

**AFSC 11E4\*, Staff**  
**AFSC 11E3\*, Aircraft Commander**  
**AFSC 11E1\*, Entry/Student**

**EXPERIMENTAL TEST PILOT**  
**(Changed 30 Apr 17)**

**1. Specialty Summary.** Plans, conducts, directs, and reports on flight test programs associated with the design, development, and modification of aircraft, aerospace vehicles, flight simulators, and related systems. Related DoD Occupational Group: 220200.

**2. Duties and Responsibilities:**

- 2.1. Plans and conducts flight test activities. Formulates test procedures and conducts tests to evaluate structural integrity, performance, handling characteristics, reliability, and suitability of aircraft and systems.
- 2.2. Manages research, test and evaluation projects, and programs. Integrates test objectives, organizes and directs test forces, and supervises flight operations.
- 2.3. Identifies design and operational deficiencies and recommends improvements. Prepares technical reports and recommendations for design improvements.
- 2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.

**3. Specialty Qualifications:**

- 3.1. Knowledge. Knowledge is mandatory of aircraft performance and handling fundamentals, operational employment concepts, and flight test procedures.
- 3.2. Education. For entry into this specialty, an undergraduate degree specializing in physical sciences, mathematics, or engineering is mandatory.
- 3.3. Training. The following training is mandatory as indicated:
  - 3.3.1. For entry into this specialty, completion of Air Force Specialized Undergraduate Pilot Training (SUPT).
  - 3.3.2. For award of AFSC 11E3X, completion of the Air Force Test Pilot School, Experimental Test Pilot Course, or equivalent US Navy or foreign test pilot school is mandatory.
- 3.4. Experience. For upgrade to AFSC 11E3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
- 3.5. Other. The following are mandatory as indicated:
  - 3.5.1. For award and retention of this AFSC, current aeronautical rating and qualification for aviation service as pilot.
  - 3.5.2. For award of AFSC 11E3X, certification of aircraft commander qualification by appropriate operations authority.
  - 3.5.3. Specialty requires routine access to Tier 5 (T5) information, systems or similar classified environments. For award and retention of AFSCs 11EXX, completion of a current T5 Investigation IAW DoDM 5200.02\_AFMAN 16-1405, *Air Force Personnel Security Program*.

**NOTE:** Award of the entry level AFSC is authorized provided a minimum of an interim Top Secret security clearance has been granted IAW instructions, supporting polices and guidance and commander approval

**4. \*Specialty Shredouts:**

*Suffix      Portion of AFS to Which Related*

A	Airlift/Tanker/Bomber
B	Fighter
C	Helicopter/VSTOL
D	Airlift
E	Tanker
F	Bomber
G	RPA
Q	Mission Support (T-38, etc.)
Y	General
Z	Other