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## Appendix K System Function Mapping

The mapping of systems to the JCSFL was the most important subset of information in this analysis. It represented the functionality that current systems perform and future systems will deliver. The study team requested the functionality of future systems as part of the JSAP data call that went to the C/S/As. The C/S/As were specifically requested to provide migration plans for transitioning their current systems (2010 Baseline) to their future systems (2016 Baseline) and the functionality that those future systems will deliver. JSIC provided mapping of current systems that will continue unchanged into 2016, as identified by the C/S/As, as part of its POM 12 mapping effort. To match the approach taken by the C/S/As, all of the functions performed or enabled by the systems are represented in the data set. Some systems did not have functional information and were not functionally analyzed. Such systems may still have been analyzed in the operational ranking and may be anchor systems. The following lists all available function information for the study systems.

### ADSI

- 1.1 Signal Receipt & Processing - Group
- 1.4.5 Manage Sensors
- 1.4.13 Generate Sensor Tasking
- 1.4.19 Direct and Monitor Sensor Employment
- 2.1.16 Align Tracks through Inter-link Reference Frames
- 2.1.17 Assign Track Number
- 2.1.28 Monitor Track Safe Return or Passage
- 3.5.1 Monitor Embedded Mission Readiness
- 3.3.3 Protect Resources
- 3.4.5 Maintain Shared Situational Awareness
- 3.5.9 Monitor Force Status
- 3.5.18 Monitor Weapon and Ammunition Inventories
- 3.2.26 Track Engagement Status
- 3.2.33 Monitor In-Flight Reporting
- 4.3.1 Monitor Operational Situation
- 6.3.8 Monitor Weapon Status
- 6.3.10 Monitor Mission Engagement
- 7 COMMUNICATIONS - Level 1
- 7.1.1 Establish Communication Networks
- 7.1.2 Provide Secure Communications
- 7.3.5 Translate and Forward Data
- 7.2.11 Communicate Force Information
- 7.2.12 Communicate Status
- 7.1.19 Select Message

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- 7.1.20 Prioritize Message
- 7.1.21 Provide Message Status
- 7.1.95 Disseminate Sensor Products
- 8.12.2 Initiate Collaboration
- 8.12.3 Perform Collaboration
- 8.3.3 Establish and Maintain Connectivity
- 8.12.4 Allocate and Manage Collaboration Communications
- 8.1.4 Route Data
- 8.1.5 Share Information
- 8.3.6 Establish Connectionless Network Services
- 8.10.16 Present User Defined Situational Awareness Information
- 11.3.4 Monitor Unit Medical Status for CBRNE Effect

**AFATDS**

- 1.1.14 Receive MTI Data
- 1.4.25 Correlate JISR Resources
- 2.1.4 Process Ground Moving Target Indicator (GMTI)
- 2.1.5 Exploit Moving Target Indicator Information
- 2.1.6 Track Blue Forces
- 2.2.19 Associate Blue Forces in Proximity to Target
- 2.1.29 Update Target, Intelligence, and System Profiles
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3.4.1 Display Automatic Target Recognition
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.2.6 Generate Target Coordinates
- 3.4.19 Share Information
- 3.2.33 Monitor In-Flight Reporting
- 4.7 Analyze Targets - Group
- 4.6.1 Determine Engageability
- 4.6.2 Estimate Factors Affecting Weapon Performance
- 4.7.2 Manage Target List
- 4.5.3 Estimate Extent of Collateral Damage
- 4.7.3 Review Restricted Target List
- 4.7.4 Update High Value Target (HVT) List
- 4.7.5 Select & Prioritize Target
- 4.7.8 Retain or Remove Target on or from Target List
- 4.6.9 Calculate Weapons Performance
- 4.7.10 Identify Time Sensitive Targets
- 4.6.11 Estimate Extent of Target Damage or Destruction

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- 4.6.12 Estimate Weapons Effectiveness
- 4.8.12 Assess Landing Alternatives and Surrounding Situational Awareness
- 4.6.17 Specify Required Effects
- 4.3.18 Assess Effect
- 4.6.19 Specify Collateral Damage Considerations
- 4.6.21 Calculate Probability of Engagement Effectiveness
- 4.6.22 Calculate Hit Probability Relative to Target Location Error
- 4.6.24 Evaluate Potential Targets
- 5.1.1 Generate New or Revised Plan
- 5.1.3 Manage Guidance and Objectives
- 5.5.4 Establish Force Reporting Criteria Responsibilities
- 5.5.5 Establish Force Reporting Procedures
- 5.1.12 Create Attack Plans
- 5.1.13 Create Weapons Plans
- 5.1.36 Create Commanders Guidance
- 5.1.37 Update Commanders Guidance
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 5.1.49 Plan Target-Weapon Type Pairing
- 5.1.50 Draft Warning Order
- 5.1.54 Create Air Attack Plans
- 6.3.1 Generate Engagement Orders
- 6.2.3 Develop Targets
- 6.3.3 Execute Engagement
- 6.1.3 Request External Fire Support
- 6.1.5 Execute Tactical Fires and Maneuver Plan
- 6.2.7 Optimize Target Value vs. Weapon Value
- 6.3.8 Monitor Weapon Status
- 6.2.12 Define Attack Guidance
- 6.2.13 Update Attack Guidance
- 6.1.15 Prosecute Target
- 6.3.15 Conduct Automatic Engagement
- 6.3.16 Engage Target With External Source
- 6.2.18 Generate Mission Change Order
- 6.2.26 Synchronize Tactics and Engagement Assignments
- 6.2.31 Select & Prioritize Target
- 6.2.37 Manage Fire Support Information
- 6.2.38 Generate Mission Change Request
- 6.2.46 Task or Retask Attack Assets
- 7.2.2 Transmit Weapons Recommendations

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- 7.2.5 Receive Mission Update
- 7.1.7 Transfer Data
- 7.1.9 Transfer Data with Datagram Approach
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.1.11 Transfer Information Over Multiple Channels Simultaneously
- 7.2.11 Communicate Force Information
- 7.2.17 Communicate Mission Information
- 7.1.96 Transmit or Receive Information
- 8.12.1 Manage Collaboration Activities
- 8.10.3 Display Data
- 8.10.8 Provide Network Manager Human System Integration
- 8.10.16 Present User Defined Situational Awareness Information
- 8.1.19 Conduct Information Management
- 8.2.20 Authorize Data Access
- 8.7.46 Determine Data Requirements
- 8.7.86 Analyze and Organize Data
- 8.7.89 Provide Discovery Metadata for Situational Awareness
- 13.2.2 Assess Training Engagement
- 13.2.3 Update Training Situational Awareness
- 13.2.5 Perform Embedded Training
- 13.2.6 Commence Embedded Training
- 13.2.7 Terminate Embedded Training
- 13.2.8 Pause Embedded Training
- 13.2.9 Return to Training
- 13.2.10 Perform System Training Stimulation
- 13.2.11 Perform System Training Simulation
- 13.2.15 Conduct Training Control
- 14.1.17 Evaluate Collection Results

**AMDWS**

- 1.4.15 Process Source Requirements
- 2.2.2 Determine Combat Identity
- 2.2.5 Estimate Object Classification
- 2.1.6 Track Blue Forces
- 2.1.12 Coordinate Remote Track Reporting
- 2.1.13 Register Data
- 2.2.18 Determine Blue Force Tracking Identification
- 2.2.19 Associate Blue Forces in Proximity to Target
- 3.2.2 Generate Common Tactical Picture
- 3.3.3 Protect Resources

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- 3.2.4 Update COP Display
- 3.5.5 Report Unit and Platform Status
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.5.9 Monitor Force Status
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.5.17 Process Asset Specific Information Query
- 4.8.2 Analyze Mission
- 4.6.6 Analyze Blue Force Vulnerability
- 5.3.3 Generate Logistics Scenarios
- 5.3.6 Model and Simulate Scenarios
- 7.1.70 Monitor & Adjust Beam Coverage

**AOC-WS**

- 1.4 Sensor Management - Group
- 1.1 Signal Receipt & Processing - Group
- 1 SENSE - Level 1
- 1.5 Precision Time and Navigation - Group
- 1.1.1 Receive and Process Signals
- 1.4.1 Fuse Sensor Data
- 1.3.1 Detect Signals and Images
- 1.3.2 Detect Indications and Warnings
- 1.5.2 Receive Navigation Signals
- 1.4.3 Identify Current Platform and Sensor Tasking
- 1.1.4 Discriminate Objects
- 1.4.4 Control Search Parameters
- 1.1.5 Estimate Multiple Objects
- 1.4.5 Manage Sensors
- 1.4.6 Coordinate Sensor Employment with Operational Plans and Employment
- 1.3.7 Sense Threat
- 1.4.7 Generate National ISR Sensor Tasking
- 1.4.9 Generate Theater and External ISR Sensor Tasking
- 1.4.10 Generate Sensor Coverage
- 1.1.12 Estimate a Single Object
- 1.4.13 Generate Sensor Tasking
- 1.4.14 Control Sensor Operating Parameters
- 1.1.14 Receive MTI Data
- 1.4.15 Process Source Requirements
- 1.1.15 Process Electro-Optical/Infrared (EO/IR) Data

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- 1.4.16 Determine Availability of Joint Force ISR Capabilities
- 1.4.17 Determine Time to Sensor Availability
- 1.4.18 Identify Current Platform and Sensor Tasking
- 1.4.19 Direct and Monitor Sensor Employment
- 1.4.25 Correlate JISR Resources
- 1.4.26 Manage JISR Resources
- 1.4.27 Reconfigure Netted Sensor Grid Dynamically
- 1.4.32 Control GEOINT Sensor
- 1.4.33 Process Satellite Access Authorization Information
- 2.2 Combat Identification - Group
- 2 MANAGE TRACKING and TRACKS - Level 1
- 2.1 Perform Tracking - Group
- 2.1.1 Form Tracks
- 2.2.1 Determine Combat Identification
- 2.2.2 Determine Combat Identity
- 2.1.2 Develop Association Hypothesis
- 2.1.3 Manage Air Tracks
- 2.2.3 Determine Identification Based on Reference Data
- 2.2.4 Determine Track Activity and Status
- 2.1.4 Process Ground Moving Target Indicator (GMTI)
- 2.2.5 Estimate Object Classification
- 2.1.5 Exploit Moving Target Indicator Information
- 2.2.6 Execute Recognition
- 2.1.6 Track Blue Forces
- 2.1.7 Qualify Track
- 2.1.8 Fuse Track Measurements
- 2.2.9 Determine Comprehensive Track ID
- 2.1.9 Correlate Tracks
- 2.1.10 Associate Tracks
- 2.2.10 Determine Discrete ID
- 2.2.11 Identify Fused Data Track
- 2.1.11 Filter Track Report
- 2.1.12 Coordinate Remote Track Reporting
- 2.2.12 Determine Identification Based on Associations
- 2.2.13 Identify Civilian Air Tracks
- 2.1.14 Align Tracks Geodetically
- 2.1.15 Align Tracks Relatively
- 2.1.16 Align Tracks through Inter-link Reference Frames
- 2.1.24 Calculate Geolocation

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- 2.1.26 Maintain Track History
- 2.1.27 Extract Feature
- 2.1.29 Update Target, Intelligence, and System Profiles
- 2.1.31 Fuse Track Data
- 3.5 Monitor Mission Readiness - Group
- 3.4 CSA Data Management - Group
- 3 GENERATE COMMON SITUATIONAL AWARENESS - Level 1
- 3.3 Provide Indications, Warnings, and Alerts - Group
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3.4.1 Display Automatic Target Recognition
- 3.2.1 Generate Common Operational Picture
- 3.3.1 Provide Real-Time Threat Warning
- 3.2.2 Generate Common Tactical Picture
- 3.3.2 Identify Occurrence of ISR Event
- 3.3.3 Protect Resources
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.2.3 Generate Battle Damage Scene
- 3.2.4 Update COP Display
- 3.3.4 Display Interference Alerts
- 3.5.5 Report Unit and Platform Status
- 3.4.5 Maintain Shared Situational Awareness
- 3.3.5 Generate Alert
- 3.2.5 Identify Return to Force (RTF) Profiles
- 3.4.6 Aggregate Events or Activities
- 3.2.6 Generate Target Coordinates
- 3.2.7 Identify Weapons Free Zones
- 3.4.7 Aggregate Objects
- 3.4.8 Manage Prioritization of Defended Asset Information Sets
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.3.8 Maintain NetOps Related Threat Assessment
- 3.4.9 Aggregate and Present Blue Force Tracks
- 3.2.9 Configure, Edit, and Display No-Fly Zones
- 3.3.9 Warn of Weapons of Mass Destruction (WMD)
- 3.5.9 Monitor Force Status
- 3.3.10 Generate Indication and Warning (I and W) Reports
- 3.5.10 Present Mission Resources Information
- 3.4.10 Integrate Information on Potential Adversary COA
- 3.2.10 Configure, Edit, and Display Restricted Navigation Zones

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- 3.4.11 Translate and Distribute Commanders Intent
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.5.12 Retrieve and Maintain Rules of Engagement (ROE)
- 3.5.13 Monitor Information Operations (IO)
- 3.4.13 Manage Airspace Control Measures
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.4.14 Manage Target Materials Information
- 3.5.14 Confirm Asset or Sensor Availability
- 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
- 3.5.15 Define Required Launch Platform State
- 3.4.16 Record Events for Post Operations Analysis
- 3.2.16 Provide OPLAN Visibility
- 3.2.17 Generate Unit and Platform Availability
- 3.4.17 Update Enemy Profiles
- 3.2.18 Display Geospatial Information Overlay
- 3.5.18 Monitor Weapon and Ammunition Inventories
- 3.4.18 Provide Performance Data for Presentation
- 3.4.19 Share Information
- 3.2.19 Display Electronic Spectrum Allocation for Area of Concern
- 3.5.19 Display and Monitor Sensor Assets
- 3.2.20 Display Resource Movement
- 3.2.23 Identify Joint Engagement Zone
- 3.2.25 Present War Reserve Material Readiness
- 3.2.26 Track Engagement Status
- 3.2.27 Provide Geospatial Coordinates
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.29 Display Formation Tracks
- 3.2.31 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
- 3.2.32 Mensurate Object Coordinates
- 3.2.33 Monitor In-Flight Reporting
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.3 Analyze Operational Environment - Group
- 4.1 Analyze Natural Environmental Impacts - Group
- 4.2 Analyze Natural Environment - Group
- 4 MISSION ANALYSIS - Level 1
- 4.5 Measure Analysis Results - Group
- 4.7 Analyze Targets - Group
- 4.6 Perform Predictive Analysis - Group
- 4.8 Perform Mission Assessment - Group

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- 4.6.1 Determine Engageability
- 4.1.1 Analyze Terrain
- 4.7.1 Analyze Target Areas
- 4.8.1 Assess Mission Effectiveness
- 4.5.1 Measure Mission Performance
- 4.2.1 Assess Environment
- 4.3.1 Monitor Operational Situation
- 4.7.2 Manage Target List
- 4.6.2 Estimate Factors Affecting Weapon Performance
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.1.2 Analyze Atmospheric and Weather Impacts
- 4.8.2 Analyze Mission
- 4.5.2 Evaluate Intelligence
- 4.2.2 Perform Natural Environmental & Topographical Analysis
- 4.2.3 Analyze Meteorological Conditions
- 4.3.3 Analyze Operational Situation
- 4.6.3 Predict Situation Effects
- 4.7.3 Review Restricted Target List
- 4.8.3 Determine Platform-Target Weapon Pairing
- 4.5.3 Estimate Extent of Collateral Damage
- 4.8.4 Evaluate and Assess Engagement Effectiveness
- 4.3.4 Identify Weapon Danger Zones
- 4.7.4 Update High Value Target (HVT) List
- 4.2.4 Assess Meteorological and Oceanographic (METOC) Conditions
- 4.6.4 Identify Status of Forces
- 4.3.5 Identify Target System Vulnerability
- 4.7.5 Select & Prioritize Target
- 4.6.5 Prepare Deployment Estimates
- 4.8.5 Determine Weapon Availability
- 4.6.6 Analyze Blue Force Vulnerability
- 4.7.6 Predict Target Future Movements
- 4.3.6 Estimate Enemy Capability Levels
- 4.8.6 Analyze COAs
- 4.8.7 Analyze Potential Air or Space Conflicts
- 4.3.7 Evaluate Operational Environment
- 4.6.7 Determine Enemy Courses of Action (COA)
- 4.7.7 Create High Value Target (HVT) List
- 4.8.8 Assess Force Readiness
- 4.3.8 Evaluate Mission

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- 4.6.8 Determine Force Movement
- 4.7.8 Retain or Remove Target on or from Target List
- 4.6.9 Calculate Weapons Performance
- 4.8.9 Identify Rules of Engagement (ROE) Cues
- 4.7.9 Determine Object Probable Location
- 4.8.10 Assess Warfighting Resources
- 4.6.10 Conduct Assessment of Adversary Strengths and Vulnerability vs. Own
- 4.7.10 Identify Time Sensitive Targets
- 4.8.11 Assess Threats
- 4.6.11 Estimate Extent of Target Damage or Destruction
- 4.7.11 Determine Target Offset and Location
- 4.8.12 Assess Landing Alternatives and Surrounding Situational Awareness
- 4.3.12 Analyze and Filter Fusion Product Information
- 4.6.12 Estimate Weapons Effectiveness
- 4.7.12 Recommend Target for Nomination
- 4.6.13 Determine Accessibility of Attack System to Target
- 4.3.13 Manage Pattern Analysis Engine Controls
- 4.7.13 Enter, Edit, or Delete Target Criteria
- 4.8.13 Integrate Fires and Maneuvers Guidance
- 4.6.14 Calculate Probabilities for Potential Actions
- 4.8.15 Determine Information Operations (IO) Vulnerability
- 4.3.15 Generate Multiple Image View Analysis
- 4.6.15 Determine Best Positioning for Access to the Adversary
- 4.3.16 Analyze Effects
- 4.6.16 Determine Electromagnetic Signature (EMSIG) Vulnerability
- 4.8.17 Correlate Events
- 4.3.17 Assess Battle Damage in Real-Time
- 4.6.17 Specify Required Effects
- 4.3.18 Assess Effect
- 4.6.18 Predict Sensor Performance and Calculate Sensor Coverage
- 4.8.18 Assess Achievement of Planned Effects
- 4.3.19 Evaluate Effects of Electronic Warfare (EW)
- 4.6.19 Specify Collateral Damage Considerations
- 4.3.20 Analyze Effects (value)
- 4.6.20 Select Best Attack Asset
- 4.8.20 Analyze Resource Tasking and Control
- 4.6.21 Calculate Probability of Engagement Effectiveness
- 4.3.21 Analyze Effects (value)
- 4.8.21 Assess Air Battle Impact

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- 4.6.22 Calculate Hit Probability Relative to Target Location Error
- 4.3.22 Assess Battle Damage
- 4.8.22 Assess Space Battle Impact
- 4.8.23 Assess IO Impact
- 4.6.23 Analyze Vulnerability
- 4.3.23 Assess Damage Reports
- 4.6.24 Evaluate Potential Targets
- 4.8.24 Evaluate Feedback
- 4.3.24 Assess Combat Performance
- 4.6.25 Predict Enemy Intent
- 4.8.25 Exploit Intelligence
- 4.8.26 Assess from Multiple Perspectives
- 4.6.27 Determine Time to Complete the Mission
- 4.6.28 Generate CBRN Avoidance Area Prediction
- 4.6.29 Generate Environmental Prediction
- 4.6.30 Create Dynamically Predictive Plans
- 4.6.31 Predict Joint Asset Shortfall
- 4.6.32 Predict Weapon System Readiness Trend
- 4.6.33 Project Ground Track Prediction
- 4.6.34 Refine Aim Point Location
- 4.6.35 Predict Intercept
- 4.6.36 Predict ISR Collection Requirements
- 4.6.37 Predict Airborne Dispersion
- 4.6.39 Project Tracks Future Position
- 4.6.40 Generate Attack Window
- 5 MISSION PLANNING - Level 1
- 5.1 Create and Revise Plans - Group
- 5.2 Review Plans - Group
- 5.3 Rehearse Mission - Group
- 5.4 Assign and Delegate Mission Requirement - Group
- 5.1.1 Generate New or Revised Plan
- 5.5.1 Identify Weapon Control Parameters
- 5.3.1 Conduct Mission Rehearsal
- 5.2.1 Retrieve Higher Level Guidance
- 5.4.1 Assign Coverage
- 5.1.2 Enter and Update Commander's Critical Information Requirements (CCIRs)
- 5.3.2 Generate Enemy Scenarios
- 5.4.2 Support Asset Tasking
- 5.1.3 Manage Guidance and Objectives

