b. Research, development, and performance data on bomb fuzes and other components for military use.

c. The support of government contractors to obtain precision time-space-velocity data on special development contracts.

3. Special high speed flight suitability tests are conducted on fighter and bomber aircraft to determine missile compatability with the aircraft and to determine if the missile will withstand the stresses encountered without failure of any of its component parts. Acceptance, engineering, and development test support on aircraft and special instrumentation utilized by aircraft are also conducted by BTF.

II. BTF RANGE FACILITIES

A. GENERAL

1. BTF has approximately 100 square miles of bombing range area located in the Mojave Desert at Edwards Air Force Base. The climatic conditions are excellent throughout the year for high altitude, low level, and dive bombing. The impact areas range from an elevation of 2400 to 2900 feet MSL and have a gradually changing terrain. The highest point in the vicinity is about 3400 feet MSL.

2. BTF has three (3) range impact areas; the East, West, and Control ranges. BTF Dwg. Nos. 56A-5 and 56D-13 appended illustrate the range layout. Space position data is obtained by optical means through use of Fairchild Ballistic Cameras, Askania Cinetheodolites, High Speed Mitchell Cameras, and Bowen Cameras. Time of event data is obtained by electronic release tone transmitters, telemetering, geophones, sound microphones, and by optical data from the cameras.