

August 13, 1998

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

RE: FCC Form 442 - Application for New Radio Station Authorization
under Part 5 of FCC Rules - Experimental Radio Service (Other Than Broadcast)
Letter of Intent - Exhibit No. 1

Dear Sir or Madam:

This is to advise that SPEC, Systems & Processes Engineering Corporation, intends to use the Thrane & Thrane TT-3022A Land Mobile Inmarsat-C Type approved satellite communications system for customer demonstration and test purposes only as described below. SPEC is applying for authorization to operate the TT-3022A Land Mobile Earth Station (MES) serial number 940228.

SPEC has been awarded a contract by USAF Air Mobility Command (AMC) which delivers to AMC data communications capabilities in the form of e-mail including transmissions between aircraft in flight and ground-based mission controllers. These aircraft fly missions around the world, and the ground based mission controllers are sometimes required to operate from deployed mobile locations. One of the hardware elements of the deployed ground mission controllers is the TT-3022A.

In order to adequately develop software to meet the needs of the US Government customer, SPEC must test the hardware in concert with our proprietary email type software in a variety of benign (non-warfare) environments in all four INMARSAT oceanic regions. The proprietary email type software includes but is not limited to sending and receiving text based messages via the MES to AMC.

In order to test this configuration, the TT3022A in question must be commissioned into service. We will be operating the unit in and around our headquarters in Austin, Texas, and possibly at our facilities located in Ofallon, Illinois. We were requested by our customer, AMC, to test the units internationally and to ensure successful transmission among the four geo-stationary satellite constellation. We at SPEC appreciate your attention to this matter in achieving the fastest possible turn-around of our request for activation of this unit.

Questions may be directed to me by phone at (512) 479-7732 ext. 2155. Thanks for your immediate attention.

Sincerely,



Nina A. Jarrell
Software Engineer
(512) 479-3322 ext. 2155