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- 5.4.3 Map Force Composition to Requirements
- 5.3.3 Generate Logistics Scenarios
- 5.1.4 Create Network Plans
- 5.3.4 Simulate COAs
- 5.4.4 Allocate Air Defense Systems
- 5.1.5 Generate Ingress and Egress Plans
- 5.4.5 Determine Operational and Tactical Assets
- 5.1.6 Generate Coordinated Flight and Terminal Seeker Operation Plan
- 5.3.6 Model and Simulate Scenarios
- 5.4.6 Allocate Platform to Mission
- 5.4.7 Coordinate Plans and Tasking with Other Components
- 5.1.8 Manage Policies
- 5.4.8 Generate Space Tasking Order Message
- 5.3.8 Generate Wargaming Scenarios
- 5.1.9 Interpret Supplemental Rules of Engagement (SROE) and Rules of Engagement
- 5.4.9 Assign Assets/Resources
- 5.1.10 Generate Input to Missions Plans
- 5.4.10 Generate Air Tasking Order Message
- 5.1.11 Create Sensor Plans
- 5.4.11 Analyze Host Nation/Commercial Asset Visibility and Availability
- 5.1.12 Create Attack Plans
- 5.4.12 Analyze Theater Supply and Service Units
- 5.1.13 Create Weapons Plans
- 5.4.13 Determine Targeting Asset Requirements
- 5.1.14 Create Maneuver Plans
- 5.4.14 Determine Time Requirements Given Mensuration Parameters
- 5.1.15 Create Strategic Plans
- 5.1.16 Develop Deconfliction Plan
- 5.1.17 Create Collection Plans
- 5.1.18 Conduct Information Assurance Planning
- 5.1.19 Create Space Battle Plans
- 5.1.20 Generate Correction or Contingency Plans
- 5.1.22 Create Target & Threat Plans
- 5.1.23 Generate Weapon Terminal Guidance Plan
- 5.1.24 Format and Integrate Terminal Guidance Plan
- 5.1.26 Create Air Defense Plans
- 5.1.27 Create Air Battle Plans
- 5.1.28 Create Flight Plans
- 5.1.29 Generate Weapon Navigation and Flight Plan

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- 5.1.30 Plan and Evaluate Airspace Control Measures
- 5.1.31 Create Updated Flight Plans
- 5.1.32 Format and Integrate In-Flight Weapon Plan
- 5.1.35 Update Communications Network Plan
- 5.1.36 Create Commanders Guidance
- 5.1.37 Update Commanders Guidance
- 5.1.40 Record Priority Intelligence Requirements
- 5.1.42 Update Information Assurance Plan
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.47 Develop Initial Alternative Courses of Action
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.49 Plan Target-Weapon Type Pairing
- 5.1.51 Conduct Force Planning
- 5.1.52 Create Tactical Plans/ Orders
- 5.1.53 Create Information Operations (IO) Plan
- 5.1.54 Create Air Attack Plans
- 5.1.56 Generate Enemy Order of Battle (EOB)
- 5.1.58 Create Shaping Plan
- 5.1.59 Generate In-Flight Weapon Plan Changes
- 5.1.61 Plan COA: Zone, Area, Route
- 5.1.62 Deconflict the Airspace
- 5.1.64 Create Flight Schedules
- 5.1.65 Develop and Promulgate Rules of Engagement (ROE)
- 6.3 Perform Engagement - Group
- 6.2 Decision - Group
- 6 MISSION EXECUTION - Level 1
- 6.1 Manage Platforms and Systems - Group
- 6.1.1 Coordinate Mission Execution
- 6.2.1 Provide Re-attack Recommendation
- 6.3.1 Generate Engagement Orders
- 6.3.2 Process Engagement Orders
- 6.2.2 Optimize Configuration
- 6.3.3 Execute Engagement
- 6.2.3 Develop Targets
- 6.1.4 Employ Combat Assessment and BDA - Support Assets
- 6.3.4 Configure Weapons
- 6.2.4 Determine Attack Window
- 6.3.5 Control Munitions
- 6.2.5 Calculate Weapon Delivery

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- 6.2.6 Certify Track Data Availability
- 6.3.6 Provide Dismounted Target Hand-Off and Designation
- 6.3.7 Guide Weapons
- 6.2.7 Optimize Target Value vs. Weapon Value
- 6.1.7 Task Combat and Battle Damage Assessment Support Assets
- 6.1.8 Source and Coordinate Preferred COA
- 6.3.8 Monitor Weapon Status
- 6.2.8 Produce Engagement Schedules
- 6.1.9 Control Mission
- 6.3.9 Conduct Manual Engagement
- 6.2.10 Recommend Maneuvers to Avoid Interference
- 6.3.10 Monitor Mission Engagement
- 6.1.11 Execute Collection Activities
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.3.11 Integrate Rules of Engagement (ROE)
- 6.2.12 Define Attack Guidance
- 6.3.12 Cancel Engagement
- 6.2.13 Update Attack Guidance
- 6.1.14 Coordinate and Execute Selected COA
- 6.2.14 Provide Optimized Attack Solutions
- 6.1.15 Prosecute Target
- 6.3.15 Conduct Automatic Engagement
- 6.2.15 Recommend Unit Maneuvers
- 6.1.16 Allocate Troop and Cargo Transport
- 6.1.17 Direct Battle Plan Execution
- 6.2.17 Process Air Support Request
- 6.1.18 Generate Coverage Orders
- 6.2.18 Generate Mission Change Order
- 6.1.19 Execute Sensor Collection
- 6.2.19 Process Engagement Orders
- 6.1.20 Position System
- 6.2.21 Dynamically Deconflict Engagement
- 6.1.21 Coordinate Mission Weapon Employment
- 6.3.21 Conduct Semi-Automatic Engagement
- 6.2.22 Deconflict Fire Mission
- 6.2.24 Generate Tactical Parameter Orders
- 6.2.25 Select Appropriate Lethal or Non-Lethal Attack System
- 6.2.26 Synchronize Tactics and Engagement Assignments
- 6.1.26 Generate Orders to Align System Parameters

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- 6.2.27 Task or Re-task Targeting Assets
- 6.1.28 Employ Electronic Counter-Counter Measures
- 6.2.28 Establish Sensor to Shooter Linkages
- 6.1.29 Designate Track
- 6.2.29 Synchronize Fires
- 6.2.30 Resolve Battlespace Conflicts
- 6.1.30 Convert Sensor Asset Requests into Sensor Control Orders
- 6.1.31 Process Sensor Collection Requests
- 6.2.31 Select & Prioritize Target
- 6.2.32 Assign System Coverage
- 6.1.32 Request External Sensor Tasking
- 6.2.33 Adjust Engagement Schedules
- 6.2.37 Manage Fire Support Information
- 6.2.38 Generate Mission Change Request
- 6.2.40 Request Waiver to Rules of Engagement (ROE)
- 6.2.44 Determine Engagement Options and Generate Weapons Employment
- 6.2.45 Compute Time-To-Target or Time-On-Target
- 6.2.46 Task or Retask Attack Assets
- 6.2.47 Determine Electronic Attack Countermeasure
- 7 COMMUNICATIONS - Level 1
- 7.1 Provide Ability to Communicate - Group
- 7.2 Provide Information Exchange - Group
- 7.1.1 Establish Communication Networks
- 7.2.2 Transmit Weapons Recommendations
- 7.1.2 Provide Secure Communications
- 7.1.3 Employ Conference Communications Services
- 7.2.3 Transmit Engagement Orders
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.1.5 Transfer Data via Packet Switching
- 7.2.5 Receive Mission Update
- 7.2.6 Transmit Coverage Plan
- 7.2.7 Receive Strategic Mission & Guidance
- 7.1.7 Transfer Data
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.1.10 Transfer Data via Circuit Switching
- 7.2.11 Communicate Force Information
- 7.1.11 Transfer Information Over Multiple Channels Simultaneously
- 7.2.12 Communicate Status

## UNCLASSIFIED FOUO

- 7.1.12 Transfer File
- 7.2.14 Communicate Engagement Orders
- 7.2.16 Communicate Meteorological and Oceanographic (METOC) Data
- 7.2.17 Communicate Mission Information
- 7.2.18 Communicate Geodesy Data
- 7.2.21 Transmit Sense Data
- 7.2.23 Deliver Mission-Type Orders to Subordinate Echelons
- 7.1.25 Communicate Beyond Line of Sight Anti Jam Wideband Satellite
- 7.1.27 Communicate Beyond Line of sight using Mobile/Emergency-Satellite
- 7.1.28 Communicate Beyond Line of sight wideband-Satellite-Protected/Hardened
- 7.1.30 Communicate Beyond Line of sight-Narrowband Commercial Satellite
- 7.2.30 Transmit Track Data
- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
- 7.1.33 Communicate Beyond Line of sight-Wideband Commercial Satellite
- 7.1.34 Communicate Beyond Line of sight-Wideband MILSAT
- 7.1.37 Communications Net Message Translation
- 7.1.44 Conduct Video Conferencing
- 7.1.45 Coordinate Tactical Reach-Back
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.65 Ensure Non-Repudiation
- 7.1.93 Communicate Data across Multiple Classification Domains
- 7.1.96 Transmit or Receive Information
- 8.5 Operate/Maintain Network - Group
- 8.6 Network Configuration - Group
- 8.8 Perform User Management Services - Group
- 8.9 Enterprise Network Environment Management - Group
- 8.12 Enterprise Collaboration Services
- 8.7 Manage Data - Group
- 8.11 Fuse Network Data - Group
- 8.3 Network Establishment - Group
- 8.1 Network Services - Group
- 8.4 IT Computing Services - Group
- 8.8.1 Customize User Management
- 8.7.1 Manage Data Infrastructure
- 8.11.1 Fuse Data
- 8.5.1 Operate Network
- 8.12.1 Manage Collaboration Activities
- 8.1.1 Provide Network Services
- 8.12.2 Initiate Collaboration

## UNCLASSIFIED FOUO

- 8.7.2 Manage General Information
- 8.8.2 Authorize User Roles and Services
- 8.5.2 Transmit Data on Established Path
- 8.3.2 Dynamically Configure or Reconfigure Network
- 8.10.3 Display Data
- 8.12.3 Perform Collaboration
- 8.8.3 Manage Accounts
- 8.3.3 Establish and Maintain Connectivity
- 8.8.4 Monitor and Adapt User Interface
- 8.12.4 Allocate and Manage Collaboration Communications
- 8.9.5 Integrate Enterprise Applications
- 8.12.5 Terminate Collaboration
- 8.4.5 Manage Documents
- 8.12.6 Conduct Decision Process Collaboration
- 8.5.6 Coordinate Network Resource Availability
- 8.7.6 Update Data
- 8.1.6 Support Communication
- 8.2.6 Provide Entity Authentication Services
- 8.12.7 Manage Collaboration Resources
- 8.2.7 Decrypt Data
- 8.12.8 Determine Collaboration Resource Availability
- 8.9.8 Evaluate Enterprise Knowledge Information
- 8.2.8 Encrypt Data
- 8.10.9 Provide Automated Interfaces to Current System Planning Tools
- 8.12.9 Provide Common Workspace
- 8.1.9 Provide Network Applications Services
- 8.2.9 Maintain Secure Data Transmission
- 8.7.10 Filter Information
- 8.12.10 Transcribe Collaboration
- 8.4.10 Generate Displays
- 8.2.10 Monitor Network Security
- 8.2.12 Provide Embedded Programmable Cryptographic Capability
- 8.2.13 Implement NSA or NIST Public Key Cryptography
- 8.4.14 Process Information Distributively
- 8.2.19 Validate User Credentials
- 8.4.19 Provide and Manage Graphics
- 8.1.19 Conduct Information Management
- 8.2.20 Authorize Data Access
- 8.4.20 Provide Streaming Video

## UNCLASSIFIED FOUO

- 8.1.21 Manage Systems
- 8.2.21 Respond to Security Events
- 8.4.21 Process Imagery
- 8.7.22 Disseminate Data
- 8.2.22 Access Information at Multiple Levels of Security
- 8.1.22 Provide Networked Services and Applications
- 8.2.24 Authenticate Data
- 8.1.24 Assess Network
- 8.7.26 Replicate Data
- 8.2.26 Configure Communications and Security Devices
- 8.7.27 Retrieve Data
- 8.2.27 Handle Multiple Security Levels
- 8.7.28 Provide Database Utilities
- 8.7.29 Manage Data Storage
- 8.7.30 Populate Data Repositories
- 8.7.31 Allocate Storage Resources
- 8.2.32 Mitigate Opportunity to Attack
- 8.7.36 Post or Publish Data
- 8.7.37 Ensure Data Asset Visibility
- 8.1.39 Establish Redundancy in the Network
- 8.1.41 Manage Services
- 8.7.42 Request Data
- 8.7.43 Mine Data
- 8.7.44 Mediate Data
- 8.7.47 Synchronize Data
- 8.7.48 Monitor Data
- 8.1.58 Manage Trouble Tickets
- 8.7.81 Store Data
- 8.7.82 Retain Data
- 8.7.83 Manage and Manipulate File and File Systems
- 8.7.84 Perform Multilevel Security Data Filtering
- 8.7.86 Analyze and Organize Data
- 8.7.87 Validate Request for Information
- 9 SYSTEM TEST, MAINTENANCE, AND PROTECTION - Level 1
- 9.1 System Maintenance - Group
- 9.1.1 Estimate Equipment Reliability
- 9.1.2 Track Maintenance Trouble Reports
- 9.1.5 Integrate Maintenance and Operations Schedules
- 10 LOGISTICS - Level 1

## UNCLASSIFIED FOUO

- 10.1.3 Identify Catalog Item by Serial Numbers
- 10.1.5 Track Inventory
- 10.1.6 Register Receipt of Goods
- 10.1.7 Manage Receipt and Acceptance of Goods Transactions
- 10.1.9 Perform Lifecycle Asset Accountability
- 10.1.15 Manage Inventory
- 13.2 System Training Operations - Group
- 13.1 Operational and Exercise Training - Group
- 13 TRAINING- Level 1
- 13.1.1 Generate Training Reports
- 13.1.2 Perform Training Exercise
- 13.1.4 Manage Unit Training
- 13.1.5 Create Exercise Plan
- 13.1.6 Evaluate Training
- 14 INTELLIGENCE - Level 1
- 14.1.7 Manage Images
- 14.1.8 Rectify Image
- 14.1.11 Disseminate Intelligence Products
- 14.1.13 Fuse Multi-Source Intelligence Data

**ASAS**

- 1.1.1 Receive and Process Signals
- 1.4.1 Fuse Sensor Data
- 1.3.1 Detect Signals and Images
- 1.3.2 Detect Indications and Warnings
- 1.1.2 Classify Signals
- 1.2.3 Search with Air Search Sensor
- 1.4.3 Identify Current Platform and Sensor Tasking
- 1.4.4 Control Search Parameters
- 1.2.4 Search with Surface or Ground Search Sensor
- 1.1.4 Discriminate Objects
- 1.4.5 Manage Sensors
- 1.1.5 Estimate Multiple Objects
- 1.4.6 Coordinate Sensor Employment with Operational Plans and Employment
- 1.1.7 Register Electromagnetic Signals
- 1.3.7 Sense Threat
- 1.3.8 Intercept and Register Signals
- 1.5.8 Integrate GPS Port Data
- 1.2.8 Search
- 1.4.9 Generate Theater and External ISR Sensor Tasking

## UNCLASSIFIED FOUO

- 1.5.10 Translate Navigation Data
- 1.2.10 Locate Signal
- 1.4.10 Generate Sensor Coverage
- 1.5.11 Translate Time Data
- 1.1.12 Estimate a Single Object
- 1.3.12 Detect SIGINT Data
- 1.4.13 Generate Sensor Tasking
- 1.4.18 Identify Current Platform and Sensor Tasking
- 1.3.19 Detect and Process Electronic Attack
- 1.1.20 Perform Signal Parametric Analysis
- 1.4.24 Recommend UGS (Unattended Ground Sensor) Placement
- 1.4.31 Process Intelligence Surveillance and Reconnaissance (ISR) Support Requests
- 2.2.1 Determine Combat Identification
- 2.2.2 Determine Combat Identity
- 2.1.2 Develop Association Hypothesis
- 2.2.3 Determine Identification Based on Reference Data
- 2.2.4 Determine Track Activity and Status
- 2.2.5 Estimate Object Classification
- 2.1.6 Track Blue Forces
- 2.2.6 Execute Recognition
- 2.1.7 Qualify Track
- 2.2.7 Declare Identification Level of Confidence
- 2.2.8 Determine Composite ID
- 2.1.9 Correlate Tracks
- 2.2.9 Determine Comprehensive Track ID
- 2.2.10 Determine Discrete ID
- 2.1.10 Associate Tracks
- 2.2.11 Identify Fused Data Track
- 2.2.12 Determine Identification Based on Associations
- 2.1.13 Register Data
- 2.2.15 Determine Procedural Identification
- 2.2.16 Determine Organization Identification
- 2.2.17 Resolve Identification Conflicts
- 2.1.21 Update Existing Track
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.26 Maintain Track History
- 2.1.29 Update Target, Intelligence, and System Profiles
- 2.1.30 Evaluate Track Data Fusion
- 2.1.31 Fuse Track Data

## UNCLASSIFIED FOUO

- 2.1.32 Determine Line of Bearing (LOB) Point of Origin
- 3.2.1 Generate Common Operational Picture
- 3.3.1 Provide Real-Time Threat Warning
- 3.3.2 Identify Occurrence of ISR Event
- 3.2.2 Generate Common Tactical Picture
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.2.3 Generate Battle Damage Scene
- 3.2.4 Update COP Display
- 3.3.5 Generate Alert
- 3.2.6 Generate Target Coordinates
- 3.4.6 Aggregate Events or Activities
- 3.4.7 Aggregate Objects
- 3.3.7 Integrate Alert Sequencing Doctrine
- 3.3.10 Generate Indication and Warning (I and W) Reports
- 3.4.10 Integrate Information on Potential Adversary COA
- 3.4.11 Translate and Distribute Commanders Intent
- 3.4.12 Collect Performance Data
- 3.5.13 Monitor Information Operations (IO)
- 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
- 3.2.16 Provide OPLAN Visibility
- 3.4.17 Update Enemy Profiles
- 3.4.18 Provide Performance Data for Presentation
- 3.4.19 Share Information
- 3.2.27 Provide Geospatial Coordinates
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.29 Display Formation Tracks
- 3.2.31 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
- 3.2.32 Mensurate Object Coordinates
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.5.1 Measure Mission Performance
- 4.6.1 Determine Engageability
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.5.2 Evaluate Intelligence
- 4.5.3 Estimate Extent of Collateral Damage
- 4.7.4 Update High Value Target (HVT) List
- 4.7.5 Select & Prioritize Target
- 4.3.5 Identify Target System Vulnerability
- 4.3.6 Estimate Enemy Capability Levels
- 4.7.6 Predict Target Future Movements

## UNCLASSIFIED FOUO

- 4.6.7 Determine Enemy Courses of Action (COA)
- 4.7.7 Create High Value Target (HVT) List
- 4.3.8 Evaluate Mission
- 4.7.10 Identify Time Sensitive Targets
- 4.6.10 Conduct Assessment of Adversary Strengths and Vulnerability vs. Own
- 4.6.11 Estimate Extent of Target Damage or Destruction
- 4.8.11 Assess Threats
- 4.7.12 Recommend Target for Nomination
- 4.3.12 Analyze and Filter Fusion Product Information
- 4.7.13 Enter, Edit, or Delete Target Criteria
- 4.6.14 Calculate Probabilities for Potential Actions
- 4.6.15 Determine Best Positioning for Access to the Adversary
- 4.3.16 Analyze Effects
- 4.6.16 Determine Electromagnetic Signature (EMSIG) Vulnerability
- 4.8.17 Correlate Events
- 4.3.17 Assess Battle Damage in Real-Time
- 4.3.18 Assess Effect
- 4.3.19 Evaluate Effects of Electronic Warfare (EW)
- 4.3.20 Analyze Effects (value)
- 4.3.21 Analyze Effects (value)
- 4.3.22 Assess Battle Damage
- 4.8.23 Assess IO Impact
- 4.3.23 Assess Damage Reports
- 4.6.24 Evaluate Potential Targets
- 4.3.24 Assess Combat Performance
- 4.6.25 Predict Enemy Intent
- 4.8.25 Exploit Intelligence
- 5.3.2 Generate Enemy Scenarios
- 5.5.6 Generate & Validate CCIR (PIR, FFIR, EEFI)
- 5.1.11 Create Sensor Plans
- 5.1.17 Create Collection Plans
- 5.1.22 Create Target & Threat Plans
- 5.1.36 Create Commanders Guidance
- 5.1.37 Update Commanders Guidance
- 5.1.40 Record Priority Intelligence Requirements
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.46 Develop CONOPS
- 5.1.47 Develop Initial Alternative Courses of Action
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs

## UNCLASSIFIED FOUO

- 5.1.56 Generate Enemy Order of Battle (EOB)
- 6.2.1 Provide Re-attack Recommendation
- 6.2.3 Develop Targets
- 6.2.4 Determine Attack Window
- 6.3.14 Locate Target
- 6.1.19 Execute Sensor Collection
- 6.1.26 Generate Orders to Align System Parameters
- 6.1.31 Process Sensor Collection Requests
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.2.5 Receive Mission Update
- 7.1.7 Transfer Data
- 7.1.12 Transfer File
- 7.1.19 Select Message
- 7.1.20 Prioritize Message
- 7.1.21 Provide Message Status
- 7.1.23 Notify User of Message Arrival
- 7.2.24 Forward Message
- 7.1.24 Manage E-Mail
- 7.1.39 Control Communications
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.55 Manage Messaging Services
- 7.1.96 Transmit or Receive Information
- 8.10.1 Integrate Human Machine Interface
- 8.4.1 Create and Edit Messages
- 8.10.3 Display Data
- 8.2.7 Decrypt Data
- 8.4.7 Spell and Grammar Check Documents
- 8.2.8 Encrypt Data
- 8.4.10 Generate Displays
- 8.10.13 Control Refresh Rate
- 8.2.13 Implement NSA or NIST Public Key Cryptography
- 8.10.14 Identify the Need for Human-in-the-Loop Response
- 8.10.15 Provide Human Performance
- 8.4.22 View Documents
- 8.1.23 Synchronize Network Timing
- 8.2.24 Authenticate Data
- 8.5.25 Identify Electronic Attack
- 8.5.29 Perform Anomaly Response

