

AFSC 12E4*, Staff
 AFSC 12E3*, Qualified
 AFSC 12E1*, Entry/Student

EXPERIMENTAL TEST COMBAT SYSTEMS OFFICER (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: 220400.

2. Duties and Responsibilities:

- 2.1. Plans and conducts flight test programs. 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, supervises flight operations.
- 2.3. Identifies design and operational deficiencies and recommends improvements. Prepares technical reports and recommends 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 Navigator Training (SUNT) or Undergraduate CSO Training.
 - 3.3.2. For award of AFSC 12E3X, completion of the Air Force Test Pilot School, Experimental Test Navigator Course/Experimental Test CSO Course, or equivalent US Navy or foreign test navigator course.
 - 3.3.3. For award of AFSC 12E3S/W, completion of an electronic warfare officer (EWO) course or Undergraduate CSO Training.
- 3.4. Experience. For upgrade to AFSC 12E3X, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements.
- 3.5. Other. For award and retention of these AFSCs, current aeronautical rating and qualification for aviation service as CSO are mandatory.
 - 3.5.1. Specialty requires routine access to Tier 5 (T5) information, systems or similar classified environments. For award and retention of AFSCs 12EXX, completion of a current T5 Investigation IAW DoDM 5200.02_AFMAN 16-1405, *Air Force Personnel Security Program*.

NOTE: Award of the entry level without a completed SSBI is authorized provided an interim SSBI has been granted according to DoDM 5200.02_AFMAN 16 -1405.

4. *Specialty Shredouts:

<i>Suffix</i>	<i>Portion of AFS to Which Related</i>
A	Airlift/Tanker/Bomber
B	Fighter
D	Airlift
E	Tanker
F	Bomber
G	RPA
W	EWO, General
Y	General
Z	Other