

EXHIBIT #1

Item No. 7: Purpose of Request

Mark IV IVHS, Inc. ("Mark IV") is requesting authority under Section 5.202 of the Commission's rules for the purpose of conducting (1) experimentations; (2) research; (3) technical demonstrations; (4) field strength surveys; (5) demonstrations of equipment to prospective purchasers; (6) testing; (7) developments of radio technique, equipment, operational data, or engineering data; and (8) limited market studies.

Mark IV is continuing to develop new FCC Type Accepted/Approved Transportation Infrastructure Radio Service equipment and promotes its use for non-multilateral Location and Monitoring Service ("LMS") systems at toll bridge, customs and other facilities.

Mark IV's LMS systems will be operated at trade shows and other venues to demonstrate how to automatically identify vehicles and expedite their passage for pre-registered North American Trade Automation Prototype ("NATAP") trucks/loads under NAFTA. The system consists of a reader that transmits a wake-up trigger in each lane to a Part 15 type accepted vehicular mounted transponder that responds with a unique identification number and other trip related data using low power transmission powered from an internal battery. The equipment to be used also includes new generations of LMS tag readers developed by Mark IV to meet requirements of the E-ZPass NY/NJ/PA Interagency Group and of others with similar electronic toll collection and vehicle monitoring requirements. Each reader unit contains RF modules and transmitters that are operated in sequential fashion to poll transponders for toll ticketing and other purposes.

The operation of Mark IV's LMS systems as proposed here will contribute to the development and extension of radio technology to enhance the efficiency of use of the transportation infrastructure, improve mobility and reduce traffic congestion, enable quicker emergency incident response from public safety agencies, improve safety inspection of commercial vehicles while reducing costly weigh station and border crossing delays, reduce health care costs attributable to traffic accidents, improve the management and security of the flow of hazardous materials throughout the nation and help realize billions of dollars of gain in economic productivity.

Mark IV IVHS, Inc.
Form 442 Exhibit