## UNCLASSIFIED FOUO

- 8.1.35 Design and Maintain Web Pages
- 8.1.38 Establish Community of Interest (COI)
- 8.7.41 Provide Directory Services
- 8.7.42 Request Data
- 8.2.42 Provide User Single Sign-On
- 8.7.43 Mine Data
- 8.7.44 Mediate Data
- 8.7.47 Synchronize Data
- 8.7.48 Monitor Data
- 8.7.49 Submit Information Requirements
- 8.7.50 Discover Data
- 8.7.51 Characterize Performance
- 8.7.54 Convert Analog Data to Digital Data
- 8.7.58 Manage COI Catalogs
- 8.1.64 Provide Online Help Services
- 8.1.69 Provide Web Applications
- 8.7.71 Store Semantic Information on Data
- 8.7.72 Subscribe to Data
- 8.7.74 Update Subscription Database
- 8.7.81 Store Data
- 8.7.82 Retain Data
- 8.7.91 Acquire Data
- 14.1.1 Collect and Process SIGINT
- 14.1.2 Collect and Process IMINT Data
- 14.1.3 Collect and Process MASINT Data
- 14.1.4 Receive and Process HUMINT Data
- 14.1.6 Process Intelligence Data
- 14.1.10 Parse HUMINT Report
- 14.1.11 Disseminate Intelligence Products
- 14.1.12 Fuse Single-Source Intelligence Data
- 14.1.13 Fuse Multi-Source Intelligence Data
- 14.1.14 Manage HUMINT Dossier
- 14.1.15 Manage HUMINT Sources
- 14.1.16 Disseminate High Priority Tactical SIGINT Report
- 14.1.17 Evaluate Collection Results
- 14.1.18 Evaluate Intelligence Collection, Products, Reporting
- 14.1.19 Identify, Prioritize and Validate Intelligence Requirements
- 14.1.20 Generate Intelligence Product Update Requests
- 14.1.21 Extract Automated Feature

## UNCLASSIFIED FOUO

14.1.27 Provide Defense Intelligence Services

14.1.28 Disseminate Tactical SIGINT Report

**ASOC**

1.4.10 Generate Sensor Coverage

1.4.11 Maintain Sensor Configurations

1.4.13 Generate Sensor Tasking

2.1.6 Track Blue Forces

2.1.7 Qualify Track

2.2.8 Determine Composite ID

2.1.12 Coordinate Remote Track Reporting

2.1.17 Assign Track Number

2.1.21 Update Existing Track

2.1.22 Assign Correlation and Association Track Attributes

2.1.23 Assign Track Category

2.1.24 Calculate Geolocation

2.1.25 Estimate Track Count

3.2.1 Generate Common Operational Picture

3.5.2 Update Resource Information

3.2.3 Generate Battle Damage Scene

3.4.3 Receive, Store and Maintain Geospatial Product Information

3.4.5 Maintain Shared Situational Awareness

3.2.6 Generate Target Coordinates

3.5.9 Monitor Force Status

3.4.11 Translate and Distribute Commanders Intent

3.4.13 Manage Airspace Control Measures

3.2.18 Display Geospatial Information Overlay

3.4.19 Share Information

3.2.33 Monitor In-Flight Reporting

4.7.3 Review Restricted Target List

4.8.3 Determine Platform-Target Weapon Pairing

4.7.5 Select & Prioritize Target

4.6.17 Specify Required Effects

4.6.20 Select Best Attack Asset

6.2.11 Deconflict Blue Force Position and Mission

6.2.17 Process Air Support Request

6.1.25 Manage Weapon Hand-Over

7.3.5 Translate and Forward Data

7.2.5 Receive Mission Update

7.3.7 Control Data Link Router

## UNCLASSIFIED FOUO

- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.3.11 Forward Ground-based Link (GBDL)
- 7.2.12 Communicate Status
- 7.3.12 Forward Link Data
- 7.1.14 Respond or Reply to Request for Information
- 7.2.15 Communicate with Weapon During Flyout
- 7.2.17 Communicate Mission Information
- 7.2.24 Forward Message
- 7.1.26 Communicate Beyond Line of sight Narrowband-Satellite-LPI/LPD
- 7.2.30 Transmit Track Data
- 7.1.34 Communicate Beyond Line of sight-Wideband MILSAT
- 7.2.34 Relay Communications
- 7.1.35 Communicate Beyond Line of sight-Wideband-Satellite-LPI/LPD
- 7.1.41 Provide Line-of-Sight Communications
- 7.1.45 Coordinate Tactical Reach-Back
- 7.1.54 Provide Beyond Line-of-Sight Communications
- 7.1.72 Operate Within Selected Frequency Range
- 7.1.73 Perform Voice Multiplexing or Demultiplexing
- 7.1.84 Modulate Digital Data
- 7.1.87 Communicate via Radio Frequency (RF) Communications
- 7.1.93 Communicate Data across Multiple Classification Domains
- 7.1.94 Provide Transport Services
- 7.1.96 Transmit or Receive Information
- 7.1.97 Transmit in Variety of Waveforms
- 8.5.1 Operate Network
- 8.9.1 Determine Policy Conflicts
- 8.7.1 Manage Data Infrastructure
- 8.4.1 Create and Edit Messages
- 8.3.1 Establish Network
- 8.8.2 Authorize User Roles and Services
- 8.7.2 Manage General Information
- 8.5.2 Transmit Data on Established Path
- 8.2.2 Detect Security Events
- 8.5.3 Identify Transmission Paths
- 8.3.3 Establish and Maintain Connectivity
- 8.1.4 Route Data
- 8.4.4 Perform Desktop Publishing
- 8.4.5 Manage Documents

## UNCLASSIFIED FOUO

- 8.1.5 Share Information
- 8.3.5 Establish Circuit
- 8.9.6 Interact with Enterprise Information Environment
- 8.7.6 Update Data
- 8.1.6 Support Communication
- 8.2.6 Provide Entity Authentication Services
- 8.4.6 Support Web Browsing
- 8.4.7 Spell and Grammar Check Documents
- 8.2.7 Decrypt Data
- 8.7.7 Maintain Data Integrity
- 8.7.8 Query Data
- 8.2.8 Encrypt Data
- 8.7.9 Sort Data
- 8.2.9 Maintain Secure Data Transmission
- 8.7.10 Filter Information
- 8.10.10 Provide Graphical User Interface Services
- 8.2.10 Monitor Network Security
- 8.4.10 Generate Displays
- 8.10.11 Provide Data Entry Interface
- 8.1.13 Maintain Network and Communication Status
- 8.2.13 Implement NSA or NIST Public Key Cryptography
- 8.7.14 Delete Data
- 8.2.14 Provide Tamper Detection Capability
- 8.6.15 Restore Capabilities
- 8.1.16 Manage Network Performance
- 8.2.17 Maintain Network Classification
- 8.7.18 Archive Data
- 8.1.19 Conduct Information Management
- 8.2.19 Validate User Credentials
- 8.1.20 Manage Network Functions
- 8.2.20 Authorize Data Access
- 8.7.21 Correlate Data
- 8.1.21 Manage Systems
- 8.2.21 Respond to Security Events
- 8.7.22 Disseminate Data
- 8.1.22 Provide Networked Services and Applications
- 8.4.22 View Documents
- 8.2.22 Access Information at Multiple Levels of Security
- 8.7.23 Disseminate Time Data

## UNCLASSIFIED FOUO

- 8.7.24 Manage Information Delivery
- 8.4.24 Execute Operating System Functions
- 8.2.24 Authenticate Data
- 8.1.24 Assess Network
- 8.7.25 Register Data
- 8.2.25 Authorize Information Import/Export
- 8.1.25 Manage Status of Network Assets
- 8.7.26 Replicate Data
- 8.2.26 Configure Communications and Security Devices
- 8.7.27 Retrieve Data
- 8.2.27 Handle Multiple Security Levels
- 8.1.27 Terminate Network Connection
- 8.7.28 Provide Database Utilities
- 8.2.28 Identify Firewall Rule Set Penetration Events
- 8.7.29 Manage Data Storage
- 8.7.30 Populate Data Repositories
- 8.2.30 Identify Intrusion Detection System (IDS) Events
- 8.2.32 Mitigate Opportunity to Attack
- 8.4.33 Provide Printing Services
- 8.7.34 Verify Data
- 8.7.36 Post or Publish Data
- 8.4.37 Control Operation of Computer
- 8.2.37 Provide Network Force Protection and Security
- 8.7.40 Format Data
- 8.4.40 Generate Reports
- 8.2.40 Implement Firewall Protection
- 8.4.41 Manage Reports
- 8.2.41 Provide Audit Services
- 8.1.41 Manage Services
- 8.7.42 Request Data
- 8.2.42 Provide User Single Sign-On
- 8.1.43 Negotiate Services Across Networks
- 8.7.48 Monitor Data
- 8.7.56 Maintain Address Book
- 8.7.72 Subscribe to Data
- 8.7.79 Recover Data
- 8.7.81 Store Data
- 8.7.82 Retain Data
- 8.7.83 Manage and Manipulate File and File Systems

## UNCLASSIFIED FOUO

- 8.7.91 Acquire Data
- 9.2 System Test - Group
- 9.1.1 Estimate Equipment Reliability
- 9.2.1 Perform Built-In Test (BIT)
- 9.1.2 Track Maintenance Trouble Reports
- 9.2.3 Perform Automated System Diagnostics and Reconfiguration
- 9.2.4 Perform Network Fault Isolation and Reconfiguration
- 9.2.5 Monitor Faults
- 9.1.9 Determine Maintenance Personnel Availability
- 9.1.10 Monitor/Track Maintenance Training and Qualifications
- 9.1.11 Schedule Inspections
- 9.1.12 Maintain Parts Information
- 9.1.15 Conduct Maintenance Planning
- 9.1.20 Track Maintenance Repairs
- 9.1.23 Perform Diagnostic Testing
- 10.2.2 Manage Travel Allowances
- 10.1.3 Identify Catalog Item by Serial Numbers
- 10.2.4 Issue Travel Orders
- 10.1.5 Track Inventory
- 10.1.7 Manage Receipt and Acceptance of Goods Transactions
- 10.1.21 Track Order Status
- 10.1.26 Manage Disposal Activities
- 12.1.1 Enter and Update Personnel Security Data
- 13.1.2 Perform Training Exercise
- 13.1.4 Manage Unit Training
- 13.2.5 Perform Embedded Training
- 13.1.6 Evaluate Training

**AWACS (E-3)**

- 1.2.1 Search with Active Sensor
- 1.5.2 Receive Navigation Signals
- 1.5.3 Recognize Navigation Signals
- 1.2.3 Search with Air Search Sensor
- 1.5.4 Search Navigation Signals
- 1.2.4 Search with Surface or Ground Search Sensor
- 1.5.5 Process Navigation Signals
- 1.2.5 Search with Passive Sensor
- 1.5.6 Correlate Navigational Data
- 1.1.7 Register Electromagnetic Signals
- 1.5.8 Integrate GPS Port Data



## UNCLASSIFIED FOUO

- 3.4.1 Display Automatic Target Recognition
- 3.2.2 Generate Common Tactical Picture
- 3.5.2 Update Resource Information
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.2.3 Generate Battle Damage Scene
- 3.2.4 Update COP Display
- 3.3.5 Generate Alert
- 3.2.6 Generate Target Coordinates
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.5.9 Monitor Force Status
- 3.5.12 Retrieve and Maintain Rules of Engagement (ROE)
- 3.4.13 Manage Airspace Control Measures
- 3.4.14 Manage Target Materials Information
- 3.5.16 Identify and Catalog Joint Assets and Activities
- 3.4.19 Share Information
- 3.2.32 Mensurate Object Coordinates
- 4.7.2 Manage Target List
- 4.7.3 Review Restricted Target List
- 4.7.4 Update High Value Target (HVT) List
- 4.7.5 Select & Prioritize Target
- 4.7.6 Predict Target Future Movements
- 4.7.12 Recommend Target for Nomination
- 4.6.17 Specify Required Effects
- 4.6.20 Select Best Attack Asset
- 6.2.1 Provide Re-attack Recommendation
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.2.12 Define Attack Guidance
- 6.2.17 Process Air Support Request
- 6.1.25 Manage Weapon Hand-Over
- 7.1 Provide Ability to Communicate - Group
- 7 COMMUNICATIONS - Level 1
- 7.3 Data Link Services - Group
- 7.3.1 Control Data Link
- 7.3.5 Translate and Forward Data
- 7.2.5 Receive Mission Update
- 7.3.6 Operate In Receive-Only Mode
- 7.3.7 Control Data Link Router
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets

## UNCLASSIFIED FOUO

- 7.3.9 Filter Translation or Forwarding
- 7.3.11 Forward Ground-based Link (GBDL)
- 7.3.12 Forward Link Data
- 7.2.12 Communicate Status
- 7.2.14 Communicate Engagement Orders
- 7.1.14 Respond or Reply to Request for Information
- 7.2.15 Communicate with Weapon During Flyout
- 7.2.17 Communicate Mission Information
- 7.3.17 Forward Data Over-the-Horizon
- 7.1.19 Select Message
- 7.2.24 Forward Message
- 7.1.25 Communicate Beyond Line of Sight Anti Jam Wideband Satellite
- 7.2.30 Transmit Track Data
- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
- 7.2.34 Relay Communications
- 7.1.34 Communicate Beyond Line of sight-Wideband MILSAT
- 7.1.37 Communications Net Message Translation
- 7.1.41 Provide Line-of-Sight Communications
- 7.1.54 Provide Beyond Line-of-Sight Communications
- 7.1.72 Operate Within Selected Frequency Range
- 7.1.73 Perform Voice Multiplexing or Demultiplexing
- 7.1.84 Modulate Digital Data
- 7.1.87 Communicate via Radio Frequency (RF) Communications
- 7.1.90 Select Optimum Transmission Path
- 7.1.93 Communicate Data across Multiple Classification Domains
- 7.1.94 Provide Transport Services
- 7.1.96 Transmit or Receive Information
- 7.1.97 Transmit in Variety of Waveforms
- 8.3.1 Establish Network
- 8.4.1 Create and Edit Messages
- 8.7.2 Manage General Information
- 8.10.3 Display Data
- 8.1.4 Route Data
- 8.4.5 Manage Documents
- 8.2.6 Provide Entity Authentication Services
- 8.4.7 Spell and Grammar Check Documents
- 8.2.7 Decrypt Data
- 8.2.8 Encrypt Data
- 8.2.10 Monitor Network Security

## UNCLASSIFIED FOUO

- 8.4.10 Generate Displays
- 8.4.18 Produce PDF Documents
- 8.2.20 Authorize Data Access
- 8.2.21 Respond to Security Events
- 8.1.22 Provide Networked Services and Applications
- 8.2.27 Handle Multiple Security Levels
- 8.2.35 Manage Network Keys
- 8.2.36 Order Network Keys
- 8.1.69 Provide Web Applications
- 13.1.2 Perform Training Exercise

**BCCS**

- 7.1.1 Establish Communication Networks
- 7.2.2 Transmit Weapons Recommendations
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.2.5 Receive Mission Update
- 7.1.5 Transfer Data via Packet Switching
- 7.1.6 Track Requests for Information
- 7.2.6 Transmit Coverage Plan
- 7.1.7 Transfer Data
- 7.2.7 Receive Strategic Mission & Guidance
- 7.1.8 Transfer Data via a Virtual Circuit
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.1.9 Transfer Data with Datagram Approach
- 7.2.11 Communicate Force Information
- 7.1.12 Transfer File
- 7.1.13 Identify Communications Assets
- 7.2.13 Communicate Mission Objectives & Support Needs
- 7.2.14 Communicate Engagement Orders
- 7.1.14 Respond or Reply to Request for Information
- 7.2.16 Communicate Meteorological and Oceanographic (METOC) Data
- 7.2.17 Communicate Mission Information
- 7.2.18 Communicate Geodesy Data
- 7.2.19 Maintain Routing Information
- 7.1.19 Select Message
- 7.1.20 Prioritize Message
- 7.1.21 Provide Message Status
- 7.1.22 Manage Message Boards

## UNCLASSIFIED FOUO

- 7.2.22 Control Use of Information Transfer System
- 7.1.23 Notify User of Message Arrival
- 7.1.24 Manage E-Mail
- 7.2.25 Exchange Messages Asynchronously
- 7.2.27 Exchange Messages Synchronously
- 7.2.29 Transmit Measurement Data
- 7.2.31 Perform System-Independent Representation
- 7.1.47 Limit Scope and Impact of Multicast Traffic on Network
- 7.1.52 Provide International Operation Services
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.55 Manage Messaging Services
- 7.1.56 Provide Shared Audio Visualization Capabilities
- 7.1.65 Ensure Non-Repudiation
- 7.1.77 Coordinate Message Delivery
- 7.1.79 Address Data by Position or Organization
- 7.1.80 Dynamically Transfer Data Based on Precedence
- 7.1.82 Conduct Automated Load Balancing
- 7.1.83 Conduct Transmission Error Detection and Correction
- 7.1.87 Communicate via Radio Frequency (RF) Communications
- 7.1.88 Communicate Signals via Line Communications
- 7.1.93 Communicate Data across Multiple Classification Domains
- 7.1.94 Provide Transport Services
- 8.7.1 Manage Data Infrastructure
- 8.8.1 Customize User Management
- 8.10.1 Integrate Human Machine Interface
- 8.5.1 Operate Network
- 8.12.1 Manage Collaboration Activities
- 8.9.1 Determine Policy Conflicts
- 8.6.1 Configure Network
- 8.4.1 Create and Edit Messages
- 8.1.1 Provide Network Services
- 8.2.1 Perform Network Information Assurance
- 8.3.1 Establish Network
- 8.12.2 Initiate Collaboration
- 8.9.2 Provide Environment Control Policy Enforcement Decisions
- 8.7.2 Manage General Information
- 8.5.2 Transmit Data on Established Path
- 8.8.2 Authorize User Roles and Services
- 8.3.2 Dynamically Configure or Reconfigure Network

## UNCLASSIFIED FOUO

- 8.2.2 Detect Security Events
- 8.9.3 Provide Environment Control Policy Enforcement Services
- 8.8.3 Manage Accounts
- 8.5.3 Identify Transmission Paths
- 8.7.3 Perform Dynamic Routing
- 8.12.3 Perform Collaboration
- 8.10.3 Display Data
- 8.2.3 Regulate Information Dissemination
- 8.1.3 Provide Remote Access
- 8.3.3 Establish and Maintain Connectivity
- 8.7.4 Analyze Data
- 8.9.4 Initiate a New System Tasking for Information
- 8.8.4 Monitor and Adapt User Interface
- 8.12.4 Allocate and Manage Collaboration Communications
- 8.5.4 Manage Network Accounting
- 8.3.4 Establish Wireless Battleforce Network
- 8.4.4 Perform Desktop Publishing
- 8.1.4 Route Data
- 8.8.5 Assign Roles and Privileges
- 8.9.5 Integrate Enterprise Applications
- 8.10.5 Provide Feedback on User Input and Actions
- 8.7.5 Translate Data
- 8.5.5 Adjust Network Resources
- 8.12.5 Terminate Collaboration
- 8.3.5 Establish Circuit
- 8.1.5 Share Information
- 8.2.5 Provide Confidentiality Services
- 8.4.5 Manage Documents
- 8.9.6 Interact with Enterprise Information Environment
- 8.5.6 Coordinate Network Resource Availability
- 8.8.6 Maintain and Create User Profile
- 8.12.6 Conduct Decision Process Collaboration
- 8.3.6 Establish Connectionless Network Services
- 8.7.6 Update Data
- 8.2.6 Provide Entity Authentication Services
- 8.4.6 Support Web Browsing
- 8.1.6 Support Communication
- 8.6.7 Determine System Availability
- 8.9.7 Manage Enterprise Information Assets

## UNCLASSIFIED FOUO

- 8.12.7 Manage Collaboration Resources
- 8.5.7 Control Normal Operations
- 8.7.7 Maintain Data Integrity
- 8.2.7 Decrypt Data
- 8.3.7 Establish Node Associations
- 8.4.7 Spell and Grammar Check Documents
- 8.5.8 Maintain Required Quality of Service
- 8.10.8 Provide Network Manager Human System Integration
- 8.12.8 Determine Collaboration Resource Availability
- 8.9.8 Evaluate Enterprise Knowledge Information
- 8.4.8 Bind Services and Application Program Interfaces
- 8.7.8 Query Data
- 8.3.8 Authenticate Wireless Network Associations
- 8.2.8 Encrypt Data
- 8.7.9 Sort Data
- 8.12.9 Provide Common Workspace
- 8.8.9 Request Account for Enterprise Information Environment
- 8.9.9 Publish Request for Services
- 8.10.9 Provide Automated Interfaces to Current System Planning Tools
- 8.3.9 Load Applications
- 8.4.9 Duplicate Optical Media
- 8.1.9 Provide Network Applications Services
- 8.7.10 Filter Information
- 8.6.10 Maintain NetOps Configuration Monitoring
- 8.8.10 Request Service Subscription or Change to Service Subscription
- 8.10.10 Provide Graphical User Interface Services
- 8.12.10 Transcribe Collaboration
- 8.2.10 Monitor Network Security
- 8.3.10 Develop Clients and Servers
- 8.1.10 Receive Request for Information
- 8.4.10 Generate Displays
- 8.8.11 Manage COI Subscriptions
- 8.7.11 Formulate Discovery Search
- 8.10.11 Provide Data Entry Interface
- 8.5.11 Monitor Network Usage
- 8.2.11 Provide Identity Management Services
- 8.3.11 Identify Variance
- 8.4.11 Manage Discovery Services
- 8.1.11 Provide Message Services

