



DELAWARE RIVER PORT AUTHORITY
of Pennsylvania & New Jersey

Robert A. Box
 Director of Engineering/Chief Engineer
 Engineering Division

October 25, 1999

Federal Communications Commission
 Transportation Infrastructure Radio Service
 P. O. Box 358320
 Pittsburgh, PA 15251-5320

Faxed to 717-338-2696 PMRS

Attn: PMRS

Dear Analyst:

In accordance with Section 90.145 of the Commission's Rules, the Delaware River Port Authority requests special temporary authority ("STA") to operate a non-multi-lateration Location and Monitoring Service system for the purpose noted below.

The Delaware River Port Authority is a Bi-State Agency of the Commonwealth of Pennsylvania and State of New Jersey and, as such, is fee exempt.

In support of this request, the following is shown:

1. Applicant's Name and Address

Delaware River Port Authority
 One Port Center
 2 Riverside Drive
 P. O. Box 1949
 Camden, NJ 08101-1949

Attn: Robert A. Box, P.E., Director of Engineering/Chief Engineer

Phone (856)968-2062

Fax (856)968-2113

Approved STA should be faxed back to the applicant.

2. Need for Special Action:

The STA is requested in order for us to start up new Transportation Infrastructure Radio Service equipment being operated as non-multi-lateration Location and Monitoring Service (LMS) system on a commuter railroad system. The two locations must be operational for a test on November 15, 1999. A permanent license application is being submitted in accordance with the new rules published March 23, 1995, as updated.

DRPA is an equal opportunity employer

3. Type of Operation

The type of operation is field testing and initial system operation.

4. Purpose of Operation

The LMS system will be used at each end of a commuter railroad to automatically identify individual cars and train consists. This information will then be processed to activate an automatic train identification and public address system facilitating use of the commuter line by disabled persons. The system consists of a reader that transmits a wake-up trigger to a Part 15 type accepted vehicular mounted transponder tag that responds with a unique identification number and other related data using a low power transmission.

5. Date of Operation

The initial field test is scheduled to start November 15, 1999..

6. Class of Station

The station class is LR Radiolocation, Land.

7. Location of Proposed Operation

The sites planned for operation under this STA are shown the attached table. These sites are at each end of a 14 mile commuter railroad at the lat/long locations described.

8. Number of fixed transmitters and number of mobile units.

Fixed transmitters 2

Mobile mobile transmitters (tags) 121

9. Operating Frequency

This equipment operates on frequencies of 902.988 Mhz, 910.003 Mhz, 914,998 Mhz and 916.944 Mhz.

10. Output Power

Transmitter power output $\leq$ 500 mW.

11. Type of Emission

The emission is 20K0NON.

12. Description of Antenna

The antennas are 10dB, directional, mounted on steel posts 1.8 meters above ground level.

13. Statement of Eligibility

This STA is for a system operation under subpart M. The Transportation Infrastructure Radio Service, being renamed to the Intelligent Transportation System Radio Service. The Delaware River Port Authority is a Bi-State Agency of the Commonwealth of Pennsylvania and State of New Jersey.

14. Anti-Drug Abuse Certification

The applicant hereby certifies that neither it, its officers and directors, nor any party with a five percent or greater interest in this request for special temporary authority has been convicted of offenses consisting of the distribution or possession of controlled substances, as such terms are defined in Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C.862.

Very truly yours,



Robert A. Box, P.E.

Director of Engineering/Chief Engineer

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GJO/WAW:B

Attachment

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List of Locations

Location	Latitude	Longitude	Elev.	# of Transmitters
Lindenwold Station Lindenwold, NJ	39-50-04N	75-00-03W	2'	1
15/16th St. Station Philadelphia, PA	29-56-55N	75-10-08W	85'	1