

STATEMENT CONCERNING PROGRAM OF RESEARCH AND EXPERIMENTATION

Panoscan, Inc. (Panoscan) hereby explains the program of research and experimentation for which it requests an Experimental license.

Panoscan is developing a robot which will served the purpose of allowing law enforcement personnel safely, economically, and quickly to inspect the undercarriage of motor vehicles to detect the presence of bombs, drugs, or contraband. The robot is named the Ferret. To date, Panoscan has developed the Ferret under conditions which have not required an experimental license.¹ However, to improve the Ferret further, Panoscan needs to conduct research and experimentation of a nature which will require Experimental authorization.

The power at which the Ferret operates, using its current antenna design provides a signal which is sufficient for examination of most vehicles, however, there is a need for a more capable model of the robot which allow a complete review of the vehicles which are either so large or are armored (such as an armored car) with less delay and less risk of misinterpretation resulting from impaired signal levels. At present, both the optical sensor and the Ferret antenna are less that six inches above ground. To allow modifications of the device to allow it, for example, to extend its sensor and/or antenna sufficiently to allow a thorough and rapid examination of a cylindrical liquid transport trailer with the operator at a safe distance, Experimental authorization will be required.

At present, there is insufficient information available to Panoscan to allow it to predict the behavior of a modified Ferret with enough certainly to move forward. The requested Experimental authorization will serve the public interest by allowing Panoscan to research the devices under various experimental conditions and develop products which meet the needs of law enforcement agencies and private security services.

¹ Currently pending before the Commission is Panoscan's request for waiver of Section 15.247 of the Commission's Rules, 47 C.F.R. §15.247 to allow the use of digital modulation.