## UNCLASSIFIED FOUO

- 8.8.12 Log Operator Activity
- 8.5.12 Predict System Capability
- 8.10.12 Provide Light Discipline for User
- 8.4.12 Process Multimedia Information
- 8.1.12 Provide Negotiation services
- 8.10.13 Control Refresh Rate
- 8.7.13 Compress Data
- 8.8.13 Control System States and Modes
- 8.5.13 Employ Over-the-Air Transfer
- 8.1.13 Maintain Network and Communication Status
- 8.2.13 Implement NSA or NIST Public Key Cryptography
- 8.4.13 Perform Calculation
- 8.10.14 Identify the Need for Human-in-the-Loop Response
- 8.8.14 Register in Community of Interest (COI) Directory
- 8.7.14 Delete Data
- 8.1.14 Provide Network Access
- 8.4.14 Process Information Distributively
- 8.8.15 Request Access to Enterprise Information Environment
- 8.7.15 Transform Data
- 8.5.15 Receive Storage Media Resource Request
- 8.1.15 Provided Shared Production Capabilities
- 8.4.15 Produce and Manipulate Video
- 8.10.16 Present User Defined Situational Awareness Information
- 8.5.16 Discard Cells
- 8.7.16 Migrate Data
- 8.4.16 Produce and Manage Media
- 8.1.16 Manage Network Performance
- 8.7.17 Cleanse Data
- 8.1.17 Perform Data Services
- 8.4.17 Produce Label Templates
- 8.7.18 Archive Data
- 8.5.18 Establish a Virtual Channel Connection (VCC)
- 8.1.18 Remotely Control System Operations
- 8.4.18 Produce PDF Documents
- 8.2.18 Perform Registration Services
- 8.7.19 Categorize Data
- 8.5.19 Establish a Virtual Path Channel (VPC)
- 8.4.19 Provide and Manage Graphics
- 8.2.19 Validate User Credentials

## UNCLASSIFIED FOUO

- 8.1.19 Conduct Information Management
- 8.7.20 Characterize Objects
- 8.5.20 Establish Optimum Connection – Oriented Network Services
- 8.1.20 Manage Network Functions
- 8.2.20 Authorize Data Access
- 8.5.21 Establish / Release a Virtual Path by Customer Control
- 8.7.21 Correlate Data
- 8.1.21 Manage Systems
- 8.2.21 Respond to Security Events
- 8.5.22 Establish / Release a Virtual Path via Network Control
- 8.7.22 Disseminate Data
- 8.1.22 Provide Networked Services and Applications
- 8.2.22 Access Information at Multiple Levels of Security
- 8.4.22 View Documents
- 8.7.23 Disseminate Time Data
- 8.5.23 Establish Virtual Path on a Semi-Permanent Basis
- 8.1.23 Synchronize Network Timing
- 8.4.23 Execute Command Interpreter and Utility Services
- 8.7.24 Manage Information Delivery
- 8.5.24 Establish Switched Virtual Circuits (SVCs) and Permanent Virtual Circuits (PVCs)
- 8.4.24 Execute Operating System Functions
- 8.1.24 Assess Network
- 8.2.24 Authenticate Data
- 8.7.25 Register Data
- 8.4.25 Generate Data Analysis Menu Screens
- 8.2.25 Authorize Information Import/Export
- 8.1.25 Manage Status of Network Assets
- 8.7.26 Replicate Data
- 8.2.26 Configure Communications and Security Devices
- 8.4.26 Perform Batch Processing Services
- 8.1.26 Perform System and Network Analysis
- 8.7.27 Retrieve Data
- 8.4.27 Provide Character-Based Services
- 8.2.27 Handle Multiple Security Levels
- 8.1.27 Terminate Network Connection
- 8.7.28 Provide Database Utilities
- 8.5.28 Negotiate Traffic Parameters
- 8.1.28 Find Services
- 8.2.28 Identify Firewall Rule Set Penetration Events

## UNCLASSIFIED FOUO

- 8.4.28 Provide Dialogue Support Services
- 8.7.29 Manage Data Storage
- 8.4.29 Provide Display Object Services
- 8.2.29 Identify Insider Anomaly Events
- 8.1.29 Assess Peer Architecture
- 8.7.30 Populate Data Repositories
- 8.5.30 Provide Network Management Hardware/Software Mechanisms
- 8.1.30 Assess Peer Network Connectivity
- 8.2.30 Identify Intrusion Detection System (IDS) Events
- 8.7.31 Allocate Storage Resources
- 8.4.31 Provide Graphical Client – Server Services
- 8.1.31 Maintain Global Directory Service
- 8.2.31 Manage Threats to Network
- 8.7.32 Manage Metadata
- 8.2.32 Mitigate Opportunity to Attack
- 8.5.32 Reroute Messages
- 8.7.33 Transfer Application Data
- 8.4.33 Provide Printing Services
- 8.1.33 Calculate Processing Availability
- 8.5.33 Scan Mailbox
- 8.7.34 Verify Data
- 8.4.34 Support Multimedia Processing
- 8.7.35 Regulate Data Flow
- 8.4.35 Window Management Services
- 8.1.35 Design and Maintain Web Pages
- 8.7.36 Post or Publish Data
- 8.4.36 Provide Office Automation Services
- 8.7.37 Ensure Data Asset Visibility
- 8.4.37 Control Operation of Computer
- 8.1.37 Dynamically Revoke Policy Parameters
- 8.4.38 Reconfigure Information Transfer System
- 8.7.38 Provide Visibility of Data Storage Infrastructure
- 8.1.38 Establish Community of Interest (COI)
- 8.2.38 Authenticate Remotely
- 8.7.39 Aggregate Data
- 8.4.39 Produce Multimedia Reports
- 8.2.39 Gain Access to Sensing Location or Information
- 8.1.39 Establish Redundancy in the Network
- 8.4.40 Generate Reports

## UNCLASSIFIED FOUO

- 8.7.40 Format Data
- 8.1.40 Initialize and Finalize Service Execution
- 8.2.40 Implement Firewall Protection
- 8.7.41 Provide Directory Services
- 8.4.41 Manage Reports
- 8.2.41 Provide Audit Services
- 8.1.41 Manage Services
- 8.7.42 Request Data
- 8.1.42 Map Network Topology and Parameters
- 8.2.42 Provide User Single Sign-On
- 8.4.43 Generate Preformatted Graphics
- 8.7.43 Mine Data
- 8.1.43 Negotiate Services Across Networks
- 8.2.43 Identify with Biometrics Identity Services
- 8.7.44 Mediate Data
- 8.7.45 Apply Data
- 8.1.45 Provide Application Development Services
- 8.7.46 Determine Data Requirements
- 8.1.46 Provide Asymmetric Network Capability
- 8.7.47 Synchronize Data
- 8.7.48 Monitor Data
- 8.1.48 Provide Common Services
- 8.7.49 Submit Information Requirements
- 8.1.49 Provide Cross-Functional Community of Interest Support Services
- 8.7.50 Discover Data
- 8.7.51 Characterize Performance
- 8.1.51 Provide Machine-to-Machine Data Access Mechanisms
- 8.7.52 Report Performance Results
- 8.1.52 Provide Mobile User Location History
- 8.7.53 Access Subject Matter Expert & Essential Information
- 8.1.53 Provide Over the Air Software Upgrades
- 8.7.54 Convert Analog Data to Digital Data
- 8.1.54 Select Transmission Path for Ensuring Required Quality of Service (QOS)
- 8.7.55 Establish Discovery Catalogs
- 8.1.55 Provide Subscription Services
- 8.7.56 Maintain Address Book
- 8.1.56 Translate Name to Address
- 8.7.57 Maintain Distributed Archives
- 8.7.58 Manage COI Catalogs

## UNCLASSIFIED FOUO

- 8.7.59 Manage Encyclopedic Database
- 8.1.59 Provide Discovery Services
- 8.7.60 Manage Enterprise Storage Resources
- 8.1.60 Provide Distributed Domain Name Services
- 8.7.61 Manage Maintenance Services Database
- 8.1.61 Provide License Management Services
- 8.7.62 Monitor System/Resource Allocation
- 8.1.62 Provide Namespace Services
- 8.7.63 Search within Context
- 8.1.63 Provide Online Disk Management Services
- 8.7.64 Integrate Data
- 8.1.64 Provide Online Help Services
- 8.7.65 Perform Text Searches
- 8.1.65 Provide Remote Print Spooling and Output Distribution Services
- 8.7.66 Post Metadata to a Discovery Catalog
- 8.1.66 Provide Shared Conference Window User Screens
- 8.7.67 Post Metadata to a Federated Directory
- 8.1.67 Manage Message Traffic
- 8.7.68 Post Metadata to Metadata Registries
- 8.1.68 Provide Workgroup or Groupware Capability
- 8.7.69 Query Unit and Infrastructure Strength and Limitations
- 8.1.69 Provide Web Applications
- 8.7.70 Re-Map Information
- 8.1.70 Assess Peer Computing Program (PCP) Resources
- 8.7.71 Store Semantic Information on Data
- 8.1.71 Manage Mediation Services
- 8.7.72 Subscribe to Data
- 8.1.72 Provide Configuration Management Services
- 8.7.74 Update Subscription Database
- 8.7.75 Manage Core Services Repository
- 8.7.76 Provide Data Mediation
- 8.7.77 Access Distributed Files
- 8.7.78 Provide Character Sets and Data Representation Services
- 8.7.79 Recover Data
- 8.7.80 Store Cultural Convention Services
- 8.7.81 Store Data
- 8.7.82 Retain Data
- 8.7.83 Manage and Manipulate File and File Systems
- 8.7.84 Perform Multilevel Security Data Filtering

## UNCLASSIFIED FOUO

- 8.7.85 Perform Distributed Data Services
- 8.7.86 Analyze and Organize Data
- 8.7.87 Validate Request for Information
- 8.7.89 Provide Discovery Metadata for Situational Awareness
- 8.7.91 Acquire Data
- 8.7.92 Provide Relevant Information
- 8.7.93 Distribute Service Master Records
- 8.7.94 Store Applications
- 8.7.95 Search Unstructured Data
- 8.7.96 Review Information Search Results
- 8.7.97 Report Query Results
- 8.7.98 Perform Data Check
- 8.7.99 Produce Information Mapping and Taxonomy
- 8.7.100 Provide Information Delivery Vehicle
- 9.2 System Test - Group
- 9.1.2 Track Maintenance Trouble Reports
- 9.3.3 Protect Against Effect of Electromagnetic Pulse (EMP) and Directed Energy Threat
- 9.3.4 Provide Voltage Surge Protection
- 9.1.6 Manage Service Requests
- 9.1.7 Plan Maintenance Part and Material Requirements
- 9.1.12 Maintain Parts Information
- 9.1.15 Conduct Maintenance Planning
- 9.1.16 Control Graceful Degradation
- 9.1.17 Determine Maintenance Solution
- 9.1.19 Provide On-Line Fault Isolation
- 9.1.20 Track Maintenance Repairs
- 9.1.23 Perform Diagnostic Testing
- 13.3.2 Generate and Manage Curriculum Content
- 13.3.3 Schedule Training Courses
- 13.3.4 Schedule Training Resources
- 13.2.5 Perform Embedded Training
- 13.2.6 Commence Embedded Training
- 13.2.14 Conduct Individual Computer Generated Instruction
- 13.3.16 Track Student Certifications and Qualifications

**BCS3**

- 1.4.5 Manage Sensors
- 1.5.6 Correlate Navigational Data
- 1.5.9 Distribute Precision Navigation and Time Data
- 1.2.10 Locate Signal

## UNCLASSIFIED FOUO

- 1.5.10 Translate Navigation Data
- 1.5.11 Translate Time Data
- 1.4.15 Process Source Requirements
- 1.1.16 Process RFID Tag
- 1.4.25 Correlate JISR Resources
- 2.2.1 Determine Combat Identification
- 2.2.2 Determine Combat Identity
- 2.2.4 Determine Track Activity and Status
- 2.1.6 Track Blue Forces
- 2.1.8 Fuse Track Measurements
- 2.2.18 Determine Blue Force Tracking Identification
- 2.1.28 Monitor Track Safe Return or Passage
- 3 GENERATE COMMON SITUATIONAL AWARENESS - Level 1
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3.2.1 Generate Common Operational Picture
- 3.2.2 Generate Common Tactical Picture
- 3.5.3 Analyze Transportation Asset Visibility
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.5.5 Report Unit and Platform Status
- 3.5.6 Access Joint Asset Information
- 3.4.9 Aggregate and Present Blue Force Tracks
- 3.5.17 Process Asset Specific Information Query
- 3.2.18 Display Geospatial Information Overlay
- 3.5.18 Monitor Weapon and Ammunition Inventories
- 3.2.20 Display Resource Movement
- 3.2.27 Provide Geospatial Coordinates
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.32 Mensurate Object Coordinates
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.3.1 Monitor Operational Situation
- 4.8.2 Analyze Mission
- 4.3.3 Analyze Operational Situation
- 4.8.6 Analyze COAs
- 4.3.7 Evaluate Operational Environment
- 4.6.8 Determine Force Movement
- 4.8.8 Assess Force Readiness
- 4.8.10 Assess Warfighting Resources
- 5.5.2 Determine Force Requirements

## UNCLASSIFIED FOUO

- 5.4.5 Determine Operational and Tactical Assets
- 5.5.6 Generate & Validate CCIR (PIR, FFIR, EEFI)
- 5.4.12 Analyze Theater Supply and Service Units
- 5.1.15 Create Strategic Plans
- 5.1.43 Modify Resupply Plan
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 6.1.16 Allocate Troop and Cargo Transport
- 7.3.5 Translate and Forward Data
- 7.1.7 Transfer Data
- 7.2.7 Receive Strategic Mission & Guidance
- 7.3.9 Filter Translation or Forwarding
- 7.2.11 Communicate Force Information
- 7.2.12 Communicate Status
- 7.1.14 Respond or Reply to Request for Information
- 7.2.17 Communicate Mission Information
- 7.1.19 Select Message
- 7.1.21 Provide Message Status
- 7.1.23 Notify User of Message Arrival
- 7.2.24 Forward Message
- 7.2.25 Exchange Messages Asynchronously
- 7.2.27 Exchange Messages Synchronously
- 7.1.96 Transmit or Receive Information
- 8.7.4 Analyze Data
- 8.9.8 Evaluate Enterprise Knowledge Information
- 8.10.10 Provide Graphical User Interface Services
- 8.10.16 Present User Defined Situational Awareness Information
- 8.4.19 Provide and Manage Graphics
- 8.4.21 Process Imagery
- 8.4.29 Provide Display Object Services
- 8.4.40 Generate Reports
- 8.4.43 Generate Preformatted Graphics
- 8.7.45 Apply Data
- 8.7.91 Acquire Data
- 10.2.1 Schedule Distribution and Transportation
- 10.1.3 Identify Catalog Item by Serial Numbers
- 10.1.4 Process Issue of Goods
- 10.1.5 Track Inventory
- 10.1.6 Register Receipt of Goods
- 10.1.7 Manage Receipt and Acceptance of Goods Transactions

## UNCLASSIFIED FOUO

- 10.1.8 Create/Change Orders and Deliveries
- 10.1.9 Perform Lifecycle Asset Accountability
- 10.1.11 Update, Store, Display Special Order Requests (SOR)
- 10.1.12 Analyze Theater Commercial Supply Availability
- 10.1.13 Forecast Future Consumption Requirements
- 10.1.14 Track Fuel Inventory
- 10.1.15 Manage Inventory
- 10.1.16 Manage Receivables
- 10.1.17 Process Subsequent Delivery
- 10.1.18 Predict Asset Re-supply Requirements
- 10.1.19 Transfer and Allocate Assets
- 10.1.20 Manage Catalog Item Availability
- 10.1.21 Track Order Status
- 10.1.22 Provide Routing and Scheduling
- 10.1.23 Process Warfighter Supply Needs Entry
- 10.1.24 Automatically Detect Supply Needs
- 10.1.25 Conduct External Resupply Request
- 10.1.28 Catalog and Identify System Parts
- 10.1.29 Manage and Track Fuel Distribution
- 13.2.2 Assess Training Engagement
- 14.1.12 Fuse Single-Source Intelligence Data
- 14.1.13 Fuse Multi-Source Intelligence Data
- 14.1.23 Perform Imagery Coordinate Mensuration
- 14.1.24 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)

**BCS-F**

- 1.2.1 Search with Active Sensor
- 1.5.2 Receive Navigation Signals
- 1.5.3 Recognize Navigation Signals
- 1.5.4 Search Navigation Signals
- 1.5.5 Process Navigation Signals
- 1.2.5 Search with Passive Sensor
- 1.5.6 Correlate Navigational Data
- 1.5.8 Integrate GPS Port Data
- 1.5.9 Distribute Precision Navigation and Time Data
- 2.1 Perform Tracking - Group
- 2 MANAGE TRACKING and TRACKS - Level 1
- 2.1.1 Form Tracks
- 2.2.1 Determine Combat Identification
- 2.1.3 Manage Air Tracks

## UNCLASSIFIED FOUO

- 2.2.3 Determine Identification Based on Reference Data
- 2.2.7 Declare Identification Level of Confidence
- 2.1.8 Fuse Track Measurements
- 2.1.9 Correlate Tracks
- 2.2.10 Determine Discrete ID
- 2.1.10 Associate Tracks
- 2.2.11 Identify Fused Data Track
- 2.1.11 Filter Track Report
- 2.1.12 Coordinate Remote Track Reporting
- 2.2.12 Determine Identification Based on Associations
- 2.1.13 Register Data
- 2.2.13 Identify Civilian Air Tracks
- 2.1.14 Align Tracks Geodetically
- 2.1.15 Align Tracks Relatively
- 2.1.16 Align Tracks through Inter-link Reference Frames
- 2.1.17 Assign Track Number
- 2.2.17 Resolve Identification Conflicts
- 2.1.18 Generate Global Track Number
- 2.1.19 Align Multi-Sensor Data
- 2.1.20 Associate Multi-Sensor Data
- 2.1.21 Update Existing Track
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.23 Assign Track Category
- 2.1.24 Calculate Geolocation
- 2.1.25 Estimate Track Count
- 2.1.26 Maintain Track History
- 2.1.27 Extract Feature
- 2.1.28 Monitor Track Safe Return or Passage
- 2.1.30 Evaluate Track Data Fusion
- 3.4 CSA Data Management - Group
  - 3.3.1 Provide Real-Time Threat Warning
  - 3.4.1 Display Automatic Target Recognition
- 3.2.1 Generate Common Operational Picture
- 3.2.2 Generate Common Tactical Picture
- 3.5.2 Update Resource Information
- 3.2.3 Generate Battle Damage Scene
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.2.4 Update COP Display
- 3.3.5 Generate Alert

## UNCLASSIFIED FOUO

- 3.2.6 Generate Target Coordinates
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.5.9 Monitor Force Status
- 3.5.12 Retrieve and Maintain Rules of Engagement (ROE)
- 3.4.13 Manage Airspace Control Measures
- 3.4.14 Manage Target Materials Information
- 3.5.16 Identify and Catalog Joint Assets and Activities
- 3.4.19 Share Information
- 3.2.32 Mensurate Object Coordinates
- 4.7.2 Manage Target List
- 4.7.3 Review Restricted Target List
- 4.7.4 Update High Value Target (HVT) List
- 4.7.5 Select & Prioritize Target
- 4.7.6 Predict Target Future Movements
- 4.7.12 Recommend Target for Nomination
- 4.6.17 Specify Required Effects
- 4.6.20 Select Best Attack Asset
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.2.12 Define Attack Guidance
- 6.2.17 Process Air Support Request
- 6.1.25 Manage Weapon Hand-Over
- 7.3 Data Link Services - Group
- 7 COMMUNICATIONS - Level 1
- 7.1 Provide Ability to Communicate - Group
- 7.3.1 Control Data Link
- 7.2.5 Receive Mission Update
- 7.3.5 Translate and Forward Data
- 7.3.6 Operate In Receive-Only Mode
- 7.3.7 Control Data Link Router
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.3.9 Filter Translation or Forwarding
- 7.3.11 Forward Ground-based Link (GBDL)
- 7.2.12 Communicate Status
- 7.3.12 Forward Link Data
- 7.1.14 Respond or Reply to Request for Information
- 7.2.15 Communicate with Weapon During Flyout
- 7.2.17 Communicate Mission Information
- 7.1.19 Select Message

## UNCLASSIFIED FOUO

- 7.2.24 Forward Message
- 7.2.30 Transmit Track Data
- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
- 7.1.34 Communicate Beyond Line of sight-Wideband MILSAT
- 7.2.34 Relay Communications
- 7.1.37 Communications Net Message Translation
- 7.1.41 Provide Line-of-Sight Communications
- 7.1.54 Provide Beyond Line-of-Sight Communications
- 7.1.72 Operate Within Selected Frequency Range
- 7.1.73 Perform Voice Multiplexing or Demultiplexing
- 7.1.84 Modulate Digital Data
- 7.1.87 Communicate via Radio Frequency (RF) Communications
- 7.1.88 Communicate Signals via Line Communications
- 7.1.90 Select Optimum Transmission Path
- 7.1.93 Communicate Data across Multiple Classification Domains
- 7.1.94 Provide Transport Services
- 7.1.96 Transmit or Receive Information
- 7.1.97 Transmit in Variety of Waveforms
- 8.4.1 Create and Edit Messages
- 8.3.1 Establish Network
- 8.7.2 Manage General Information
- 8.10.3 Display Data
- 8.4.5 Manage Documents
- 8.2.6 Provide Entity Authentication Services
- 8.4.7 Spell and Grammar Check Documents
- 8.2.7 Decrypt Data
- 8.2.8 Encrypt Data
- 8.4.10 Generate Displays
- 8.2.10 Monitor Network Security
- 8.4.18 Produce PDF Documents
- 8.2.20 Authorize Data Access
- 8.2.21 Respond to Security Events
- 8.1.22 Provide Networked Services and Applications
- 8.2.27 Handle Multiple Security Levels
- 8.2.35 Manage Network Keys
- 8.2.36 Order Network Keys
- 8.1.69 Provide Web Applications
- 13.1.2 Perform Training Exercise

