

If all the answers to Items 4, 5, 6 are "NO", include as an exhibit a narrative statement describing in detail the following items:

- a. The complete program of research and experimentation proposed including description of equipment and theory of operation.**
- b. The specific objectives sought to be accomplished.**
- c. How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion or utilization of the radio art, or is along line not already investigated.**

L-3 Communications, pending approval of this application, will conduct a series of experiments with HF and VHF multiband radio equipment. The purpose of the experiment is to:

- 1) Confirm performance of the equipment against engineering specifications
- 2) Characterize field performance of the equipment
- 3) Rehearse scripted equipment demonstrations in support of marketing activities

Towards that end, a base station antenna will be established at each of the sights listed in the application, namely; Victor, NY; Melbourne FL; San Diego, CA; and Fort Wayne, IN. Transportable antennas will then be erected within a 320 km radius from each of the base stations to exercise HF and VHF radio communications. Further, base station to base station HF communications will be attempted between each of the four fixed sights.

The communications will be primarily voice with very limited digital data. Also, encrypted (AES 256) and unencrypted communications will be evaluated.

Upon successful conclusion of the experiments, the equipment will be offered for sale worldwide, subject to US export regulations.