILE: Yuma, Arizona., within 100 km, centered around NL 32-43-29; WL 114-37-25
- (7) MOBILE: Las Cruces, New Mexico., within 100 km, centered around NL 32-18-46; WL 106-46-41
- (8) MOBILE: Playas, new Mexico., within 100 km, centered around NL 31-55-00; WL 108-32-04
- (9) MOBILE: Deming, New Mexico., within 100 km, centered around NL 32-16-07; WL 107-45-29
- (10) MOBILE: Baltimore, Maryland, within 100 km, centered around NL 39-17-25; WL 76-36-45
- (11) MOBILE: Fairfax, Virginia, within 100 km, centered around NL 38-51-06; WL 77-17-53
- (12) MOBILE: Impeerial Beach, California, within 100 km, centered around NL 32-34-36; WL 117-07-04
- (13) MOBILE: El Centro, California., within 100 km, centered around NL 34-47-12; WL 115-33-50
- (14) MOBILE: Tucson, Arizona, within 160 km, centered around NL 32-13-40; WL 110-56-40
- (15) MOBILE: El Paso, Texas, within 100 km, centered around NL 31-45-48; WL 106-29-30

This authorization effective June 01, 2014 and
will expire 3:00 A.M. EST June 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

- (16) MOBILE: Lynden, Washington., within 100 km, centered around NL 48-56-47; WL 122-27-33
- (17) MOBILE: Houlton, Maine, within 100 km, centered around NL 46-07-32; WL 67-50-29
- (18) MOBILE: Detroit, Michigan., within 100 km, centered around NL 42-19-49; WL 83-02-45
- (19) MOBILE: Wyndmoor, Pennsylvania., within 100 km, centered around NL 40-05-28; WL 75-11-14
- (20) MOBILE: Twenty-Nine Palms, California., within 100 km, centered around NL 34-08-08; WL 116-03-57
- (21) MOBILE: Mesa, AZ., within 100 km, centered around NL 33-24-55; WL 111-49-23
- (22) MOBILE: Sierra Vista, AZ., within 100 km, centered around NL 31-33-50; WL 110-18-59
- (23) MOBILE: Billerica, MA, within 100 km, centered around NL 42-37-48; WL 71-17-24
- (24) MOBILE: Goleta, CA, within 100 km, centered around NL 34-26-06; WL 119-50-06
- (25) MOBILE: San Miguel, CA, within 100 km, centered around NL 35-45-18; WL 120-41-24
- (26) MOBILE: Princeton, NJ, within 100 km, centered around NL 40-20-42; WL 74-39-18
- (27) MOBILE: Gaithersburg, MD, within 100 km, centered around NL 39-07-48; WL 77-12-18
- (28) MOBILE: Horsham, PA, within 100 km, centered around NL 40-10-47; WL 75-07-30
- (29) MOBILE: Largo, FL, within 100 km, centered around NL 27-54-54; WL 82-47-06
- (30) MOBILE: Nogales, AZ, within 160 km, centered around NL 31-20-42; WL 110-56-06
- (31) MOBILE: Douglas, AZ, within 160 km, centered around NL 31-21-00; WL 109-33-00
- (32) MOBILE: Columbus, NM, within 160 km, centered around NL 31-50-05; WL 107-38-37
- (33) MOBILE: Indianapolis, IN, within 100 km, centered around NL 39-44-22; WL 86-09-18
- (34) MOBILE: Crane, IN, within 100 km, centered around NL 38-53-27; WL 86-54-02

Frequency Information

MOBILE: St. Louis, MO - DRS SSI Facility, within 100 km, centered around NL 38-43-33; WL 90-18-27

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO		25 kW (ERP)	
		12M2P0N		
		11M5Q3N		
		21M3P0N		
		42M0F0N		

MOBILE: Huntsville, Alabama., within 100 km, centered around NL 34-44-27; WL 86-36-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO		25 kW (ERP)	
		12M2P0N		
		11M5Q3N		
		21M3P0N		

Frequency Information

MOBILE: Huntsville, Alabama., within 100 km, centered around NL 34-44-27; WL 86-36-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	42M0F0N	25 kW (ERP)	

MOBILE: Fort Walton Beach, Florida, within 100 km, centered around NL 30-24-20; WL 86-37-08

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N	25 kW (ERP)	
		11M5Q3N		
		21M3P0N		
		42M0F0N		

MOBILE: Pensacola, Florida, within 100 km, centered around NL 30-25-16; WL 87-13-01

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N	25 kW (ERP)	
		11M5Q3N		
		21M3P0N		
		42M0F0N		