**C2BMC**

## UNCLASSIFIED FOUO

- 1.2.1 Search with Active Sensor
- 1.3.1 Detect Signals and Images
- 1.4.1 Fuse Sensor Data
- 1.1.1 Receive and Process Signals
- 1.3.2 Detect Indications and Warnings
- 1.1.2 Classify Signals
- 1.1.3 Process IFF Signals
- 1.4.3 Identify Current Platform and Sensor Tasking
- 1.1.4 Discriminate Objects
- 1.1.5 Estimate Multiple Objects
- 1.2.6 Search with Space Sensor
- 1.3.7 Sense Threat
- 1.3.8 Intercept and Register Signals
- 1.2.10 Locate Signal
- 1.3.12 Detect SIGINT Data
- 1.1.12 Estimate a Single Object
- 1.1.14 Receive MTI Data
- 1.3.17 Detect IFF Response

**C2PC**

- 1.3 Detection - Group
- 1.2 Perform Search - Group
- 1.4 Sensor Management - Group
- 1.3.3 Detect Natural Obstacles
- 1.3.7 Sense Threat
- 2 MANAGE TRACKING and TRACKS - Level 1
- 2.1 Perform Tracking - Group
- 2.2.4 Determine Track Activity and Status
- 2.1.6 Track Blue Forces
- 2.1.7 Qualify Track
- 2.1.9 Correlate Tracks
- 2.1.10 Associate Tracks
- 2.1.12 Coordinate Remote Track Reporting
- 2.1.13 Register Data
- 2.1.17 Assign Track Number
- 2.1.19 Align Multi-Sensor Data
- 2.2.19 Associate Blue Forces in Proximity to Target
- 2.1.20 Associate Multi-Sensor Data
- 2.1.21 Update Existing Track
- 2.1.23 Assign Track Category

## UNCLASSIFIED FOUO

- 2.1.24 Calculate Geolocation
- 2.1.25 Estimate Track Count
- 2.1.26 Maintain Track History
- 2.1.27 Extract Feature
- 2.1.29 Update Target, Intelligence, and System Profiles
- 3.2.1 Generate Common Operational Picture
- 3.2.2 Generate Common Tactical Picture
- 3.2.3 Generate Battle Damage Scene
- 3.3.4 Display Interference Alerts
- 3.2.4 Update COP Display
- 3.2.5 Identify Return to Force (RTF) Profiles
- 3.4.5 Maintain Shared Situational Awareness
- 3.2.7 Identify Weapons Free Zones
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.2.9 Configure, Edit, and Display No-Fly Zones
- 3.2.10 Configure, Edit, and Display Restricted Navigation Zones
- 3.4.10 Integrate Information on Potential Adversary COA
- 3.5.12 Retrieve and Maintain Rules of Engagement (ROE)
- 3.2.16 Provide OPLAN Visibility
- 3.2.27 Provide Geospatial Coordinates
- 4.7 Analyze Targets - Group
  - 4.1.1 Analyze Terrain
  - 4.7.1 Analyze Target Areas
  - 4.2.2 Perform Natural Environmental & Topographical Analysis
  - 4.3.3 Analyze Operational Situation
  - 4.3.4 Identify Weapon Danger Zones
  - 4.3.7 Evaluate Operational Environment
  - 4.7.8 Retain or Remove Target on or from Target List
  - 4.3.8 Evaluate Mission
  - 4.7.9 Determine Object Probable Location
  - 4.8.12 Assess Landing Alternatives and Surrounding Situational Awareness
  - 4.8.18 Assess Achievement of Planned Effects
  - 4.3.22 Assess Battle Damage
- 5 MISSION PLANNING - Level 1
  - 5.1 Create and Revise Plans - Group
    - 5.5.6 Generate & Validate CCIR (PIR, FFIR, EEFI)
      - 5.1.12 Create Attack Plans
      - 5.1.14 Create Maneuver Plans
      - 5.1.37 Update Commanders Guidance

## UNCLASSIFIED FOUO

- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.46 Develop CONOPS
- 5.1.47 Develop Initial Alternative Courses of Action
- 5.1.51 Conduct Force Planning
- 5.1.52 Create Tactical Plans/ Orders
- 5.1.56 Generate Enemy Order of Battle (EOB)
- 6 MISSION EXECUTION - Level 1
- 6.1.3 Request External Fire Support
- 6.1.5 Execute Tactical Fires and Maneuver Plan
- 6.3.10 Monitor Mission Engagement
- 6.1.14 Coordinate and Execute Selected COA
- 6.1.15 Prosecute Target
- 6.2.17 Process Air Support Request
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.2.5 Receive Mission Update
- 7.1.5 Transfer Data via Packet Switching
- 7.2.7 Receive Strategic Mission & Guidance
- 7.1.8 Transfer Data via a Virtual Circuit
- 7.1.10 Transfer Data via Circuit Switching
- 7.1.11 Transfer Information Over Multiple Channels Simultaneously
- 7.2.13 Communicate Mission Objectives & Support Needs
- 7.2.16 Communicate Meteorological and Oceanographic (METOC) Data
- 7.1.19 Select Message
- 7.1.56 Provide Shared Audio Visualization Capabilities
- 8 ENTERPRISE IT/NETWORK INFRASTRUCTURE - Level 1
- 8.2.1 Perform Network Information Assurance
- 8.3.1 Establish Network
- 8.2.2 Detect Security Events
- 8.12.3 Perform Collaboration
- 8.2.3 Regulate Information Dissemination
- 8.8.5 Assign Roles and Priviledges
- 8.7.5 Translate Data
- 8.4.5 Manage Documents
- 8.8.6 Maintain and Create User Profile
- 8.4.6 Support Web Browsing
- 8.7.6 Update Data
- 8.6.7 Determine System Availability
- 8.7.7 Maintain Data Integrity
- 8.7.10 Filter Information

## UNCLASSIFIED FOUO

- 8.1.13 Maintain Network and Communication Status
- 8.7.16 Migrate Data
- 8.2.17 Maintain Network Classification
- 8.1.17 Perform Data Services
- 8.1.18 Remotely Control System Operations
- 8.2.19 Validate User Credentials
- 8.7.20 Characterize Objects
- 8.2.20 Authorize Data Access
- 8.7.21 Correlate Data
- 8.2.21 Respond to Security Events
- 8.7.22 Disseminate Data
- 8.7.23 Disseminate Time Data
- 8.1.23 Synchronize Network Timing
- 8.7.25 Register Data
- 8.7.27 Retrieve Data
- 8.7.29 Manage Data Storage
- 8.7.30 Populate Data Repositories
- 8.7.31 Allocate Storage Resources
- 8.7.32 Manage Metadata
- 8.7.33 Transfer Application Data
- 8.7.34 Verify Data
- 8.7.35 Regulate Data Flow
- 8.7.47 Synchronize Data
- 8.7.92 Provide Relevant Information
- 10 LOGISTICS - Level 1

**CAC2S**

- 1.1 Signal Receipt & Processing - Group
- 1.4 Sensor Management - Group
  - 1.4.1 Fuse Sensor Data
    - 1.2.1 Search with Active Sensor
      - 1.1.1 Receive and Process Signals
      - 1.1.2 Classify Signals
    - 1.2.3 Search with Air Search Sensor
      - 1.1.3 Process IFF Signals
      - 1.1.4 Discriminate Objects
  - 1.4.4 Control Search Parameters
  - 1.4.5 Manage Sensors
  - 1.5.5 Process Navigation Signals
  - 1.4.6 Coordinate Sensor Employment with Operational Plans and Employment

## UNCLASSIFIED FOUO

- 1.4.8 Protect Sensors
- 1.4.9 Generate Theater and External ISR Sensor Tasking
- 1.5.11 Translate Time Data
- 1.1.12 Estimate a Single Object
- 1.1.14 Receive MTI Data
- 1.4.14 Control Sensor Operating Parameters
- 1.1.20 Perform Signal Parametric Analysis
- 2.1 Perform Tracking - Group
- 2 MANAGE TRACKING and TRACKS - Level 1
  - 2.1.1 Form Tracks
  - 2.2.1 Determine Combat Identification
  - 2.2.2 Determine Combat Identity
  - 2.1.5 Exploit Moving Target Indicator Information
  - 2.1.6 Track Blue Forces
  - 2.1.7 Qualify Track
  - 2.1.9 Correlate Tracks
  - 2.1.10 Associate Tracks
  - 2.1.11 Filter Track Report
  - 2.1.12 Coordinate Remote Track Reporting
  - 2.1.14 Align Tracks Geodetically
  - 2.1.15 Align Tracks Relatively
  - 2.1.16 Align Tracks through Inter-link Reference Frames
  - 2.1.17 Assign Track Number
  - 2.1.18 Generate Global Track Number
  - 2.1.19 Align Multi-Sensor Data
  - 2.1.20 Associate Multi-Sensor Data
  - 2.1.21 Update Existing Track
  - 2.1.22 Assign Correlation and Association Track Attributes
  - 2.1.23 Assign Track Category
  - 2.1.24 Calculate Geolocation
  - 2.1.25 Estimate Track Count
- 3.2.1 Generate Common Operational Picture
- 3.2.2 Generate Common Tactical Picture
- 3.2.3 Generate Battle Damage Scene
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.2.7 Identify Weapons Free Zones
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces

## UNCLASSIFIED FOUO

- 3.2.9 Configure, Edit, and Display No-Fly Zones
- 3.4.18 Provide Performance Data for Presentation
- 3.2.27 Provide Geospatial Coordinates
- 4.6.33 Project Ground Track Prediction
- 4.6.34 Refine Aim Point Location
- 4.6.38 Predict Oceanographic Dispersion
- 5 MISSION PLANNING - Level 1
  - 5.1.1 Generate New or Revised Plan
  - 5.4.10 Generate Air Tasking Order Message
  - 5.1.14 Create Maneuver Plans
  - 5.1.26 Create Air Defense Plans
- 6.3.9 Conduct Manual Engagement
- 6.3.10 Monitor Mission Engagement
- 6.3.12 Cancel Engagement
- 6.3.13 Identify Target for Weapon Employment
- 6.2.14 Provide Optimized Attack Solutions
- 6.3.14 Locate Target
- 6.2.17 Process Air Support Request
- 6.3.18 Execute Electronic Protection
- 6.3.21 Conduct Semi-Automatic Engagement
- 6.1.22 Adjudicate Platform Initialization or Shutdown
- 6.1.23 Control Emission Control (EMCON) Operations
- 6.1.25 Manage Weapon Hand-Over
- 6.1.28 Employ Electronic Counter-Counter Measures
- 6.1.29 Designate Track
- 7.2 Provide Information Exchange - Group
- 7 COMMUNICATIONS - Level 1
  - 7.1 Provide Ability to Communicate - Group
    - 7.3.1 Control Data Link
      - 7.1.1 Establish Communication Networks
      - 7.2.2 Transmit Weapons Recommendations
      - 7.1.2 Provide Secure Communications
      - 7.1.3 Employ Conference Communications Services
      - 7.2.3 Transmit Engagement Orders
      - 7.2.4 Issue Warnings, Alerts, and Planning Orders
      - 7.1.4 Send Messages on Timed Delivery Basis
      - 7.1.5 Transfer Data via Packet Switching
      - 7.2.5 Receive Mission Update
      - 7.3.5 Translate and Forward Data

## UNCLASSIFIED FOUO

- 7.1.7 Transfer Data
- 7.2.7 Receive Strategic Mission & Guidance
- 7.3.8 Exchange Link-22 and TADIL A/B Data
- 7.1.8 Transfer Data via a Virtual Circuit
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.3.9 Filter Translation or Forwarding
- 7.1.9 Transfer Data with Datagram Approach
- 7.2.10 Transmit Configuration Orders
- 7.3.10 Forward ATDL-1
- 7.1.10 Transfer Data via Circuit Switching
- 7.3.11 Forward Ground-based Link (GBDL)
- 7.1.11 Transfer Information Over Multiple Channels Simultaneously
- 7.3.12 Forward Link Data
- 7.3.13 Forward NATO Link-1
- 7.3.14 Forward Point-to-Point Data Link (PPDL)
- 7.3.15 Incorporate Unit Linked Data
- 7.3.16 Interface with Data Forwarding Controls
- 7.2.16 Communicate Meteorological and Oceanographic (METOC) Data
- 7.3.17 Forward Data Over-the-Horizon
- 7.1.19 Select Message
- 7.2.19 Maintain Routing Information
- 7.1.20 Prioritize Message
- 7.1.21 Provide Message Status
- 7.1.22 Manage Message Boards
- 7.1.23 Notify User of Message Arrival
- 7.2.23 Deliver Mission-Type Orders to Subordinate Echelons
- 7.1.24 Manage E-Mail
- 7.2.24 Forward Message
- 7.2.25 Exchange Messages Asynchronously
- 7.2.27 Exchange Messages Synchronously
- 7.2.30 Transmit Track Data
- 7.1.41 Provide Line-of-Sight Communications
- 7.1.44 Conduct Video Conferencing
- 7.1.46 Dynamically Switch or Route Unicast (point-to-point), Multicast, and Broadcast T
- 7.1.52 Provide International Operation Services
- 7.1.66 Demodulate an Analog Signal
- 7.1.69 Multiplex Data for Transmission
- 7.1.72 Operate Within Selected Frequency Range

## UNCLASSIFIED FOUO

- 7.1.80 Dynamically Transfer Data Based on Precedence
- 7.1.87 Communicate via Radio Frequency (RF) Communications
- 7.1.88 Communicate Signals via Line Communications
- 7.1.95 Disseminate Sensor Products
- 7.1.96 Transmit or Receive Information
- 8.10.1 Integrate Human Machine Interface
- 8.2.1 Perform Network Information Assurance
- 8.10.3 Display Data
- 8.12.3 Perform Collaboration
- 8.10.5 Provide Feedback on User Input and Actions
- 8.7.5 Translate Data
- 8.3.5 Establish Circuit
- 8.4.6 Support Web Browsing
- 8.1.6 Support Communication
- 8.7.6 Update Data
- 8.7.7 Maintain Data Integrity
- 8.2.7 Decrypt Data
- 8.2.8 Encrypt Data
- 8.7.8 Query Data
- 8.7.9 Sort Data
- 8.2.9 Maintain Secure Data Transmission
- 8.4.9 Duplicate Optical Media
- 8.7.10 Filter Information
- 8.8.11 Manage COI Subscriptions
- 8.10.11 Provide Data Entry Interface
- 8.1.11 Provide Message Services
- 8.4.11 Manage Discovery Services
- 8.10.12 Provide Light Discipline for User
- 8.1.12 Provide Negotiation services
- 8.7.13 Compress Data
- 8.2.13 Implement NSA or NIST Public Key Cryptography
- 8.10.14 Identify the Need for Human-in-the-Loop Response
- 8.7.14 Delete Data
- 8.8.14 Register in Community of Interest (COI) Directory
- 8.2.14 Provide Tamper Detection Capability
- 8.7.16 Migrate Data
- 8.4.16 Produce and Manage Media
- 8.7.18 Archive Data
- 8.4.18 Produce PDF Documents

## UNCLASSIFIED FOUO

- 8.4.19 Provide and Manage Graphics
- 8.7.20 Characterize Objects
- 8.7.21 Correlate Data
- 8.7.22 Disseminate Data
- 8.7.23 Disseminate Time Data
- 8.7.24 Manage Information Delivery
- 8.7.25 Register Data
- 8.7.26 Replicate Data
- 8.2.26 Configure Communications and Security Devices
- 8.7.27 Retrieve Data
- 8.7.28 Provide Database Utilities
- 8.7.30 Populate Data Repositories
- 8.7.33 Transfer Application Data
- 8.7.37 Ensure Data Asset Visibility
- 8.7.42 Request Data
- 8.2.44 Retain Cryptography after Power Loss
- 8.7.60 Manage Enterprise Storage Resources
- 8.7.63 Search within Context
- 8.7.91 Acquire Data
- 9.3.4 Provide Voltage Surge Protection
- 9.2.6 Isolate Equipment Fault
- 9.1.18 Detect Equipment Faults
- 9.1.23 Perform Diagnostic Testing

**CBRN IS**

- 1.4.5 Manage Sensors
- 1.3.9 Detect Toxic Industrial Chemicals (TIC)
- 1.4.10 Generate Sensor Coverage
- 1.3.10 Detect CBRN and Carrier
- 1.3.11 Detect Toxic Industrial Materials (TIM)
- 1.3.13 Detect CRBNE
- 1.4.13 Generate Sensor Tasking
- 1.4.14 Control Sensor Operating Parameters
- 1.4.19 Direct and Monitor Sensor Employment
- 1.4.20 Determine Platform and Sensor Status
- 3.2.4 Update COP Display
- 3.3.5 Generate Alert
- 3.3.9 Warn of Weapons of Mass Destruction (WMD)
- 4.8.6 Analyze COAs
- 4.6.6 Analyze Blue Force Vulnerability

## UNCLASSIFIED FOUO

- 4.3.16 Analyze Effects
- 4.8.18 Assess Achievement of Planned Effects
- 4.3.20 Analyze Effects (value)
- 4.3.21 Analyze Effects (value)
- 4.6.23 Analyze Vulnerability
- 4.6.28 Generate CBRN Avoidance Area Prediction
- 4.6.29 Generate Environmental Prediction
- 4.6.37 Predict Airborne Dispersion
- 4.6.38 Predict Oceanographic Dispersion
- 5.1.10 Generate Input to Missions Plans
- 5.1.11 Create Sensor Plans
- 5.1.46 Develop CONOPS
- 5.1.47 Develop Initial Alternative Courses of Action
- 5.1.55 Create CBR Defense Plans
- 5.1.61 Plan COA: Zone, Area, Route
- 7.1.7 Transfer Data
- 7.1.12 Transfer File
- 7.1.14 Respond or Reply to Request for Information
- 7.1.19 Select Message
- 7.1.96 Transmit or Receive Information
- 8.11.1 Fuse Data
- 8.10.1 Integrate Human Machine Interface
- 8.4.1 Create and Edit Messages
- 8.10.3 Display Data
- 8.7.4 Analyze Data
- 8.7.5 Translate Data
- 8.9.6 Interact with Enterprise Information Environment
- 8.7.6 Update Data
- 8.7.8 Query Data
- 8.7.9 Sort Data
- 8.9.9 Publish Request for Services
- 8.8.10 Request Service Subscription or Change to Service Subscription
- 8.7.10 Filter Information
- 8.8.13 Control System States and Modes
- 8.4.13 Perform Calculation
- 8.7.14 Delete Data
- 8.8.14 Register in Community of Interest (COI) Directory
- 8.7.15 Transform Data
- 8.7.18 Archive Data

## UNCLASSIFIED FOUO

- 8.7.19 Categorize Data
- 8.7.21 Correlate Data
- 8.7.22 Disseminate Data
- 8.7.27 Retrieve Data
- 8.7.34 Verify Data
- 8.7.36 Post or Publish Data
- 8.7.37 Ensure Data Asset Visibility
- 8.4.40 Generate Reports
- 8.7.40 Format Data
- 8.1.64 Provide Online Help Services
- 8.7.66 Post Metadata to a Discovery Catalog
- 8.7.67 Post Metadata to a Federated Directory
- 8.7.68 Post Metadata to Metadata Registries
- 8.1.69 Provide Web Applications
- 8.7.72 Subscribe to Data
- 8.7.74 Update Subscription Database
- 8.7.81 Store Data
- 8.7.82 Retain Data
- 8.7.86 Analyze and Organize Data
- 11.3.4 Monitor Unit Medical Status for CBRNE Effect
- 13.2.14 Conduct Individual Computer Generated Instruction

**CCIC2S**

- 1.4.10 Generate Sensor Coverage
- 1.4.11 Maintain Sensor Configurations
- 2 MANAGE TRACKING and TRACKS - Level 1
- 2.1.3 Manage Air Tracks
- 2.2.4 Determine Track Activity and Status
- 2.2.8 Determine Composite ID
- 2.1.9 Correlate Tracks
- 2.2.9 Determine Comprehensive Track ID
- 2.2.10 Determine Discrete ID
- 2.2.13 Identify Civilian Air Tracks
- 2.2.16 Determine Organization Identification
- 2.1.19 Align Multi-Sensor Data
- 2.1.20 Associate Multi-Sensor Data
- 2.1.26 Maintain Track History
- 3 GENERATE COMMON SITUATIONAL AWARENESS - Level 1
- 3.3 Provide Indications, Warnings, and Alerts - Group
- 3.3.1 Provide Real-Time Threat Warning

## UNCLASSIFIED FOUO

- 3.2.1 Generate Common Operational Picture
- 3.5.1 Monitor Embedded Mission Readiness
- 3.3.2 Identify Occurrence of ISR Event
- 3.2.4 Update COP Display
- 3.3.5 Generate Alert
- 3.4.5 Maintain Shared Situational Awareness
- 3.5.6 Access Joint Asset Information
- 3.3.9 Warn of Weapons of Mass Destruction (WMD)
- 3.5.9 Monitor Force Status
- 3.4.9 Aggregate and Present Blue Force Tracks
- 3.5.12 Retrieve and Maintain Rules of Engagement (ROE)
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.5.14 Confirm Asset or Sensor Availability
- 3.4.16 Record Events for Post Operations Analysis
- 3.2.18 Display Geospatial Information Overlay
- 3.4.19 Share Information
- 4.8.11 Assess Threats
- 4.8.17 Correlate Events
- 4.6.18 Predict Sensor Performance and Calculate Sensor Coverage
- 4.8.22 Assess Space Battle Impact
- 5.3.5 Provide Exercise Functions
- 5.3.8 Generate Wargaming Scenarios
- 6.1.19 Execute Sensor Collection
- 6.1.20 Position System
- 6.2.35 Evaluate Weapons Intercept Volume
- 6.2.45 Compute Time-To-Target or Time-On-Target
- 7 COMMUNICATIONS - Level 1
- 7.1 Provide Ability to Communicate - Group
- 7.1.1 Establish Communication Networks
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.1.5 Transfer Data via Packet Switching
- 7.3.5 Translate and Forward Data
- 7.2.5 Receive Mission Update
- 7.1.7 Transfer Data
- 7.1.9 Transfer Data with Datagram Approach
- 7.1.10 Transfer Data via Circuit Switching
- 7.1.12 Transfer File
- 7.1.14 Respond or Reply to Request for Information
- 7.2.19 Maintain Routing Information

