

**AFSC 17S4\*, Staff**  
**AFSC 17S3\*, Qualified**  
**AFSC 17S2\*, Intermediate**  
**AFSC 17S1\*, Entry**

**★CYBERSPACE EFFECTS OPERATIONS**  
**(Changed 31 Oct 22)**

**1. Specialty Summary.** Operates cyberspace weapons systems and commands crews to accomplish cyberspace, training, and other missions. (USSF Only) Operates cyberspace weapons systems, satellite communications systems, and commands crews to accomplish cyberspace, training, and other missions.

**2. Duties and Responsibilities:**

- 2.1. Plans and prepares for mission. Reviews mission tasking and intelligence information. Supervises mission planning, preparation and crew briefing/debriefing. Ensures equipment and crew are mission ready prior to execution/deployment.
- 2.2. Operates weapons system(s) and commands crew. Performs, supervises, or directs weapons system employment and associated crew activities.
- 2.3. Conducts or supervises training of crewmembers. Ensures operational readiness of crew by conducting or supervising mission specific training.
- 2.4. Develops plans and policies, monitors operations, and advises commanders. Assists commanders and performs staff functions related to this specialty.
- 2.5. (USSF Only) Provides a broad range of cyber-related expertise key to successful warfighting operations in the air, space, and cyberspace domains, to include the electromagnetic spectrum and satellite communications.
- 2.6. (USSF Only) Provides specific cyber-space expertise of defensive cyberspace operators to enhance their ability to defend that terrain.

**3. Specialty Qualifications:**

- 3.1. Knowledge. Required knowledge includes electronics theory, information technology, wired and wireless telecommunications, computer networking, supervisory control and data acquisition systems, vulnerability assessment techniques, operating system environments, programming, scripting, exploitation techniques, threat actor life cycle, malware components and techniques, mission and terrain analysis techniques, capability pairing, integrating intelligence, large force employment, and operational planning and governing cyberspace operations directives, procedures and tactics.
- 3.2. Education. Undergraduate or graduate education related to computer science, computer engineering, or cyber security is desirable, but not required.
  - 3.2.1. Prior service 3D, 1D7, 1B4, or 1N4X1A commissioning Airmen will be accepted into the career field regardless of undergraduate degree possessed, provided they meet other acceptance criteria.
- 3.3. Training. The following training is mandatory as indicated:
  - 3.3.1. For award of AFSC 17SXAB, completion of initial skills training Introduction to Cyber Fundamentals, Undergraduate Cyber Warfare Training (17XXX), and (USSF Only) Warfighter Communications Officer Course (17DXA/B).
- 3.4. Experience.
  - 3.4.1. For upgrade to AFSC 17S2/3, unit commander determines proficiency based on performance, experience, and completion of minimum training requirements and any unit-designated training.
  - 3.4.2. For award of 17SXY, individuals must have previously held a 17SXX position.
- 3.5 Other.
  - 3.5.1 For award and retention of these AFSCs, specialty requires routine access to Tier 5 (T5) information, systems or similar classified environments and 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 T5 Investigation is authorized provided an interim Top Secret security clearance has been granted according to DoDM 5200.02\_AFMAN 16 -1405.
  - 3.5.2 Award of these AFSCs, or certain shredouts, may require completion and favorable adjudication of a cyber-aptitude assessment.
  - 3.5.3. Retention of these AFSCs may require favorable adjudication of counter-intelligence polygraph and/or favorable determination for access to sensitive compartmentalized information.

**4. ★Specialty Shredouts:**

*Suffix      Portion of AFS to Which Related*

A	Offensive Cyberspace Operator
B	Defensive Cyberspace Operator
C	Capabilities Development
S	Software Development
★T	★Technical Track
Y	General