

ATTACHMENT 1

TECHNICAL DESCRIPTION OF THE I3 AOR-W SATELLITE TESTS

MVS USA, Inc. ("MVS") is working with Inmarsat Limited ("Inmarsat") to develop and market the new Regional Broadband Global Area Network ("R-BGAN") service. The new Inmarsat satellite, Inmarsat 4 ("I4") will be launched in late-2004, will include coverage of the United States and is to provide commercial R-BGAN service in 2005. Prior to commercial launch, Inmarsat is working with service providers to conduct testing and demonstrations using the I3 satellites. The new type of Inmarsat user terminal for R-BGAN service is not currently used in the U.S. Therefore, MVS requests this authorization in order to test a limited number of these terminals and demonstrate the system's capabilities in the U.S. prior to launch of I4. The laboratory tests associated with the migration system have been finalized and a set of trials have been completed in Europe using the Inmarsat 3 ("I3") Indian Ocean Region satellite located at 25 E. Additional tests in the United States are necessary to minimize the lead time to provide commercial service after the I4 satellite is launched.

To perform this phase of testing and demonstration, the existing I3 Atlantic Ocean Region-W satellite located at 54W would be used. To operate the terminals, an experimental license is required from the Commission. Such testing is designed to ensure that the system's technical performance and features are met under all conditions. MVS seeks authorization to conduct testing across the continental United States. MVS expects, however, most of its testing to be conducted in either its New Jersey office, at the site of its potential customers (many of which are located in Washington, D.C.) or at other neutral third party sites throughout the country.

However, regardless of test site location, MVS does not expect testing to cause interference to other licensed services or systems. The particular L-band frequencies MVS requests are already assigned to and are being used by Inmarsat pursuant to the existing five-party coordination agreement (the "Mexico Agreement" for coordination of the L-band spectrum among the United States, Canada, Mexico, Russia and Inmarsat). Furthermore, Inmarsat has conducted certain tests and simulations associated with current versions of these terminals and the service migration system using the I3 Indian Ocean Region satellite and no interference events were experienced. The current user terminal has been in commercial service in Europe and the Middle East for 13 months, it is CE certified and has the ITU GMPCS-MoU mark. Additionally, the external antenna has also been commercially deployed (albeit on different terminals). For these reasons, MVS does not expect any interference with licensed operations during the testing of these upgraded terminals.

Finally, the operation of these user terminals will be in full compliance with the Commission's radio frequency ("RF") exposure guidelines, pursuant to Table 1 of Section 1.1307(b)(1) which states routine environment evaluation is not required for Experimental Radio Services if the power is less than 100 Watts ERP. The maximum power from these terminals will be 51.8 Watts ERP. Also, these user terminals will be

secured from access by the general public and will be operated by experienced test personnel.