## UNCLASSIFIED FOUO

- 7.1.19 Select Message
- 7.1.20 Prioritize Message
- 7.2.21 Transmit Sense Data
- 7.2.22 Control Use of Information Transfer System
- 7.2.24 Forward Message
- 7.2.25 Exchange Messages Asynchronously
- 7.2.30 Transmit Track Data
- 7.2.34 Relay Communications
- 7.1.46 Dynamically Switch or Route Unicast (point-to-point), Multicast, and Broadcast T
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.77 Coordinate Message Delivery
- 7.1.80 Dynamically Transfer Data Based on Precedence
- 7.1.93 Communicate Data across Multiple Classification Domains
- 8.11 Fuse Network Data - Group
- 8.7 Manage Data - Group
- 8.5 Operate/Maintain Network - Group
- 8.2 Provide Information Assurance - Group
- 8 ENTERPRISE IT/NETWORK INFRASTRUCTURE - Level 1
- 8.1 Network Services - Group
- 8.4 IT Computing Services - Group
- 8.7.1 Manage Data Infrastructure
- 8.11.1 Fuse Data
- 8.5.1 Operate Network
- 8.8.1 Customize User Management
- 8.2.1 Perform Network Information Assurance
- 8.4.1 Create and Edit Messages
- 8.1.1 Provide Network Services
- 8.7.2 Manage General Information
- 8.5.2 Transmit Data on Established Path
- 8.8.2 Authorize User Roles and Services
- 8.2.2 Detect Security Events
- 8.10.3 Display Data
- 8.8.3 Manage Accounts
- 8.5.3 Identify Transmission Paths
- 8.2.3 Regulate Information Dissemination
- 8.1.3 Provide Remote Access
- 8.3.3 Establish and Maintain Connectivity
- 8.4.4 Perform Desktop Publishing
- 8.8.5 Assign Roles and Priviledges

## UNCLASSIFIED FOUO

- 8.1.5 Share Information
- 8.3.5 Establish Circuit
- 8.5.6 Coordinate Network Resource Availability
- 8.9.6 Interact with Enterprise Information Environment
- 8.8.6 Maintain and Create User Profile
- 8.2.6 Provide Entity Authentication Services
- 8.1.6 Support Communication
- 8.7.6 Update Data
- 8.5.7 Control Normal Operations
- 8.6.7 Determine System Availability
- 8.2.7 Decrypt Data
- 8.7.7 Maintain Data Integrity
- 8.5.8 Maintain Required Quality of Service
- 8.2.8 Encrypt Data
- 8.2.9 Maintain Secure Data Transmission
- 8.1.9 Provide Network Applications Services
- 8.3.9 Load Applications
- 8.6.10 Maintain NetOps Configuration Monitoring
- 8.10.10 Provide Graphical User Interface Services
- 8.1.10 Receive Request for Information
- 8.2.10 Monitor Network Security
- 8.4.10 Generate Displays
- 8.10.11 Provide Data Entry Interface
- 8.2.11 Provide Identity Management Services
- 8.1.11 Provide Message Services
- 8.8.12 Log Operator Activity
- 8.8.13 Control System States and Modes
- 8.4.13 Perform Calculation
- 8.1.13 Maintain Network and Communication Status
- 8.7.14 Delete Data
- 8.2.14 Provide Tamper Detection Capability
- 8.4.14 Process Information Distributively
- 8.1.14 Provide Network Access
- 8.6.15 Restore Capabilities
- 8.1.15 Provided Shared Production Capabilities
- 8.10.16 Present User Defined Situational Awareness Information
- 8.1.16 Manage Network Performance
- 8.4.16 Produce and Manage Media
- 8.1.17 Perform Data Services

## UNCLASSIFIED FOUO

- 8.2.17 Maintain Network Classification
- 8.7.18 Archive Data
- 8.1.18 Remotely Control System Operations
- 8.1.19 Conduct Information Management
- 8.4.19 Provide and Manage Graphics
- 8.2.19 Validate User Credentials
- 8.2.20 Authorize Data Access
- 8.1.20 Manage Network Functions
- 8.7.21 Correlate Data
- 8.1.21 Manage Systems
- 8.2.21 Respond to Security Events
- 8.7.22 Disseminate Data
- 8.6.22 Allocate Resources
- 8.1.22 Provide Networked Services and Applications
- 8.2.22 Access Information at Multiple Levels of Security
- 8.4.22 View Documents
- 8.7.23 Disseminate Time Data
- 8.1.23 Synchronize Network Timing
- 8.7.24 Manage Information Delivery
- 8.1.24 Assess Network
- 8.4.24 Execute Operating System Functions
- 8.2.24 Authenticate Data
- 8.7.25 Register Data
- 8.4.25 Generate Data Analysis Menu Screens
- 8.2.25 Authorize Information Import/Export
- 8.7.26 Replicate Data
- 8.4.26 Perform Batch Processing Services
- 8.2.26 Configure Communications and Security Devices
- 8.1.26 Perform System and Network Analysis
- 8.7.27 Retrieve Data
- 8.1.27 Terminate Network Connection
- 8.7.28 Provide Database Utilities
- 8.1.28 Find Services
- 8.4.28 Provide Dialogue Support Services
- 8.7.29 Manage Data Storage
- 8.5.29 Perform Anomaly Response
- 8.4.29 Provide Display Object Services
- 8.7.30 Populate Data Repositories
- 8.5.30 Provide Network Management Hardware/Software Mechanisms

## UNCLASSIFIED FOUO

- 8.2.30 Identify Intrusion Detection System (IDS) Events
- 8.2.31 Manage Threats to Network
- 8.4.31 Provide Graphical Client – Server Services
- 8.2.32 Mitigate Opportunity to Attack
- 8.5.32 Reroute Messages
- 8.4.33 Provide Printing Services
- 8.7.34 Verify Data
- 8.4.35 Window Management Services
- 8.4.37 Control Operation of Computer
- 8.2.37 Provide Network Force Protection and Security
- 8.7.39 Aggregate Data
- 8.2.39 Gain Access to Sensing Location or Information
- 8.1.39 Establish Redundancy in the Network
- 8.7.40 Format Data
- 8.2.40 Implement Firewall Protection
- 8.2.41 Provide Audit Services
- 8.1.41 Manage Services
- 8.2.42 Provide User Single Sign-On
- 8.7.44 Mediate Data
- 8.1.44 Protect Against Effects of Electromagnetic Pulse (EMP) and Directed Energy Threa
- 8.1.45 Provide Application Development Services
- 8.1.46 Provide Asymmetric Network Capability
- 8.7.48 Monitor Data
- 8.1.48 Provide Common Services
- 8.1.49 Provide Cross-Functional Community of Interest Support Services
- 8.1.51 Provide Machine-to-Machine Data Access Mechanisms
- 8.7.52 Report Performance Results
- 8.7.56 Maintain Address Book
- 8.1.57 Authorize Network Resource Request
- 8.1.58 Manage Trouble Tickets
- 8.7.60 Manage Enterprise Storage Resources
- 8.1.60 Provide Distributed Domain Name Services
- 8.1.63 Provide Online Disk Management Services
- 8.1.64 Provide Online Help Services
- 8.1.65 Provide Remote Print Spooling and Output Distribution Services
- 8.1.67 Manage Message Traffic
- 8.1.68 Provide Workgroup or Groupware Capability
- 8.7.70 Re-Map Information
- 8.7.71 Store Semantic Information on Data

## UNCLASSIFIED FOUO

- 8.7.72 Subscribe to Data
- 8.1.72 Provide Configuration Management Services
- 8.7.79 Recover Data
- 8.7.81 Store Data
- 8.7.82 Retain Data
- 8.7.83 Manage and Manipulate File and File Systems
- 8.7.84 Perform Multilevel Security Data Filtering
- 8.7.86 Analyze and Organize Data
- 8.7.91 Acquire Data
- 8.7.92 Provide Relevant Information
- 8.7.94 Store Applications
- 8.7.97 Report Query Results
- 8.7.98 Perform Data Check
- 9 SYSTEM TEST, MAINTENANCE, AND PROTECTION - Level 1
- 9.2 System Test - Group
- 9.1 System Maintenance - Group
- 9.2.1 Perform Built-In Test (BIT)
- 9.1.1 Estimate Equipment Reliability
- 9.2.3 Perform Automated System Diagnostics and Reconfiguration
- 9.3.3 Protect Against Effect of Electromagnetic Pulse (EMP) and Directed Energy Threat
- 9.3.4 Provide Voltage Surge Protection
- 9.2.4 Perform Network Fault Isolation and Reconfiguration
- 9.2.5 Monitor Faults
- 9.1.16 Control Graceful Degradation
- 9.1.19 Provide On-Line Fault Isolation
- 9.1.21 Assess Equipment Faults
- 9.1.22 Predict Equipment Faults
- 9.1.23 Perform Diagnostic Testing
- 13.1 Operational and Exercise Training - Group
- 13 TRAINING- Level 1
- 13.2.1 Tag Training Tracks
- 13.1.2 Perform Training Exercise
- 13.2.4 Manually Alter Training Events
- 13.2.5 Perform Embedded Training
- 13.2.6 Commence Embedded Training
- 13.2.7 Terminate Embedded Training
- 13.2.8 Pause Embedded Training
- 13.2.9 Return to Training
- 13.2.10 Perform System Training Stimulation

## UNCLASSIFIED FOUO

- 13.2.11 Perform System Training Simulation
- 13.2.12 Perform Training Event Playback and Analysis
- 13.2.15 Conduct Training Control

**CIMS**

- 1.3.2 Detect Indications and Warnings
- 1.4.31 Process Intelligence Surveillance and Reconnaissance (ISR) Support Requests
- 3.2.1 Generate Common Operational Picture
- 3.2.2 Generate Common Tactical Picture
- 3.3.2 Identify Occurrence of ISR Event
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.5.5 Report Unit and Platform Status
- 3.5.9 Monitor Force Status
- 3.3.10 Generate Indication and Warning (I and W) Reports
- 3.4.10 Integrate Information on Potential Adversary COA
- 3.4.11 Translate and Distribute Commanders Intent
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.4.16 Record Events for Post Operations Analysis
- 3.4.19 Share Information
- 3.2.31 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.8.1 Assess Mission Effectiveness
- 4.3.1 Monitor Operational Situation
- 4.2.1 Assess Environment
- 4.5.1 Measure Mission Performance
- 4.5.2 Evaluate Intelligence
- 4.5.3 Estimate Extent of Collateral Damage
- 4.3.3 Analyze Operational Situation
- 4.3.8 Evaluate Mission
- 4.8.11 Assess Threats
- 4.8.25 Exploit Intelligence
- 4.8.26 Assess from Multiple Perspectives
- 5.1.1 Generate New or Revised Plan
- 5.1.17 Create Collection Plans
- 5.1.40 Record Priority Intelligence Requirements
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.46 Develop CONOPS
- 5.1.47 Develop Initial Alternative Courses of Action

## UNCLASSIFIED FOUO

- 6.3.10 Monitor Mission Engagement
- 6.1.27 Direct Maneuvers
- 7.1.1 Establish Communication Networks
- 7.1.2 Provide Secure Communications
- 7.1.5 Transfer Data via Packet Switching
- 7.2.5 Receive Mission Update
- 7.1.7 Transfer Data
- 7.2.7 Receive Strategic Mission & Guidance
- 7.1.11 Transfer Information Over Multiple Channels Simultaneously
- 7.2.11 Communicate Force Information
- 7.2.17 Communicate Mission Information
- 7.2.34 Relay Communications
- 7.1.56 Provide Shared Audio Visualization Capabilities
- 7.1.65 Ensure Non-Repudiation
- 7.1.88 Communicate Signals via Line Communications
- 7.1.93 Communicate Data across Multiple Classification Domains
- 7.1.96 Transmit or Receive Information
- 8.12.1 Manage Collaboration Activities
- 8.11.1 Fuse Data
- 8.12.2 Initiate Collaboration
- 8.7.2 Manage General Information
- 8.8.2 Authorize User Roles and Services
- 8.10.3 Display Data
- 8.8.3 Manage Accounts
- 8.12.3 Perform Collaboration
- 8.1.3 Provide Remote Access
- 8.12.4 Allocate and Manage Collaboration Communications
- 8.1.4 Route Data
- 8.3.4 Establish Wireless Battleforce Network
- 8.12.5 Terminate Collaboration
- 8.3.5 Establish Circuit
- 8.1.5 Share Information
- 8.12.6 Conduct Decision Process Collaboration
- 8.3.6 Establish Connectionless Network Services
- 8.1.6 Support Communication
- 8.7.6 Update Data
- 8.12.7 Manage Collaboration Resources
- 8.2.7 Decrypt Data
- 8.7.8 Query Data

## UNCLASSIFIED FOUO

- 8.3.8 Authenticate Wireless Network Associations
- 8.2.8 Encrypt Data
- 8.7.9 Sort Data
- 8.12.9 Provide Common Workspace
- 8.2.9 Maintain Secure Data Transmission
- 8.10.10 Provide Graphical User Interface Services
- 8.7.10 Filter Information
- 8.4.10 Generate Displays
- 8.10.11 Provide Data Entry Interface
- 8.10.16 Present User Defined Situational Awareness Information
- 8.7.16 Migrate Data
- 8.6.17 Share Available Bandwidth
- 8.7.18 Archive Data
- 8.2.19 Validate User Credentials
- 8.2.20 Authorize Data Access
- 8.7.22 Disseminate Data
- 8.1.22 Provide Networked Services and Applications
- 8.2.24 Authenticate Data
- 8.7.25 Register Data
- 8.2.25 Authorize Information Import/Export
- 8.7.26 Replicate Data
- 8.4.26 Perform Batch Processing Services
- 8.7.27 Retrieve Data
- 8.7.28 Provide Database Utilities
- 8.7.29 Manage Data Storage
- 8.4.31 Provide Graphical Client – Server Services
- 8.7.36 Post or Publish Data
- 8.2.38 Authenticate Remotely
- 8.1.39 Establish Redundancy in the Network
- 8.4.40 Generate Reports
- 8.7.47 Synchronize Data
- 8.1.51 Provide Machine-to-Machine Data Access Mechanisms
- 8.7.64 Integrate Data
- 8.1.69 Provide Web Applications
- 8.7.89 Provide Discovery Metadata for Situational Awareness
- 14.1.1 Collect and Process SIGINT
- 14.1.2 Collect and Process IMINT Data
- 14.1.4 Receive and Process HUMINT Data
- 14.1.6 Process Intelligence Data

## UNCLASSIFIED FOUO

- 14.1.11 Disseminate Intelligence Products
- 14.1.17 Evaluate Collection Results
- 14.1.26 Conduct Joint Intelligence Preparation of the Operational Environment

**CMMA**

- 1.4.1 Fuse Sensor Data
- 1.4.3 Identify Current Platform and Sensor Tasking
- 1.4.4 Control Search Parameters
- 1.4.5 Manage Sensors
- 1.4.6 Coordinate Sensor Employment with Operational Plans and Employment
- 1.4.7 Generate National ISR Sensor Tasking
- 1.4.9 Generate Theater and External ISR Sensor Tasking
- 1.4.10 Generate Sensor Coverage
- 1.4.11 Maintain Sensor Configurations
- 1.4.12 Characterize Sensors
- 1.4.13 Generate Sensor Tasking
- 1.4.14 Control Sensor Operating Parameters
- 1.1.14 Receive MTI Data
- 1.4.15 Process Source Requirements
- 1.4.16 Determine Availability of Joint Force ISR Capabilities
- 1.4.17 Determine Time to Sensor Availability
- 1.4.18 Identify Current Platform and Sensor Tasking
- 1.4.19 Direct and Monitor Sensor Employment
- 1.4.20 Determine Platform and Sensor Status
- 1.4.21 Assess Sensor Performance
- 1.4.22 Calculate Sensor Error or Uncertainty
- 1.4.24 Recommend UGS (Unattended Ground Sensor) Placement
- 1.4.25 Correlate JISR Resources
- 1.4.26 Manage JISR Resources
- 1.4.31 Process Intelligence Surveillance and Reconnaissance (ISR) Support Requests
- 1.4.33 Process Satellite Access Authorization Information
- 2.1.5 Exploit Moving Target Indicator Information
- 2.1.9 Correlate Tracks
- 3.2.1 Generate Common Operational Picture
- 3.3.2 Identify Occurrence of ISR Event
- 3.5.2 Update Resource Information
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.5.5 Report Unit and Platform Status

## UNCLASSIFIED FOUO

- 3.4.7 Aggregate Objects
- 3.4.12 Collect Performance Data
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.5.14 Confirm Asset or Sensor Availability
- 3.4.16 Record Events for Post Operations Analysis
- 3.2.17 Generate Unit and Platform Availability
- 3.2.18 Display Geospatial Information Overlay
- 3.4.18 Provide Performance Data for Presentation
- 3.4.19 Share Information
- 3.5.19 Display and Monitor Sensor Assets
- 3.2.20 Display Resource Movement
- 3.2.27 Provide Geospatial Coordinates
- 4.8 Perform Mission Assessment - Group
- 4.1 Analyze Natural Environmental Impacts - Group
- 4.8.1 Assess Mission Effectiveness
- 4.5.1 Measure Mission Performance
- 4.5.2 Evaluate Intelligence
- 4.8.6 Analyze COAs
- 4.3.8 Evaluate Mission
- 4.6.15 Determine Best Positioning for Access to the Adversary
- 4.6.18 Predict Sensor Performance and Calculate Sensor Coverage
- 4.8.25 Exploit Intelligence
- 4.6.36 Predict ISR Collection Requirements
- 5.1.1 Generate New or Revised Plan
- 5.4.1 Assign Coverage
- 5.3.4 Simulate COAs
- 5.4.6 Allocate Platform to Mission
- 5.1.10 Generate Input to Missions Plans
- 5.1.11 Create Sensor Plans
- 5.1.16 Develop Deconfliction Plan
- 5.1.17 Create Collection Plans
- 6.1.11 Execute Collection Activities
- 6.1.18 Generate Coverage Orders
- 6.1.19 Execute Sensor Collection
- 6.1.20 Position System
- 6.1.31 Process Sensor Collection Requests
- 6.1.32 Request External Sensor Tasking
- 7.1.3 Employ Conference Communications Services
- 7.1.5 Transfer Data via Packet Switching

## UNCLASSIFIED FOUO

- 7.1.6 Track Requests for Information
- 7.1.7 Transfer Data
- 7.1.12 Transfer File
- 7.1.14 Respond or Reply to Request for Information
- 7.2.21 Transmit Sense Data
- 7.1.22 Manage Message Boards
- 7.1.44 Conduct Video Conferencing
- 7.1.95 Disseminate Sensor Products
- 8.12 Enterprise Collaboration Services
  - 8.12.1 Manage Collaboration Activities
    - 8.12.2 Initiate Collaboration
    - 8.12.3 Perform Collaboration
    - 8.12.4 Allocate and Manage Collaboration Communications
    - 8.12.5 Terminate Collaboration
    - 8.12.6 Conduct Decision Process Collaboration
    - 8.12.7 Manage Collaboration Resources
    - 8.12.8 Determine Collaboration Resource Availability
    - 8.12.9 Provide Common Workspace
    - 8.12.10 Transcribe Collaboration
  - 8.1.10 Receive Request for Information
- 14.1.8 Rectify Image
- 14.1.17 Evaluate Collection Results

**COC**

- 7.1 Provide Ability to Communicate - Group
  - 7.1.3 Employ Conference Communications Services
  - 7.1.4 Send Messages on Timed Delivery Basis
  - 7.1.5 Transfer Data via Packet Switching
  - 7.1.7 Transfer Data
  - 7.1.8 Transfer Data via a Virtual Circuit
  - 7.1.9 Transfer Data with Datagram Approach
  - 7.1.10 Transfer Data via Circuit Switching
  - 7.1.11 Transfer Information Over Multiple Channels Simultaneously
  - 7.1.12 Transfer File
  - 7.1.13 Identify Communications Assets
  - 7.1.19 Select Message
  - 7.1.22 Manage Message Boards
  - 7.1.23 Notify User of Message Arrival
  - 7.2.24 Forward Message
  - 7.1.24 Manage E-Mail

