Military Branch: Air Force

Military Occupation: FUSION ANALYST

Military Code: AFSC 1N4X1

Training Levels: Air Force occupations have up to 5 different training levels: Helper, Apprentice, Journeyman, Craftsman and Superintendent.

AFSC 1N471*, Craftsman	**AFSC 1N431*, Apprentice**
AFSC 1N451*, Journeyman	**AFSC 1N411*, Helper**

Go To: [Occupation Details](#)   **[Civilian Competencies](#)**

 (Changed 30 Apr 12)

1. Specialty Summary: Performs and manages intelligence analysis activities/functions in all domains. Analyzes and exploits intelligence information, develops targets, and provides situational awareness for operations personnel and key leadership. Conducts research and develops assessments of adversarial actions and intentions. Drafts and disseminates long-term and time-sensitive intelligence reports to consumers worldwide. Related DoD Occupational Subgroups: 123200 and 124300.

2. Duties and Responsibilities:

2.1. General overlapping duties: Supports analytical aspects of various Air Force and Joint Intelligence, Surveillance, and Reconnaissance operations by collating, analyzing, evaluating and disseminating intelligence information. Analyzes, studies, researches, fuses, and correlates intelligence for strategic, operational, and tactical customers. Produces all-source intelligence, situation estimates, order-of-battle studies, and other intelligence reports and studies. Advises commanders on force protection and intelligence information for US and allied forces.

2.2. Digital Network Analyst: Exploits global communications to support Computer Network Operations (CNO). Employs techniques to collect, identify, and exploit appropriate communications to ensure accurate targeting. Isolates essential elements of information. Produces technical products and intelligence reports as required. Provides studies used to shape the global network environment enabling all aspects of U.S. network operations. Prepares target assessments, adversary studies, situation reports, and other intelligence reports as required. Provides tailored intelligence to enable Information Operations (IO) targeting and execution in support of Combatant Commander (COCOM) Objectives. Researches, analyzes, and provides time-critical Network Warfare operations intelligence to support theater COCOMs. Contributes to reports supporting CNO planning and Indications and Warnings. Provides analysis of IO activities and support to Operations Centers and supported commanders. Uses all-source intelligence information to produce and present topical high-interest

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technical and operational intelligence briefings to all levels of command. Creates and maintains technical and operational databases using diverse computer hardware and software applications.

2.3. Analysis and Production: Analyzes and reports intelligence information. Performs detailed analysis on target network communications for additional exploitation. Recovers, correlates, and fuses technical, geographical, and operational intelligence information. Recognizes and exploits information. Authors' time-sensitive intelligence reports in accordance with established guidelines to support decisions makers. Produces, analyzes, studies, researches, fuses, and correlates intelligence for strategic, operational, and tactical customers. Provides target geopolitical and operational intelligence to national agencies and military command authorities. Identifies and disseminates real-time threat warning information. Develops and employs techniques to collect, identify, and exploit target networks and operating characteristics. Conducts in-depth analysis of communications characteristics and target tactics, techniques, and procedures. Creates and maintains technical and operational databases using diverse computer hardware and software applications. Operates mission-essential communications mediums. Provides detailed support to contingency and deliberate planning processes. Uses all-source intelligence information to produce and present topical high-interest technical and operational intelligence briefings to all levels of command. Prepares target communication assessments, adversary order of battle studies, situation reports, and other intelligence reports as required. Provides analysis of IO activities and support to Air and Space Operations Centers and supported commanders.

3. Specialty Qualifications:

3.1. Knowledge. Must gain and maintain knowledge of global communications procedures; analytical techniques; organization of the national intelligence structure; intelligence organizations and systems; Information Operations; organization of designated military forces; geography; collection and reporting, systems, principles, methods, and procedures; effective writing principles; oral and written intelligence information presentation; and directives for handling, disseminating, and safeguarding classified information.

3.2. Education. For entry into this specialty, completion of high school with courses in composition, speech, geography, world history, statistics, algebra, geometry, trigonometry, computer applications, and digital communications is desirable.

3.3. Training. The following training is mandatory for award of the AFSC indicated:

3.3.1. 1N431A. Completion of the XAAQR1N431AXXXX Network Intelligence Analysis Fundamentals and XAABR1N431AXXXX Digital Network Intelligence Analysis Apprentice courses.

3.3.2. 1N431B. Completion of the XAAQR1N431BXXXX Analysis and Production Fundamentals and XAABR1N431BXXXX Analysis and Production Apprentice courses.AFECD, 31 October 2013 69

3.4. Experience. The following experience is mandatory for award of the AFSC indicated:

3.4.1. 1N451A. Qualification in and possession of AFSC 1N431A.

3.4.2. 1N451B. Qualification in and possession of AFSC 1N431B.

3.4.3. 1N471A. Qualification in and possession of AFSC 1N451A.

3.4.4. 1N471B. Qualification in and possession of AFSC 1N451B.

3.4.5. 1N490. Qualification in and possession of AFSC 1N471X.

3.5. Other. The following are mandatory as indicated:

3.5.1. No speech disorders or noticeable communications deficiencies as defined by AFI 48-123, *Medical Examinations and Standards*.

3.5.2. See attachment 4 for additional entry requirements.

3.5.3. For award and retention of AFSC 1N4X1X, must successfully complete a polygraph test.

3.5.4. For award and retention of these AFSCs, must maintain an Air Force Network License according to AFI 33-115, Vol 2, *Licensing Network Users and Certifying Network Professionals.*

3.5.5. Specialty requires routine access to Top Secret material or similar environment. For award and retention of AFSCs 1N4X1X, completion of a current Single Scope Background Investigation (SSBI) and Top Secret clearance is mandatory according to mission requirements.

NOTE: Initial attendance in 1N4X1A/B AFSC awarding course without a completed SSBI is authorized provided an interim Top Secret eligibility has been granted according to AFI 31-501, *Personnel Security Program Management*, however, 1N4X1A/B AFSC awarding courses require adjudicated Top Secret clearance and finalized polygraph test by training day 45 or when access to course content requires it, whichever comes first in either course.

⬜4. Specialty Shredouts:

Suffix Portion of AFS to Which Related

A…………………………………………………………………………….Digital Network Analyst

B………………………………………………………………………….Analysis and Production

Materials included in these reports are from:

• The AIR FORCE ENLISTED CLASSIFICATION DIRECTORY (AFECD)-The Official Guide to the Air Force Enlisted Classification Codes- Published October 2013

• The Department of Labor's My Next Move pages and links.

• The USAF public web pages.

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