MOBILE: Palm Bay, Florida, within 100 km, centered around NL 28-02-04; WL 80-35-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N	25 kW (ERP)	
		11M5Q3N		
		21M3P0N		

Frequency Information

MOBILE: Palm Bay, Florida, within 100 km, centered around NL 28-02-04; WL 80-35-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	42M0F0N	25 kW (ERP)	

MOBILE: Yuma, Arizona., within 100 km, centered around NL 32-43-29; WL 114-37-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N	25 kW (ERP)	
		11M5Q3N		
		21M3P0N		
		42M0F0N		

MOBILE: Las Cruces, New Mexico., within 100 km, centered around NL 32-18-46; WL 106-46-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	42M0F0N	25 kW (ERP)	
		12M2P0N		
		11M5Q3N		
		21M3P0N		

MOBILE: Playas, new Mexico., within 100 km, centered around NL 31-55-00; WL 108-32-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N	25 kW (ERP)	
		11M5Q3N		
		21M3P0N		

Frequency Information

MOBILE: Playas, new Mexico., within 100 km, centered around NL 31-55-00; WL 108-32-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	42M0F0N	25 kW (ERP)	

MOBILE: Deming, New Mexico., within 100 km, centered around NL 32-16-07; WL 107-45-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N 11M5Q3N 21M3P0N 42M0F0N	25 kW (ERP)	

MOBILE: Baltimore, Maryland, within 100 km, centered around NL 39-17-25; WL 76-36-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N 11M5Q0N 21M3P0N 42M0F0N	25 kW (ERP)	

MOBILE: Fairfax, Virginia, within 100 km, centered around NL 38-51-06; WL 77-17-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N 11M5Q3N 21M3P0N	25 kW (ERP)	

Frequency Information

MOBILE: Fairfax, Virginia, within 100 km, centered around NL 38-51-06; WL 77-17-53

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	42M0F0N	25 kW (ERP)	

MOBILE: Imperial Beach, California, within 100 km, centered around NL 32-34-36; WL 117-07-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N	25 kW (ERP)	
		11M5Q3N		
		21M3P0N		
		42M0F0N		

MOBILE: El Centro, California., within 100 km, centered around NL 34-47-12; WL 115-33-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N	25 kW (ERP)	
		11M5Q3N		
		21M3P0N		
		42M0F0N		

MOBILE: Tucson, Arizona, within 160 km, centered around NL 32-13-40; WL 110-56-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N	25 kW (ERP)	
		11M5Q3N		
		21M3P0N		

Frequency Information

MOBILE: Tucson, Arizona, within 160 km, centered around NL 32-13-40; WL 110-56-40

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	42M0F0N	25 kW (ERP)	

MOBILE: El Paso, Texas, within 100 km, centered around NL 31-45-48; WL 106-29-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N	25 kW (ERP)	
		11M5Q3N		
		21M3P0N		
		42M0F0N		

MOBILE: Lynden, Washington., within 100 km, centered around NL 48-56-47; WL 122-27-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N	25 kW (ERP)	
		11M5Q3N		
		21M3P0N		
		42M0F0N		

MOBILE: Houlton, Maine, within 100 km, centered around NL 46-07-32; WL 67-50-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N	25 kW (ERP)	
		11M5Q3N		
		21M3P0N		

Frequency Information

MOBILE: Houlton, Maine, within 100 km, centered around NL 46-07-32; WL 67-50-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	42M0F0N	25 kW (ERP)	

MOBILE: Detroit, Michigan., within 100 km, centered around NL 42-19-49; WL 83-02-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N	25 kW (ERP)	
		11M5Q3N		
		21M3P0N		
		42M0F0N		

MOBILE: Wyndmoor, Pennsylvania., within 100 km, centered around NL 40-05-28; WL 75-11-14

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N	25 kW (ERP)	
		11M5Q3N		
		21M3P0N		
		42M0F0N		

MOBILE: Twenty-Nine Palms, California., within 100 km, centered around NL 34-08-08; WL 116-03-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N	25 kW (ERP)	
		11M5Q3N		
		21M3P0N		

Frequency Information

MOBILE: Twenty-Nine Palms, California., within 100 km, centered around NL 34-08-08; WL 116-03-57

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	42M0F0N	25 kW (ERP)	

MOBILE: Mesa, AZ., within 100 km, centered around NL 33-24-55; WL 111-49-23

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N 11M5Q3N 21M3P0N 42M0F0N	25 kW (ERP)	

MOBILE: Sierra Vista, AZ., within 100 km, centered around NL 31-33-50; WL 110-18-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	12M2P0N 11M5Q3N 21M3P0N 42M0F0N	25 kW (ERP)	