## UNCLASSIFIED FOUO

- 7.2.25 Exchange Messages Asynchronously
- 7.2.27 Exchange Messages Synchronously
- 7.1.39 Control Communications
- 7.1.44 Conduct Video Conferencing
- 7.1.46 Dynamically Switch or Route Unicast (point-to-point), Multicast, and Broadcast T
- 7.1.47 Limit Scope and Impact of Multicast Traffic on Network
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.55 Manage Messaging Services
- 7.1.56 Provide Shared Audio Visualization Capabilities
- 7.1.57 Control Power Output for Transmitters
- 7.1.77 Coordinate Message Delivery
- 7.1.80 Dynamically Transfer Data Based on Precedence
- 7.1.96 Transmit or Receive Information
- 8.6 Network Configuration - Group
- 8.4 IT Computing Services - Group
- 8 ENTERPRISE IT/NETWORK INFRASTRUCTURE - Level 1
- 8.1 Network Services - Group
- 8.6.1 Configure Network
- 8.1.1 Provide Network Services
- 8.4.1 Create and Edit Messages
- 8.5.2 Transmit Data on Established Path
- 8.1.3 Provide Remote Access
- 8.1.4 Route Data
- 8.1.5 Share Information
- 8.4.5 Manage Documents
- 8.4.6 Support Web Browsing
- 8.5.8 Maintain Required Quality of Service
- 8.1.9 Provide Network Applications Services
- 8.1.11 Provide Message Services
- 8.1.12 Provide Negotiation services
- 8.5.14 Manage Power
- 8.6.17 Share Available Bandwidth
- 8.7.18 Archive Data
- 8.1.19 Conduct Information Management
- 8.1.20 Manage Network Functions
- 8.1.21 Manage Systems
- 8.7.22 Disseminate Data
- 8.4.22 View Documents
- 8.7.29 Manage Data Storage

## UNCLASSIFIED FOUO

- 8.4.30 Provide Fax Services
- 8.4.31 Provide Graphical Client – Server Services
- 8.4.33 Provide Printing Services
- 8.4.34 Support Multimedia Processing
- 8.4.36 Provide Office Automation Services
- 8.7.41 Provide Directory Services
- 8.1.53 Provide Over the Air Software Upgrades
- 8.1.55 Provide Subscription Services
- 9.3.4 Provide Voltage Surge Protection
- 9.2.7 Restore Network Power
- 9.1.16 Control Graceful Degradation

**CPOF**

- 1.1.1 Receive and Process Signals
- 1.1.2 Classify Signals
- 1.1.4 Discriminate Objects
- 1.3.6 Detect Unexploded Ordnance
- 1.3.7 Sense Threat
- 1.2.8 Search
- 1.3.12 Detect SIGINT Data
- 1.1.14 Receive MTI Data
- 1.1.16 Process RFID Tag
- 2.1.1 Form Tracks
- 2.1.4 Process Ground Moving Target Indicator (GMTI)
- 2.1.6 Track Blue Forces
- 2.1.10 Associate Tracks
- 2.1.14 Align Tracks Geodetically
- 2.1.23 Assign Track Category
- 2.1.24 Calculate Geolocation
- 2.1.25 Estimate Track Count
- 2.1.26 Maintain Track History
- 3.2.1 Generate Common Operational Picture
- 3.5.1 Monitor Embedded Mission Readiness
- 3.5.2 Update Resource Information
- 3.2.3 Generate Battle Damage Scene
- 3.5.3 Analyze Transportation Asset Visibility
- 3.2.4 Update COP Display
- 3.5.6 Access Joint Asset Information
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.5.9 Monitor Force Status

## UNCLASSIFIED FOUO

- 3.2.16 Provide OPLAN Visibility
- 3.4.16 Record Events for Post Operations Analysis
- 3.4.19 Share Information
- 3.2.26 Track Engagement Status
- 3.2.27 Provide Geospatial Coordinates
- 3.2.29 Display Formation Tracks
- 4.1.1 Analyze Terrain
- 4.7.1 Analyze Target Areas
- 4.5.2 Evaluate Intelligence
- 4.6.8 Determine Force Movement
- 4.8.8 Assess Force Readiness
- 4.8.10 Assess Warfighting Resources
- 4.3.15 Generate Multiple Image View Analysis
- 4.3.23 Assess Damage Reports
- 4.8.24 Evaluate Feedback
- 4.3.24 Assess Combat Performance
- 5.3.1 Conduct Mission Rehearsal
- 5.2.1 Retrieve Higher Level Guidance
- 5.3.2 Generate Enemy Scenarios
- 5.3.6 Model and Simulate Scenarios
- 5.3.8 Generate Wargaming Scenarios
- 6.3.8 Monitor Weapon Status
- 6.3.14 Locate Target
- 7.1.1 Establish Communication Networks
- 7.1.2 Provide Secure Communications
- 7.1.3 Employ Conference Communications Services
- 7.2.30 Transmit Track Data
- 7.1.44 Conduct Video Conferencing
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.54 Provide Beyond Line-of-Sight Communications
- 8.12.2 Initiate Collaboration
- 8.12.3 Perform Collaboration
- 8.1.5 Share Information
- 8.7.10 Filter Information
- 8.1.15 Provided Shared Production Capabilities
- 8.1.16 Manage Network Performance
- 8.7.22 Disseminate Data
- 8.4.40 Generate Reports
- 8.4.41 Manage Reports

## UNCLASSIFIED FOUO

8.4.42 Generate Computer Aided Designs (CAD)

8.4.43 Generate Preformatted Graphics

10.1.5 Track Inventory

10.1.14 Track Fuel Inventory

**CRC (MCS-TYQ-23)**

1.1 Signal Receipt & Processing - Group

1.3.1 Detect Signals and Images

1.4.1 Fuse Sensor Data

1.2.2 Search with Underwater Sensor

1.1.2 Classify Signals

1.4.3 Identify Current Platform and Sensor Tasking

1.1.4 Discriminate Objects

1.2.4 Search with Surface or Ground Search Sensor

1.4.5 Manage Sensors

1.1.6 Associate IFF Response

1.4.6 Coordinate Sensor Employment with Operational Plans and Employment

1.2.8 Search

1.2.9 Search Selected Countermeasures Signals

1.4.9 Generate Theater and External ISR Sensor Tasking

1.2.10 Locate Signal

1.1.13 Process Acoustic Sensor Data

1.1.15 Process Electro-Optical/Infrared (EO/IR) Data

2.1 Perform Tracking - Group

2.1.1 Form Tracks

2.1.2 Develop Association Hypothesis

2.1.4 Process Ground Moving Target Indicator (GMTI)

2.1.7 Qualify Track

2.1.8 Fuse Track Measurements

2.1.9 Correlate Tracks

2.1.10 Associate Tracks

2.2.11 Identify Fused Data Track

2.1.13 Register Data

2.1.14 Align Tracks Geodetically

2.2.16 Determine Organization Identification

2.1.18 Generate Global Track Number

2.1.24 Calculate Geolocation

2.1.25 Estimate Track Count

2.1.26 Maintain Track History

2.1.27 Extract Feature

## UNCLASSIFIED FOUO

- 2.1.29 Update Target, Intelligence, and System Profiles
- 2.1.30 Evaluate Track Data Fusion
- 3.3 Provide Indications, Warnings, and Alerts - Group
  - 3.2.1 Generate Common Operational Picture
    - 3.3.1 Provide Real-Time Threat Warning
    - 3.3.2 Identify Occurrence of ISR Event
    - 3.2.2 Generate Common Tactical Picture
  - 3.5.3 Analyze Transportation Asset Visibility
  - 3.2.3 Generate Battle Damage Scene
  - 3.2.5 Identify Return to Force (RTF) Profiles
  - 3.2.7 Identify Weapons Free Zones
  - 3.2.9 Configure, Edit, and Display No-Fly Zones
  - 3.4.10 Integrate Information on Potential Adversary COA
  - 3.2.10 Configure, Edit, and Display Restricted Navigation Zones
  - 3.2.12 Maintain and Display Force Disposition Displays
  - 3.5.13 Monitor Information Operations (IO)
  - 3.4.14 Manage Target Materials Information
  - 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
  - 3.2.16 Provide OPLAN Visibility
  - 3.2.33 Monitor In-Flight Reporting
  - 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.8 Perform Mission Assessment - Group
  - 4.7.7 Create High Value Target (HVT) List
  - 4.3.7 Evaluate Operational Environment
    - 4.7.11 Determine Target Offset and Location
    - 4.8.12 Assess Landing Alternatives and Surrounding Situational Awareness
  - 4.6.21 Calculate Probability of Engagement Effectiveness
  - 4.6.28 Generate CBRN Avoidance Area Prediction
  - 4.6.35 Predict Intercept
  - 4.6.36 Predict ISR Collection Requirements
- 5.4 Assign and Delegate Mission Requirement - Group
  - 5.4.1 Assign Coverage
    - 5.1.17 Create Collection Plans
    - 5.1.30 Plan and Evaluate Airspace Control Measures
    - 5.1.32 Format and Integrate In-Flight Weapon Plan
    - 5.1.50 Draft Warning Order
    - 5.1.63 Conduct Medical Planning
  - 6.3.2 Process Engagement Orders
  - 6.2.3 Develop Targets

## UNCLASSIFIED FOUO

- 6.2.5 Calculate Weapon Delivery
- 6.1.10 Order Deployment of Coordinated Strike Forces
- 6.3.11 Integrate Rules of Engagement (ROE)
- 6.2.12 Define Attack Guidance
- 6.3.15 Conduct Automatic Engagement
- 6.1.22 Adjudicate Platform Initialization or Shutdown
- 6.1.26 Generate Orders to Align System Parameters
- 6.2.36 Generate Engagement Decision Response
- 6.2.39 Select Air-to-Air
- 7.1.1 Establish Communication Networks
- 7.3.2 Manage Frequency Assignment Request
- 7.1.3 Employ Conference Communications Services
- 7.2.3 Transmit Engagement Orders
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.3.6 Operate In Receive-Only Mode
- 7.3.7 Control Data Link Router
- 7.3.8 Exchange Link-22 and TADIL A/B Data
- 7.2.10 Transmit Configuration Orders
- 7.3.11 Forward Ground-based Link (GBDL)
- 7.1.12 Transfer File
- 7.3.13 Forward NATO Link-1
- 7.3.14 Forward Point-to-Point Data Link (PPDL)
- 7.3.15 Incorporate Unit Linked Data
- 7.3.17 Forward Data Over-the-Horizon
- 7.2.18 Communicate Geodesy Data
- 7.2.22 Control Use of Information Transfer System
- 7.1.24 Manage E-Mail
- 7.2.31 Perform System-Independent Representation
- 7.2.35 Transmit Personnel Security Data
- 7.1.88 Communicate Signals via Line Communications
- 7.1.89 Dynamically Manage or Allocate Frequencies
- 7.1.90 Select Optimum Transmission Path
- 8 ENTERPRISE IT/NETWORK INFRASTRUCTURE - Level 1
- 8.1 Network Services - Group
- 8.3 Network Establishment - Group
- 8.6.8 Notify Node of Pending Termination
- 8.2.8 Encrypt Data
- 8.2.9 Maintain Secure Data Transmission
- 8.2.10 Monitor Network Security

## UNCLASSIFIED FOUO

- 8.7.11 Formulate Discovery Search
- 8.4.11 Manage Discovery Services
- 8.7.15 Transform Data
- 8.1.19 Conduct Information Management
- 8.1.20 Manage Network Functions
- 8.4.25 Generate Data Analysis Menu Screens
- 8.5.26 Maintain Cell Sequence Integrity
- 8.2.26 Configure Communications and Security Devices
- 8.2.27 Handle Multiple Security Levels
- 8.2.45 Invoke Zeroization Capability

**DCAPES**

- 3.5.8 Access Unit Readiness and Logistics Reports
- 4.8.8 Assess Force Readiness
- 4.6.8 Determine Force Movement
- 5.5.2 Determine Force Requirements
- 5.3.3 Generate Logistics Scenarios
- 5.4.9 Assign Assets/Resources
- 5.4.12 Analyze Theater Supply and Service Units
- 5.1.20 Generate Correction or Contingency Plans
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.51 Conduct Force Planning
- 5.1.53 Create Information Operations (IO) Plan
- 6.1.16 Allocate Troop and Cargo Transport
- 7.1.7 Transfer Data
- 7.2.11 Communicate Force Information
- 8.2.1 Perform Network Information Assurance
- 8.12.2 Initiate Collaboration
- 8.8.5 Assign Roles and Privileges
- 8.7.7 Maintain Data Integrity
- 8.7.8 Query Data
- 8.10.11 Provide Data Entry Interface
- 8.1.16 Manage Network Performance
- 8.7.18 Archive Data
- 8.7.22 Disseminate Data
- 8.7.27 Retrieve Data
- 8.7.28 Provide Database Utilities
- 8.7.34 Verify Data
- 8.7.39 Aggregate Data

## UNCLASSIFIED FOUO

- 8.7.40 Format Data
- 8.7.47 Synchronize Data
- 8.7.51 Characterize Performance

**DCCV**

- 7 COMMUNICATIONS - Level 1
  - 7.1.1 Establish Communication Networks
  - 7.1.2 Provide Secure Communications
  - 7.1.3 Employ Conference Communications Services
  - 7.1.5 Transfer Data via Packet Switching
  - 7.1.7 Transfer Data
  - 7.1.8 Transfer Data via a Virtual Circuit
  - 7.1.10 Transfer Data via Circuit Switching
  - 7.1.11 Transfer Information Over Multiple Channels Simultaneously
  - 7.2.12 Communicate Status
  - 7.1.12 Transfer File
  - 7.1.25 Communicate Beyond Line of Sight Anti Jam Wideband Satellite
  - 7.1.26 Communicate Beyond Line of sight Narrowband-Satellite-LPI/LPD
  - 7.1.27 Communicate Beyond Line of sight using Mobile/Emergency-Satellite
  - 7.1.28 Communicate Beyond Line of sight wideband-Satellite-Protected/Hardened
  - 7.1.29 Communicate Beyond Line of sight-Multiband Wideband Satellite
  - 7.1.30 Communicate Beyond Line of sight-Narrowband Commercial Satellite
  - 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
  - 7.1.32 Communicate Beyond Line of sight-Narrowband-Satellite-Protected/Hardened
  - 7.1.33 Communicate Beyond Line of sight-Wideband Commercial Satellite
  - 7.1.34 Communicate Beyond Line of sight-Wideband MILSAT
  - 7.2.34 Relay Communications
  - 7.1.35 Communicate Beyond Line of sight-Wideband-Satellite-LPI/LPD
  - 7.1.36 Communicate Beyond Line of sight-Wideband-Satellite-Single Band/Multilink
  - 7.1.37 Communications Net Message Translation
  - 7.1.38 Communicate Beyond Line of Sight Anti Jam Narrowband Satellite
  - 7.1.39 Control Communications
  - 7.1.41 Provide Line-of-Sight Communications
  - 7.1.44 Conduct Video Conferencing
  - 7.1.51 Broadcast Information
  - 7.1.53 Provide (LAN) Local Area Network Communications
  - 7.1.54 Provide Beyond Line-of-Sight Communications
  - 7.1.77 Coordinate Message Delivery
  - 7.1.78 Collect & Store Satellite Link Status Relative to Link Budget
  - 7.1.79 Address Data by Position or Organization

## UNCLASSIFIED FOUO

- 7.1.87 Communicate via Radio Frequency (RF) Communications
- 7.1.88 Communicate Signals via Line Communications
- 7.1.89 Dynamically Manage or Allocate Frequencies
- 7.1.90 Select Optimum Transmission Path
- 7.1.91 Communicate via Acoustic Communications
- 7.1.95 Disseminate Sensor Products
- 8.12.1 Manage Collaboration Activities
- 8.6.1 Configure Network
- 8.12.4 Allocate and Manage Collaboration Communications
- 8.3.6 Establish Connectionless Network Services
- 8.2.26 Configure Communications and Security Devices
- 8.7.40 Format Data
- 8.1.54 Select Transmission Path for Ensuring Required Quality of Service (QOS)

**DCGS-A**

- 1.1 Signal Receipt & Processing - Group
- 1.5 Precision Time and Navigation - Group
- 1.4 Sensor Management - Group
  - 1.4.1 Fuse Sensor Data
  - 1.4.4 Control Search Parameters
  - 1.4.5 Manage Sensors
- 1.2.5 Search with Passive Sensor
- 1.4.6 Coordinate Sensor Employment with Operational Plans and Employment
- 1.4.7 Generate National ISR Sensor Tasking
- 1.1.7 Register Electromagnetic Signals
- 1.4.9 Generate Theater and External ISR Sensor Tasking
- 1.4.10 Generate Sensor Coverage
- 1.5.10 Translate Navigation Data
- 1.4.11 Maintain Sensor Configurations
- 1.4.12 Characterize Sensors
- 1.3.12 Detect SIGINT Data
- 1.1.12 Estimate a Single Object
- 1.4.13 Generate Sensor Tasking
- 1.3.14 Detect and Report Impediments
- 1.4.14 Control Sensor Operating Parameters
- 1.1.14 Receive MTI Data
- 1.4.15 Process Source Requirements
- 1.3.15 Detect IEDs
- 1.1.15 Process Electro-Optical/Infrared (EO/IR) Data
- 1.4.16 Determine Availability of Joint Force ISR Capabilities

## UNCLASSIFIED FOUO

- 1.1.16 Process RFID Tag
- 1.4.17 Determine Time to Sensor Availability
- 1.4.18 Identify Current Platform and Sensor Tasking
- 1.4.19 Direct and Monitor Sensor Employment
- 1.4.20 Determine Platform and Sensor Status
- 1.1.20 Perform Signal Parametric Analysis
- 1.4.21 Assess Sensor Performance
- 1.4.24 Recommend UGS (Unattended Ground Sensor) Placement
- 1.4.25 Correlate JISR Resources
- 1.4.26 Manage JISR Resources
- 1.4.27 Reconfigure Netted Sensor Grid Dynamically
- 1.4.31 Process Intelligence Surveillance and Reconnaissance (ISR) Support Requests
- 1.4.32 Control GEOINT Sensor
- 1.4.33 Process Satellite Access Authorization Information
- 2.1 Perform Tracking - Group
- 2 MANAGE TRACKING and TRACKS - Level 1
  - 2.2.1 Determine Combat Identification
    - 2.1.1 Form Tracks
    - 2.2.2 Determine Combat Identity
    - 2.2.3 Determine Identification Based on Reference Data
  - 2.1.4 Process Ground Moving Target Indicator (GMTI)
    - 2.2.4 Determine Track Activity and Status
  - 2.1.5 Exploit Moving Target Indicator Information
    - 2.2.5 Estimate Object Classification
  - 2.1.6 Track Blue Forces
    - 2.2.6 Execute Recognition
    - 2.2.7 Declare Identification Level of Confidence
  - 2.2.8 Determine Composite ID
  - 2.1.9 Correlate Tracks
    - 2.1.10 Associate Tracks
    - 2.2.12 Determine Identification Based on Associations
  - 2.2.15 Determine Procedural Identification
  - 2.2.16 Determine Organization Identification
  - 2.2.17 Resolve Identification Conflicts
  - 2.1.19 Align Multi-Sensor Data
    - 2.2.19 Associate Blue Forces in Proximity to Target
  - 2.1.20 Associate Multi-Sensor Data
  - 2.1.21 Update Existing Track
  - 2.1.24 Calculate Geolocation

## UNCLASSIFIED FOUO

- 2.1.25 Estimate Track Count
- 2.1.26 Maintain Track History
- 2.1.31 Fuse Track Data
- 2.1.32 Determine Line of Bearing (LOB) Point of Origin
- 3 GENERATE COMMON SITUATIONAL AWARENESS - Level 1
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3.4 CSA Data Management - Group
  - 3.4.1 Display Automatic Target Recognition
- 3.3.1 Provide Real-Time Threat Warning
- 3.2.1 Generate Common Operational Picture
- 3.3.2 Identify Occurrence of ISR Event
- 3.2.2 Generate Common Tactical Picture
- 3.2.3 Generate Battle Damage Scene
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.3.3 Protect Resources
- 3.2.4 Update COP Display
- 3.3.5 Generate Alert
- 3.4.5 Maintain Shared Situational Awareness
- 3.2.6 Generate Target Coordinates
- 3.4.6 Aggregate Events or Activities
- 3.3.7 Integrate Alert Sequencing Doctrine
- 3.4.7 Aggregate Objects
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.5.9 Monitor Force Status
- 3.2.9 Configure, Edit, and Display No-Fly Zones
- 3.4.10 Integrate Information on Potential Adversary COA
- 3.3.10 Generate Indication and Warning (I and W) Reports
- 3.4.11 Translate and Distribute Commanders Intent
- 3.4.12 Collect Performance Data
- 3.4.14 Manage Target Materials Information
- 3.5.14 Confirm Asset or Sensor Availability
- 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
- 3.5.16 Identify and Catalog Joint Assets and Activities
- 3.4.16 Record Events for Post Operations Analysis
- 3.2.16 Provide OPLAN Visibility
- 3.4.17 Update Enemy Profiles
- 3.2.17 Generate Unit and Platform Availability
- 3.2.18 Display Geospatial Information Overlay
- 3.4.19 Share Information

## UNCLASSIFIED FOUO

- 3.5.19 Display and Monitor Sensor Assets
- 3.2.23 Identify Joint Engagement Zone
- 3.2.27 Provide Geospatial Coordinates
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.29 Display Formation Tracks
- 3.2.31 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
- 3.2.32 Mensurate Object Coordinates
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.7 Analyze Targets - Group
- 4 MISSION ANALYSIS - Level 1
- 4.2 Analyze Natural Environment - Group
- 4.1 Analyze Natural Environmental Impacts - Group
- 4.3 Analyze Operational Environment - Group
- 4.7.1 Analyze Target Areas
- 4.1.1 Analyze Terrain
- 4.2.1 Assess Environment
- 4.3.1 Monitor Operational Situation
- 4.7.2 Manage Target List
- 4.2.2 Perform Natural Environmental & Topographical Analysis
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.1.2 Analyze Atmospheric and Weather Impacts
- 4.5.2 Evaluate Intelligence
- 4.3.3 Analyze Operational Situation
- 4.6.3 Predict Situation Effects
- 4.2.3 Analyze Meteorological Conditions
- 4.2.4 Assess Meteorological and Oceanographic (METOC) Conditions
- 4.3.6 Estimate Enemy Capability Levels
- 4.7.6 Predict Target Future Movements
- 4.6.6 Analyze Blue Force Vulnerability
- 4.7.7 Create High Value Target (HVT) List
- 4.6.7 Determine Enemy Courses of Action (COA)
- 4.3.7 Evaluate Operational Environment
- 4.6.8 Determine Force Movement
- 4.7.10 Identify Time Sensitive Targets
- 4.6.10 Conduct Assessment of Adversary Strengths and Vulnerability vs. Own
- 4.7.11 Determine Target Offset and Location
- 4.8.11 Assess Threats
- 4.3.12 Analyze and Filter Fusion Product Information
- 4.7.12 Recommend Target for Nomination

