

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WD2XKU

(Call Sign)

0500-EX-ST-2004

(File Number)

NAME MVS USA, 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:

Conducting trials of user terminals to ensure that the system technical performance and features are met under all conditions using the existing Inmarsat 3 satellite.

Station Locations

- (1) MOBILE: At temporarily fixed locations in Washington, DC and vicinity, within 75 km, centered around NL 38-54-11; WL 77-01-02
- (2) MOBILE: At temporarily fixed locations in New York City, NY, Long Island, NY and NJ area, within 75 km, centered around NL 40-45-24; WL 74-00-00
- (3) MOBILE: At temporarily fixed locations in Harleysville, PA and immediate vicinity, within 8 km, centered around NL 40-17-57; WL 75-26-33
- (4) MOBILE: At temporarily fixed locations in Satellite Beach, FL and immediate vicinity, within 8 km, centered around NL 28-09-10; WL 80-35-04
- (5) MOBILE: At temporarily fixed locations in Ellsworth, ME and immediate vicinity, within 8 km, centered around NL 44-33-40; WL 68-24-50
- (6) MOBILE: At temporarily fixed locations in Moraga, CA and immediate vicinity, within 8 km, centered around NL 37-51-37; WL 122-07-25
- (7) MOBILE: At temporarily fixed locations in Aurora, CO and immediate vicinity, within 15 km, centered around NL 39-35-34; WL 104-45-03

This authorization effective September 02, 2004 and
will expire 3:00 A.M. EST November 26, 2004

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: At temporarily fixed locations in Washington, DC and vicinity, within 75 km, centered around NL 38-54-11; WL 77-01-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.65-1627.15 MHz	MO	31K2D7W 31K2G7W 156KD7W 156KG7W	51.8 W (ERP)	
1630.7-1631.035 MHz	MO	31K2D7W 31K2G7W 156KD7W 156KG7W	51.8 W (ERP)	
1638.5-1643 MHz	MO	31K2D7W 31K2G7W	51.8 W (ERP)	
1649.82-1650.05 MHz	MO	31K2D7W 31K2G7W 156KD7W 156KG7W	51.8 W (ERP)	

MOBILE: At temporarily fixed locations in New York City, NY, Long Island, NY and NJ area, within 75 km, centered around NL 40-45-24; WL 74-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.65-1627.15 MHz	MO	156KD7W 156KG7W 31K2D7W 31K2G7W	51.8 W (ERP)	

Frequency Information

MOBILE: At temporarily fixed locations in New York City, NY, Long Island, NY and NJ area, within 75 km, centered around NL 40-45-24; WL 74-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1630.7-1631.035 MHz	MO	156KD7W 156KG7W 31K2D7W 31K2G7W	51.8 W (ERP)	
1638.5-1643 MHz	MO	31K2D7W 31K2G7W	51.8 W (ERP)	
1649.82-1650.05 MHz	MO	156KD7W 156KG7W 31K2D7W 31K2G7W	51.8 W (ERP)	

MOBILE: At temporarily fixed locations in Harleysville, PA and immediate vicinity, within 8 km, centered around NL 40-17-57; WL 75-26-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.65-1627.15 MHz	MO	156KD7W 156KG7W 31K2D7W 31K2G7W	51.8 W (ERP)	
1630.7-1631.035 MHz	MO	156KD7W 156KG7W 31K2D7W 31K2G7W	51.8 W (ERP)	

Frequency Information

MOBILE: At temporarily fixed locations in Harleysville, PA and immediate vicinity, within 8 km, centered around NL 40-17-57;
WL 75-26-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1638.5-1643 MHz	MO	31K2D7W 31K2G7W	51.8 W (ERP)	
1649.82-1650.05 MHz	MO	156KD7W 156KG7W 31K2D7W 31K2G7W	51.8 W (ERP)	

MOBILE: At temporarily fixed locations in Satellite Beach, FL and immediate vicinity, within 8 km, centered around NL 28-09-10; WL 80-35-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.65-1627.15 MHz	MO	156KD7W 156KG7W 31K2D7W 31K2G7W	51.8 W (ERP)	
1630.7-1631.035 MHz	MO	156KD7W 156KG7W 31K2D7W 31K2G7W	51.8 W (ERP)	
1638.5-1643 MHz	MO	31K2D7W 31K2G7W	51.8 W (ERP)	
1649.82-1650.05 MHz	MO	156KD7W 156KG7W	51.8 W (ERP)	

Frequency Information

MOBILE: At temporarily fixed locations in Satellite Beach, FL and immediate vicinity, within 8 km, centered around NL 28-09-10; WL 80-35-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1649.82-1650.05 MHz	MO	31K2D7W 31K2G7W	51.8 W (ERP)	

MOBILE: At temporarily fixed locations in Ellsworth, ME and immediate vicinity, within 8 km, centered around NL 44-33-40; WL 68-24-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.65-1627.15 MHz	MO	156KD7W 156KG7W 31K2D7W 31K2G7W	51.8 W (ERP)	
1630.7-1631.035 MHz	MO	156KD7W 156KG7W 31K2D7W 31K2G7W	51.8 W (ERP)	
1638.5-1643 MHz	MO	31K2D7W 31K2G7W	51.8 W (ERP)	
1649.82-1650.05 MHz	MO	156KD7W 156KG7W 31K2D7W 31K2G7W	51.8 W (ERP)	

Frequency Information

MOBILE: At temporarily fixed locations in Moraga, CA and immediate vicinity, within 8 km, centered around NL 37-51-37; WL 122-07-25

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.65-1627.15 MHz	MO	156KD7W	51.8 W (ERP)	
		156KG7W		
		31K2D7W		
		31K2G7W		
1630.7-1631.035 MHz	MO	156KD7W	51.8 W (ERP)	
		156KG7W		
		31K2D7W		
		31K2G7W		
1638.5-1643 MHz	MO	31K2D7W	51.8 W (ERP)	
		31K2G7W		
1649.82-1650.05 MHz	MO	156KD7W	51.8 W (ERP)	
		156KG7W		
		31K2D7W		
		31K2G7W		

MOBILE: At temporarily fixed locations in Aurora, CO and immediate vicinity, within 15 km, centered around NL 39-35-34; WL 104-45-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1626.65-1627.15 MHz	MO	156KD7W	51.8 W (ERP)	
		156KG7W		
		31K2D7W		
		31K2G7W		

Frequency Information

MOBILE: At temporarily fixed locations in Aurora, CO and immediate vicinity, within 15 km, centered around NL 39-35-34;
WL 104-45-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1630.7-1631.035 MHz	MO	156KD7W	51.8 W (ERP)	
		156KG7W		
		31K2D7W		
		31K2G7W		
1638.5-1643 MHz	MO	31K2D7W	51.8 W (ERP)	
		31K2G7W		
1649.82-1650.05 MHz	MO	156KD7W	51.8 W (ERP)	
		156KG7W		
		31K2D7W		
		31K2G7W		

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) POINT OF COMMUNICATION: INMARSAT Satellite
- (3) Prior to operation of this experimental earth station with any INMARSAT satellite system, the satellite service provider must obtain an appropriate authorization from the International Bureau of the Federal Communications Commission.