MOBILE: Billerica, MA, within 100 km, centered around NL 42-37-48; WL 71-17-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	11M5Q3N 12M2P0N 21M3P0N	25 kW (ERP)	

Frequency Information

MOBILE: Billerica, MA, within 100 km, centered around NL 42-37-48; WL 71-17-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	42M0F0N	25 kW (ERP)	

MOBILE: Goleta, CA, within 100 km, centered around NL 34-26-06; WL 119-50-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	11M5Q3N	25 kW (ERP)	
		12M2P0N		
		21M3P0N		
		42M0F0N		

MOBILE: San Miguel, CA, within 100 km, centered around NL 35-45-18; WL 120-41-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	11M5Q3N	25 kW (ERP)	
		12M2P0N		
		21M3P0N		
		42M0F0N		

MOBILE: Princeton, NJ, within 100 km, centered around NL 40-20-42; WL 74-39-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	11M5Q3N	25 kW (ERP)	
		12M2P0N		
		21M3P0N		

Frequency Information

MOBILE: Princeton, NJ, within 100 km, centered around NL 40-20-42; WL 74-39-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	42M0F0N	25 kW (ERP)	

MOBILE: Gaithersburg, MD, within 100 km, centered around NL 39-07-48; WL 77-12-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	11M5Q3N 12M2P0N 21M3P0N 42M0F0N	25 kW (ERP)	

MOBILE: Horsham, PA, within 100 km, centered around NL 40-10-47; WL 75-07-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	11M5Q3N 12M2P0N 21M3P0N 42M0F0N	25 kW (ERP)	

MOBILE: Largo, FL, within 100 km, centered around NL 27-54-54; WL 82-47-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	11M5Q3N 12M2P0N 21M3P0N	25 kW (ERP)	

Frequency Information

MOBILE: Largo, FL, within 100 km, centered around NL 27-54-54; WL 82-47-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	42M0F0N	25 kW (ERP)	

MOBILE: Nogales, AZ, within 160 km, centered around NL 31-20-42; WL 110-56-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	11M5Q3N 12M2P0N 21M3P0N 42M0F0N	25 kW (ERP)	

MOBILE: Douglas, AZ, within 160 km, centered around NL 31-21-00; WL 109-33-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	11M5Q3N 12M2P0N 21M3P0N 42M0F0N	25 kW (ERP)	

MOBILE: Columbus, NM, within 160 km, centered around NL 31-50-05; WL 107-38-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	11M5Q3N 12M2P0N 21M3P0N	25 kW (ERP)	

Frequency Information

MOBILE: Columbus, NM, within 160 km, centered around NL 31-50-05; WL 107-38-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	42M0F0N	25 kW (ERP)	

MOBILE: Indianapolis, IN, within 100 km, centered around NL 39-44-22; WL 86-09-18

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	11M5Q3N 12M2P0N 21M3P0N 42M0F0N	25 kW (ERP)	

MOBILE: Crane, IN, within 100 km, centered around NL 38-53-27; WL 86-54-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
16.75-17.25 GHz	MO	11M5Q3N 12M2P0N 21M3P0N 42M0F0N	25 kW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) The designated point-of-contact to terminate transmissions if interference occurs are: James Groesch (314) 553-4156 and Gary Leeper (314) 553-4536.

Special Conditions:

- (5) 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.

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

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

Tucson, 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 in the state of New Mexico or other U.S. territory within a 240 kilometer radius of WSMR, plus the area of Utah and Colorado that lies south of 41 NORTH and between 108 and 111 WEST..

Playas, NM: coordination with DoD Area Frequency Coordinator Whitesands Missile Range, (505) 678-5417 prior to commencing operation in the state of New Mexico or other U.S. territory within a 240 kilometer radius of WSMR, plus the area of Utah and Colorado that lies south of 41 NORTH and between 108 and 111 WEST..

Deming, NM: coordination with DoD Area Frequency Coordinator Whitesands Missile Range, (505) 678-5417 prior to commencing operation in the state of New Mexico or other U.S. territory within a 240 kilometer radius of WSMR, plus the area of Utah and Colorado that lies south of 41 NORTH and between 108 and 111 WEST.

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.

El Paso, TX: coordination with DoD Area Frequency Coordinator Whitesands Missile Range, (505) 678-5417 prior to commencing operation in the state of New Mexico or other U.S. territory within a 240 kilometer radius of WSMR, plus the area of Utah and Colorado that lies south of 41 NORTH and between 108 and 111 WEST.

Special Twenty-Nine Palms, CA: coordination with DoD Western Area Frequency Coordinator, Pt Mugu, CA (805) 989-7983 prior to commencing operation.

- (6) Licensee shall apply any sector blanking as requested by the DoD Area Frequency Coordinator.