Application for Experimental Authority

Exhibit 1

I. Introduction

New ICO Satellite Services G.P. ("ICO") submits this request for experimental authority to conduct tests using mobile earth terminals ("METs") to validate performance in connection with planned mobile satellite services (MSS) and ancillary terrestrial component ("ATC") operations.[1] ICO currently holds authorizations to conduct experimental testing using terrestrial base stations in the Las Vegas, Nevada area and the Raleigh-Durham, North Carolina area.[2] These authorizations permit the testing of a number of terrestrial base stations to gauge base station coverage, to determine base station coverage relative to satellite coverage, and to plan proper integration of the ATC network with MSS network operations. In connection with these authorizations, ICO seeks authority to conduct a combination of technical trials and limited market studies in the Las Vegas and Raleigh-Durham areas, employing up to 150 METs in each geographic area. ICO expects to continue testing for a period of approximately one year.

II. Background

ICO holds a letter of intent authorization to provide MSS to the United States using a geostationary satellite operating from the 92.85 W.L. orbital location, with downlink transmissions in the 2180-2200 MHz band and receiving uplink transmissions in the 2000-2020 MHz band. ICO's operations will include ATC, including terrestrial base stations operating in the 2180-2200 MHz band that will ensure signal coverage where line-of-sight satellite transmissions might be blocked by buildings or terrain. ICO G1 satellite was successfully launched on April 14, 2008, and ICO certified its satellite system operational status to the Federal Communications Commission (the "Commission") on May 9, 2008.[3]

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[1] ICO currently has applications before the Commission for blanket authorizations to deploy up to 1,000,000 METs and to deploy ATC terrestrial base stations. File No. SES-LIC-20071203-01646; File No. SES-AMD-20080118-00075; File No. SES-AMD-20080219-00172. ICO understands that grant of this experimental license is without prejudice to the pending applications.

[2] File No. 0599-EX-PL-2007, Call Sign WE2XLQ; File No. 0095-EX-PL-2008, Call Sign WE2XQX.

[3] Letter from Suzanne H. Malloy, New ICO Satellite Services G.P. to Marlene H. Dortch, Federal Communications Commission, Call Sign S2651 (filed May 9, 2008). The Commission, by its International Bureau, issued a Public Notice on May 30, 2008 making the determination that ICO has met its final milestone and providing notice that ICO has selected the 2010-2020 MHz and the 2180-2190 MHz frequency bands as its selected assignment. *See Policy Branch; Actions Taken*, Report No. SAT-00526, File No. SAT-MOD -20070806-00110 (May 30, 2008)(Public Notice).

III. Description and Purpose of Experimental Operation

The proposed tests will involve the transmission of signals from and to METs in a portion of the 2 GHz MSS bands (i.e., 2000-2020 MHz uplink and 2180-2200 MHz downlink) in order to ascertain the proper function of the forward-link (2 GHz downlink to earth stations) and the return-link (2 GHz uplink to the satellite). Accordingly, there is a need for temporary access to the 2 GHz spectrum for testing purposes. These tests will verify the function of handset and portable transceiver terminals, and test the interoperability of those terminals with ICO's MSS/ATC system design.

ICO METs will receive a 5 megahertz DVB-SH signal from the ICO G1 satellite, and a 5 megahertz DVB-SH signal from authorized terrestrial base stations in the trial areas.[4] When within a certain proximity to the terrestrial base stations, the base station signal will be the primary signal. When moving away from the terrestrial base stations, the satellite signal will become the primary signal. ICO would like to perform testing and take measurements on the handoff of signals between the satellite and terrestrial base stations.

ICO METs will also transmit to and receive from the ICO G1 satellite employing GMR carriers. The GMR carriers will include two-way data communications. ICO would like to perform testing to determine the effects of varying terrain and foliage, highway over-passes, building blockage and ground cover on satellite/MET communications. ICO would also like to perform testing and take measurements in connection with spot beam to spot beam handoff within the trial areas.

III. Need for Testing; Non-Commercial Use; Limited Test Period

This application seeks approval for tests to be conducted in a limited geographic area, and with a limited number of METs. Specifically, tests would be conducted exclusively within the Las Vegas Designated Market Area (DMA) and a cluster of DMAs in the Raleigh-Durham area. The Raleigh-Durham cluster is comprised of the following DMAs: Raleigh-Durham, NC; Charlotte, NC; Greensboro-Highpoint-Winston-Salem, NC; Wilmington, NC; Columbia, SC; Charleston, SC; Greenville-North Bern– Washington, SC; Florence-Myrtle Beach, SC; and, Norfolk-Portsmouth-Newport News, VA. BAS operations have already been relocated or will be relocated from former BAS channels 1 and 2 (1990-2025 MHz) to the new BAS band plan above 2025 MHz by August, 2008, and no later than September, 2008.[5] ICO would operate up to 150

[4] ICO's METs will not transmit a DVB-SH signal during the course of the testing and trials. The OET Experimental Licensing System does not accommodate receive-only devices. All transmissions from ICO METs are included in the related Form 442 Application.

[5] *See Improving Public Safety Communications in the 800 MHz Band*, 23 FCC Rcd 4393, ¶43 (2008). The markets have been cleared, or are scheduled to be cleared, as follows: Las Vegas, NV (Complete); Raleigh-Durham, NC (July 2008); Charlotte, NC (Complete); Greensboro-Highpoint-Winston-Salem, NC (June 2008); Wilmington, NC (Aug 2008); Columbia, SC (Aug 2008); Charleston, SC (Aug 2008); Greenville-North Bern– Washington, SC (Aug 2008); Florence-Myrtle Beach, SC (Aug 2008); and, Norfolk-Portsmouth-Newport News, VA

METs in each geographic area. Technical parameters of the METs are set forth in the application. ICO seeks permission to conduct this testing for up to one year.

ICO needs to quantify the satellite GMR capacity through load testing with up to 150 devices per market. Tests within the same spot beam and across neighboring spot beams will measure the number of devices accessing the system at a time, and the resulting throughput per device. In order to test network capacity, a significant number of users will be required to collect statistically relevant data regarding usage patterns of ICO's services, including busy hour usage of interactive services. In order to derive useful data related to traffic patterns, 150 units is the smallest number needed. In addition, employing up to 150 METs will enable ICO to get a statistically significant sample of user data in connection with its limited market studies. ICO will not employ more than 150 METs in both markets combined at any point during the trials.

This data will allow ICO to measure performance of the METs to determine terrestrial base station coverage relative to satellite coverage throughout the trial areas, and to plan proper integration of the ATC network with MSS network operations. To ensure that the equipment can be properly integrated into ICO's MSS network and in time for the planned nationwide deployment of its ATC, test data must be available in both the design and initial MSS network implementation phases.

ICO intends to perform a combination of technical trials and limited market studies in connection with this authorization. ICO acknowledges that all transmitting and receiving equipment used in the study shall be owned by ICO. The equipment used for this trial will be strictly for testing purposes. ICO will inform all participants in the experiment that the service and devices are granted under an experimental authorization and is strictly temporary.

ICO acknowledges that operations pursuant to an experimental license are strictly on a non-harmful interference basis. ICO can be contacted 24 hours/7 days per week in the event of interference concerns at the following number: 703-964-1406**.**

(Complete). *See* Letter from Trey Hanbury, Sprint Nextel to Marlene Dortch, Federal Communications Commission, ET Docket No. 02-55 (filed June 1, 2008) Appendix B.