

APPLICATION FOR PERMANENT EXPERIMENTAL AUTHORITYProposed Program of Use:

Gibbons Systems, Inc. ("Gibbons") herein requests authorization to operate an experimental prototype on a permanent basis in the manner for which it has previously been authorized to operate the facility on a Special Temporary Authority ("STA") basis under the Commission's experimental rules.¹ Gibbons initially sought, and was issued, STA in order to commence testing of a proposed combat rescue system on the basis of a contract from the Defense Advanced Research Projects Agency ("DARPA") within the Department of Defense ("DoD"). The initial tests have proven successful, with the result that DARPA has consented to extend the contract through calendar year 2007. Accordingly, Gibbons is seeking herein to convert its existing temporary authority to permanent experimental authority permitting it to continue its testing under this successful program.

Gibbons' request for permanent experimental authority is supported by good cause. Specifically, Gibbons is developing the subject technology as a combat rescue system, and its ultimate operational use would be limited to combat zones. As identified above, the development of this technology is sponsored by DARPA and there is no intention of adopting the technology for commercial use. However, Gibbons, as a private commercial enterprise working in tandem with DARPA, can only successfully operate its prototype devices for testing and further development under the FCC's experimental rules. With the success of the initial stages of the program, Gibbons has determined that it intends to commit fully to the development of the device in accordance with its DARPA contract.

Under the proposed permanent authority, Gibbons will continue its testing, as before, in Redwood City, CA and in Lowell, MA. Testing and demonstrations for the government will still involve small numbers of units and small amounts of time in these areas. In addition to those original civilian sites, DARPA personnel, through the Department of Defense, and the Joint Personnel Recovery Agency ("JPRA"), through Joint Forces Command, have requested that Gibbons demonstrate the devices at three DARPA/DoD facilities. DARPA and JPRA suggested that those sites be included on this application in order to ensure that Gibbons has authority to operate the devices, particularly for the

¹ Call Sign WC9XGW; most recent renewal issued under File No. 0089-EX-ST-2006.

convenience of the Director of DARPA and possible invitees. Those additional sites have been included on the Form 442 attached hereto.

Federal Funding Information:

This program is authorized and funded by the Advanced Technology Office of DARPA, where it is known as the Rescue Transponder (RT) program, under Contract No. HR0011-04-C-0049.

As before, the program sponsor is:

Dr. Preston Marshall
DARPA ATO
3701 N. Fairfax
Arlington VA 22203
703-696-5273
Email: pmarshall@darpa.mil

Additional program information is available from the SETA for this program at DARPA:

Michael Carroll
DARPA SETA on the RT program
System Planning Corp
703-351-8349
Email: mcarroll@sysplan.com