

APPLICATION FOR NEW EXPERIMENTAL AUTHORITY

INOVA Geophysical Equipment Limited ("INOVA") hereby requests new experimental authority to begin operation and testing of a proprietary base-to-mobile system in rural areas in Texas in the 30-36 MHz and 150-174 MHz bands.

Nature of experimental operations.

INOVA manufactures geophysical seismic recording equipment. The proposed system for which experimental authority is being sought would utilize radio channels to command and control remote recording units.

The experimental license is required to fully test the system during the development process to prove out new communication techniques. At the conclusion of the testing, INOVA will bring its equipment to production, leasing it to customers who will be trained to operate it by INOVA's personnel.

The nature of the operations and the frequencies requested require that INOVA have experimental authority to conduct its testing, which will be on-going over the course of twenty-four (24) months..

INOVA intends to use its experimental authority to test a large number of seismic sensor points and a few different sites within the State of Texas, providing real seismic data to verify system operation before final delivery to customers. INOVA's system is comprised of two-way communication between base stations communicating with mobile units.

The mobile units are digital recorders with radio frequency command and control from the base station. The base station is provided with high accuracy timing via the Global Positioning System (GPS). The remotes are commanded when precisely to begin taking data and when to stop. Also the mobile units, when commanded, can send status information to the base station. At the conclusion of each round of testing, the remotes are recovered from the field and the data they contained is downloaded and analyzed.

Operational details.

INOVA's system is comprised of a base station communicating with mobile units. At any one point, there may be up to five base stations in operation depending on the layout of the test field and up to 1000 remote units.

The system is designed as a time-division system and thus guarantees that only one remote ever transmits at a time on a given channel. Furthermore, in general operation mode, the remotes only transmit data readings for no longer than 20 milliseconds, approximately every 5 minutes.

Accordingly, given both the rural terrain in which the devices are operated and the very brief duration of the transmissions, INOVA maintains that the risk of interference with other operators is quite minimal.