

7. 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.

The program that this experimental FCC license will support is a proprietary multi-function RF system which is being developed by L-3 Mustang Technology. The functionality of the system will be evaluated in ground and airborne environments. The objective of the program is to demonstrate the capabilities of the system for potential commercial and government applications. The proprietary system under development is composed of state of the art technologies which have not been investigated previously.

The system under development will consist of:

- high power transmitter
- a narrow, steerable, high gain antenna
- low duty cycle, pulse modulated waveforms
- data collection system