## UNCLASSIFIED FOUO

- 4.3.13 Manage Pattern Analysis Engine Controls
- 4.7.13 Enter, Edit, or Delete Target Criteria
- 4.3.14 Manage Pattern Model Generation
- 4.6.14 Calculate Probabilities for Potential Actions
- 4.6.15 Determine Best Positioning for Access to the Adversary
- 4.3.15 Generate Multiple Image View Analysis
- 4.6.16 Determine Electromagnetic Signature (EMSIG) Vulnerability
- 4.3.16 Analyze Effects
- 4.8.17 Correlate Events
- 4.3.18 Assess Effect
- 4.6.18 Predict Sensor Performance and Calculate Sensor Coverage
- 4.3.22 Assess Battle Damage
- 4.6.23 Analyze Vulnerability
- 4.3.23 Assess Damage Reports
- 4.8.24 Evaluate Feedback
- 4.6.24 Evaluate Potential Targets
- 4.6.25 Predict Enemy Intent
- 4.8.25 Exploit Intelligence
- 4.6.28 Generate CBRN Avoidance Area Prediction
- 4.6.29 Generate Environmental Prediction
- 4.6.33 Project Ground Track Prediction
- 4.6.36 Predict ISR Collection Requirements
- 4.6.37 Predict Airborne Dispersion
- 5 MISSION PLANNING - Level 1
- 5.5 Identify Planning Requirement Factors - Group
- 5.1.1 Generate New or Revised Plan
- 5.3.1 Conduct Mission Rehearsal
- 5.1.2 Enter and Update Commander's Critical Information Requirements (CCIRs)
- 5.3.2 Generate Enemy Scenarios
- 5.5.3 Develop Event Template
- 5.4.3 Map Force Composition to Requirements
- 5.1.4 Create Network Plans
- 5.3.4 Simulate COAs
- 5.3.5 Provide Exercise Functions
- 5.4.5 Determine Operational and Tactical Assets
- 5.5.6 Generate & Validate CCIR (PIR, FFIR, EEFI)
- 5.3.6 Model and Simulate Scenarios
- 5.4.6 Allocate Platform to Mission
- 5.4.7 Coordinate Plans and Tasking with Other Components

## UNCLASSIFIED FOUO

- 5.1.8 Manage Policies
- 5.4.8 Generate Space Tasking Order Message
- 5.3.8 Generate Wargaming Scenarios
- 5.4.9 Assign Assets/Resources
- 5.1.10 Generate Input to Missions Plans
- 5.1.11 Create Sensor Plans
- 5.4.11 Analyze Host Nation/Commercial Asset Visibility and Availability
- 5.4.14 Determine Time Requirements Given Mensuration Parameters
- 5.1.17 Create Collection Plans
- 5.1.19 Create Space Battle Plans
- 5.1.20 Generate Correction or Contingency Plans
- 5.1.22 Create Target & Threat Plans
- 5.1.38 Create Staff Estimate
- 5.1.39 Update Staff Estimate
- 5.1.40 Record Priority Intelligence Requirements
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.46 Develop CONOPS
- 5.1.47 Develop Initial Alternative Courses of Action
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.50 Draft Warning Order
- 5.1.51 Conduct Force Planning
- 5.1.52 Create Tactical Plans/ Orders
- 5.1.53 Create Information Operations (IO) Plan
- 5.1.54 Create Air Attack Plans
- 5.1.56 Generate Enemy Order of Battle (EOB)
- 5.1.57 Build Information Dissemination Delivery Plan
- 6.1.4 Employ Combat Assessment and BDA - Support Assets
- 6.3.6 Provide Dismounted Target Hand-Off and Designation
- 6.1.7 Task Combat and Battle Damage Assessment Support Assets
- 6.1.9 Control Mission
- 6.1.11 Execute Collection Activities
- 6.3.13 Identify Target for Weapon Employment
- 6.1.17 Direct Battle Plan Execution
- 6.1.18 Generate Coverage Orders
- 6.1.19 Execute Sensor Collection
- 6.1.20 Position System
- 6.1.21 Coordinate Mission Weapon Employment
- 6.1.27 Direct Maneuvers

## UNCLASSIFIED FOUO

- 6.1.30 Convert Sensor Asset Requests into Sensor Control Orders
- 6.1.31 Process Sensor Collection Requests
- 6.2.31 Select & Prioritize Target
- 6.1.32 Request External Sensor Tasking
- 6.2.32 Assign System Coverage
- 7.1.1 Establish Communication Networks
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.2.5 Receive Mission Update
- 7.1.6 Track Requests for Information
- 7.1.7 Transfer Data
- 7.1.8 Transfer Data via a Virtual Circuit
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.2.12 Communicate Status
- 7.1.12 Transfer File
- 7.2.16 Communicate Meteorological and Oceanographic (METOC) Data
- 7.2.18 Communicate Geodesy Data
- 7.1.22 Manage Message Boards
- 7.2.23 Deliver Mission-Type Orders to Subordinate Echelons
- 7.2.33 Disseminate Cryptographic Policy
- 7.1.44 Conduct Video Conferencing
- 7.1.45 Coordinate Tactical Reach-Back
- 7.1.50 Translate Foreign Languages
- 7.1.51 Broadcast Information
- 7.1.55 Manage Messaging Services
- 7.1.59 Translate Text to Speech
- 7.1.60 Determine Signal Loss between Satellite and Earth Site
- 7.1.77 Coordinate Message Delivery
- 7.1.79 Address Data by Position or Organization
- 7.1.80 Dynamically Transfer Data Based on Precedence
- 7.1.93 Communicate Data across Multiple Classification Domains
- 8.7 Manage Data - Group
- 8.11 Fuse Network Data - Group
- 8.12 Enterprise Collaboration Services
- 8.1 Provide Human Machine Interface - Group
- 8.4 IT Computing Services - Group
- 8.11.1 Fuse Data
- 8.8.1 Customize User Management

## UNCLASSIFIED FOUO

- 8.7.1 Manage Data Infrastructure
- 8.4.1 Create and Edit Messages
- 8.12.2 Initiate Collaboration
- 8.7.2 Manage General Information
- 8.8.2 Authorize User Roles and Services
- 8.11.2 Evaluate the Data Fusion Process
- 8.2.2 Detect Security Events
- 8.11.3 Refine the Data Fusion Performance
- 8.12.3 Perform Collaboration
- 8.7.3 Perform Dynamic Routing
- 8.8.3 Manage Accounts
- 8.10.3 Display Data
- 8.3.3 Establish and Maintain Connectivity
- 8.11.4 Analyze Node Data Fusion Assignments
- 8.8.4 Monitor and Adapt User Interface
- 8.6.4 Provide Bandwidth
- 8.7.4 Analyze Data
- 8.7.5 Translate Data
- 8.11.5 ID Product Types for Data Fusion
- 8.10.5 Provide Feedback on User Input and Actions
- 8.8.5 Assign Roles and Privileges
- 8.4.5 Manage Documents
- 8.1.5 Share Information
- 8.8.6 Maintain and Create User Profile
- 8.4.6 Support Web Browsing
- 8.7.6 Update Data
- 8.9.7 Manage Enterprise Information Assets
- 8.7.7 Maintain Data Integrity
- 8.3.7 Establish Node Associations
- 8.4.7 Spell and Grammar Check Documents
- 8.5.8 Maintain Required Quality of Service
- 8.9.8 Evaluate Enterprise Knowledge Information
- 8.7.8 Query Data
- 8.4.8 Bind Services and Application Program Interfaces
- 8.7.9 Sort Data
- 8.4.9 Duplicate Optical Media
- 8.1.9 Provide Network Applications Services
- 8.10.10 Provide Graphical User Interface Services
- 8.7.10 Filter Information

## UNCLASSIFIED FOUO

- 8.4.10 Generate Displays
- 8.7.11 Formulate Discovery Search
- 8.8.11 Manage COI Subscriptions
- 8.10.11 Provide Data Entry Interface
- 8.4.11 Manage Discovery Services
- 8.1.11 Provide Message Services
- 8.10.12 Provide Light Discipline for User
- 8.10.13 Control Refresh Rate
- 8.10.14 Identify the Need for Human-in-the-Loop Response
- 8.7.14 Delete Data
- 8.7.15 Transform Data
- 8.4.15 Produce and Manipulate Video
- 8.7.16 Migrate Data
- 8.4.16 Produce and Manage Media
- 8.7.17 Cleanse Data
- 8.1.17 Perform Data Services
- 8.7.18 Archive Data
- 8.1.18 Remotely Control System Operations
- 8.7.19 Categorize Data
- 8.2.19 Validate User Credentials
- 8.4.19 Provide and Manage Graphics
- 8.7.20 Characterize Objects
- 8.4.20 Provide Streaming Video
- 8.2.20 Authorize Data Access
- 8.7.21 Correlate Data
- 8.1.21 Manage Systems
- 8.2.21 Respond to Security Events
- 8.4.21 Process Imagery
- 8.7.22 Disseminate Data
- 8.4.22 View Documents
- 8.2.22 Access Information at Multiple Levels of Security
- 8.7.23 Disseminate Time Data
- 8.4.23 Execute Command Interpreter and Utility Services
- 8.7.24 Manage Information Delivery
- 8.7.26 Replicate Data
- 8.7.27 Retrieve Data
- 8.7.28 Provide Database Utilities
- 8.1.28 Find Services
- 8.7.29 Manage Data Storage

## UNCLASSIFIED FOUO

- 8.7.30 Populate Data Repositories
- 8.7.31 Allocate Storage Resources
- 8.7.32 Manage Metadata
- 8.4.33 Provide Printing Services
- 8.4.34 Support Multimedia Processing
- 8.1.35 Design and Maintain Web Pages
- 8.4.35 Window Management Services
- 8.4.36 Provide Office Automation Services
- 8.2.37 Provide Network Force Protection and Security
- 8.1.38 Establish Community of Interest (COI)
- 8.1.41 Manage Services
- 8.7.42 Request Data
- 8.7.43 Mine Data
- 8.4.43 Generate Preformatted Graphics
- 8.2.43 Identify with Biometrics Identity Services
- 8.1.43 Negotiate Services Across Networks
- 8.7.44 Mediate Data
- 8.1.44 Protect Against Effects of Electromagnetic Pulse (EMP) and Directed Energy Threa
- 8.2.44 Retain Cryptography after Power Loss
- 8.7.47 Synchronize Data
- 8.1.48 Provide Common Services
- 8.7.49 Submit Information Requirements
- 8.1.49 Provide Cross-Functional Community of Interest Support Services
- 8.7.50 Discover Data
- 8.1.55 Provide Subscription Services
- 8.1.57 Authorize Network Resource Request
- 8.1.58 Manage Trouble Tickets
- 8.1.59 Provide Discovery Services
- 8.1.64 Provide Online Help Services
- 8.7.66 Post Metadata to a Discovery Catalog
- 8.7.67 Post Metadata to a Federated Directory
- 8.1.67 Manage Message Traffic
- 8.7.68 Post Metadata to Metadata Registries
- 8.1.69 Provide Web Applications
- 8.7.74 Update Subscription Database
- 8.7.75 Manage Core Services Repository
- 8.7.76 Provide Data Mediation
- 8.7.77 Access Distributed Files
- 8.7.81 Store Data

## UNCLASSIFIED FOUO

- 8.7.86 Analyze and Organize Data
- 8.7.87 Validate Request for Information
- 8.7.91 Acquire Data
- 8.7.92 Provide Relevant Information
- 8.7.95 Search Unstructured Data
- 8.7.96 Review Information Search Results
- 8.7.97 Report Query Results
- 8.7.99 Produce Information Mapping and Taxonomy
- 9.1.11 Schedule Inspections
- 13.2.5 Perform Embedded Training
- 14.1 Intelligence Data Processing - Group
- 14 INTELLIGENCE - Level 1
- 14.1.1 Collect and Process SIGINT
- 14.1.2 Collect and Process IMINT Data
- 14.1.3 Collect and Process MASINT Data
- 14.1.4 Receive and Process HUMINT Data
- 14.1.5 Collect and Process Video Sensor Data
- 14.1.6 Process Intelligence Data
- 14.1.7 Manage Images
- 14.1.8 Rectify Image
- 14.1.9 Convert Image Format
- 14.1.10 Parse HUMINT Report
- 14.1.11 Disseminate Intelligence Products
- 14.1.12 Fuse Single-Source Intelligence Data
- 14.1.13 Fuse Multi-Source Intelligence Data
- 14.1.14 Manage HUMINT Dossier
- 14.1.15 Manage HUMINT Sources
- 14.1.16 Disseminate High Priority Tactical SIGINT Report
- 14.1.17 Evaluate Collection Results
- 14.1.18 Evaluate Intelligence Collection, Products, Reporting
- 14.1.19 Identify, Prioritize and Validate Intelligence Requirements
- 14.1.20 Generate Intelligence Product Update Requests
- 14.1.21 Extract Automated Feature
- 14.1.22 Correlate Image
- 14.1.23 Perform Imagery Coordinate Mensuration
- 14.1.24 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
- 14.1.25 Provide Data Assets from IPOE Products
- 14.1.26 Conduct Joint Intelligence Preparation of the Operational Environment
- 14.1.27 Provide Defense Intelligence Services

## UNCLASSIFIED FOUO

14.1.28 Disseminate Tactical SIGINT Report

**DCGS-AF**

- 1.4.1 Fuse Sensor Data
- 1.3.2 Detect Indications and Warnings
- 1.4.5 Manage Sensors
- 1.3.7 Sense Threat
- 1.4.7 Generate National ISR Sensor Tasking
- 1.4.9 Generate Theater and External ISR Sensor Tasking
- 2.1.24 Calculate Geolocation
- 3.3.1 Provide Real-Time Threat Warning
- 3.2.1 Generate Common Operational Picture
- 3.4.5 Maintain Shared Situational Awareness
- 3.4.11 Translate and Distribute Commanders Intent
- 3.2.27 Provide Geospatial Coordinates
- 4.1.1 Analyze Terrain
- 4.7.1 Analyze Target Areas
- 5.4.5 Determine Operational and Tactical Assets
- 5.1.11 Create Sensor Plans
- 5.4.13 Determine Targeting Asset Requirements
- 5.4.14 Determine Time Requirements Given Mensuration Parameters
- 5.1.28 Create Flight Plans
- 5.1.29 Generate Weapon Navigation and Flight Plan
- 6.3.5 Control Munitions
- 6.1.19 Execute Sensor Collection
- 6.1.32 Request External Sensor Tasking
- 7.1.96 Transmit or Receive Information
- 8.11.1 Fuse Data
- 8.12.2 Initiate Collaboration
- 8.12.3 Perform Collaboration
- 8.7.4 Analyze Data
- 8.7.5 Translate Data
- 8.4.6 Support Web Browsing
- 8.7.8 Query Data
- 8.7.11 Formulate Discovery Search
- 8.1.11 Provide Message Services
- 8.7.15 Transform Data
- 8.7.17 Cleanse Data
- 8.7.18 Archive Data
- 8.1.19 Conduct Information Management

## UNCLASSIFIED FOUO

- 8.7.21 Correlate Data
- 8.7.22 Disseminate Data
- 8.7.27 Retrieve Data
- 8.7.29 Manage Data Storage
- 8.7.32 Manage Metadata
- 8.7.37 Ensure Data Asset Visibility
- 8.7.50 Discover Data
- 8.1.58 Manage Trouble Tickets
- 8.7.66 Post Metadata to a Discovery Catalog
- 8.7.68 Post Metadata to Metadata Registries
- 8.7.84 Perform Multilevel Security Data Filtering
- 8.7.89 Provide Discovery Metadata for Situational Awareness
- 14.1.11 Disseminate Intelligence Products
- 14.1.17 Evaluate Collection Results
- 14.1.21 Extract Automated Feature
- 14.1.25 Provide Data Assets from IPOE Products

**DCGS-MC**

- 1.4 Sensor Management - Group
  - 1.4.1 Fuse Sensor Data
    - 1.1.1 Receive and Process Signals
    - 1.3.8 Intercept and Register Signals
  - 1.4.20 Determine Platform and Sensor Status
  - 1.4.21 Assess Sensor Performance
  - 1.4.25 Correlate JISR Resources
- 2 MANAGE TRACKING and TRACKS - Level 1
  - 2.1.13 Register Data
  - 2.1.26 Maintain Track History
  - 3.2.1 Generate Common Operational Picture
  - 3.4.3 Receive, Store and Maintain Geospatial Product Information
  - 3.2.5 Identify Return to Force (RTF) Profiles
  - 3.4.5 Maintain Shared Situational Awareness
  - 3.4.10 Integrate Information on Potential Adversary COA
  - 3.4.12 Collect Performance Data
  - 3.2.18 Display Geospatial Information Overlay
  - 3.2.27 Provide Geospatial Coordinates
  - 4.5.2 Evaluate Intelligence
  - 4.3.4 Identify Weapon Danger Zones
  - 4.8.25 Exploit Intelligence
  - 4.6.36 Predict ISR Collection Requirements

## UNCLASSIFIED FOUO

- 5 MISSION PLANNING - Level 1
  - 5.4.9 Assign Assets/Resources
    - 5.1.17 Create Collection Plans
      - 5.1.56 Generate Enemy Order of Battle (EOB)
- 6 MISSION EXECUTION - Level 1
  - 6.3.10 Monitor Mission Engagement
    - 6.1.11 Execute Collection Activities
      - 6.1.19 Execute Sensor Collection
        - 6.1.31 Process Sensor Collection Requests
- 7 COMMUNICATIONS - Level 1
  - 7.1.1 Establish Communication Networks
  - 7.1.2 Provide Secure Communications
  - 7.1.3 Employ Conference Communications Services
  - 7.1.4 Send Messages on Timed Delivery Basis
  - 7.1.5 Transfer Data via Packet Switching
  - 7.1.7 Transfer Data
  - 7.1.8 Transfer Data via a Virtual Circuit
  - 7.1.9 Transfer Data with Datagram Approach
  - 7.1.10 Transfer Data via Circuit Switching
  - 7.1.11 Transfer Information Over Multiple Channels Simultaneously
  - 7.1.12 Transfer File
  - 7.2.12 Communicate Status
  - 7.1.13 Identify Communications Assets
    - 7.1.19 Select Message
      - 7.1.21 Provide Message Status
        - 7.1.29 Communicate Beyond Line of sight-Multiband Wideband Satellite
        - 7.1.30 Communicate Beyond Line of sight-Narrowband Commercial Satellite
        - 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
  - 7.1.95 Disseminate Sensor Products
- 8.11.1 Fuse Data
- 8.3.1 Establish Network
- 8.12.2 Initiate Collaboration
  - 8.8.2 Authorize User Roles and Services
- 8.3.2 Dynamically Configure or Reconfigure Network
  - 8.12.3 Perform Collaboration
- 8.11.4 Analyze Node Data Fusion Assignments
- 8.8.5 Assign Roles and Priviledges
- 8.7.5 Translate Data
- 8.4.5 Manage Documents

## UNCLASSIFIED FOUO

- 8.7.6 Update Data
- 8.1.6 Support Communication
- 8.7.7 Maintain Data Integrity
- 8.2.7 Decrypt Data
- 8.2.8 Encrypt Data
- 8.7.8 Query Data
- 8.7.9 Sort Data
- 8.1.11 Provide Message Services
- 8.1.13 Maintain Network and Communication Status
- 8.7.14 Delete Data
- 8.7.15 Transform Data
- 8.7.16 Migrate Data
- 8.2.17 Maintain Network Classification
- 8.7.18 Archive Data
- 8.1.19 Conduct Information Management
- 8.7.20 Characterize Objects
- 8.2.20 Authorize Data Access
- 8.7.21 Correlate Data
- 8.7.22 Disseminate Data
- 8.2.22 Access Information at Multiple Levels of Security
- 8.7.23 Disseminate Time Data
- 8.7.25 Register Data
- 8.7.27 Retrieve Data
- 8.7.29 Manage Data Storage
- 8.7.32 Manage Metadata
- 8.2.37 Provide Network Force Protection and Security
- 8.7.39 Aggregate Data
- 8.7.40 Format Data
- 8.7.42 Request Data
- 8.7.47 Synchronize Data
- 14.1.6 Process Intelligence Data
- 14.1.17 Evaluate Collection Results
- 14.1.18 Evaluate Intelligence Collection, Products, Reporting
- 14.1.19 Identify, Prioritize and Validate Intelligence Requirements
- 14.1.21 Extract Automated Feature

**DCGS-N**

- 1.5.1 Detect Navigation Signals
- 1.2.2 Search with Underwater Sensor
- 1.5.2 Receive Navigation Signals

## UNCLASSIFIED FOUO

- 1.5.3 Recognize Navigation Signals
- 1.2.3 Search with Air Search Sensor
- 1.5.4 Search Navigation Signals
- 1.2.4 Search with Surface or Ground Search Sensor
- 1.4.5 Manage Sensors
- 1.5.5 Process Navigation Signals
- 1.2.5 Search with Passive Sensor
- 1.5.6 Correlate Navigational Data
- 1.5.7 Select Navigational Data Source
- 1.3.8 Intercept and Register Signals
- 1.5.9 Distribute Precision Navigation and Time Data
- 1.4.10 Generate Sensor Coverage
- 1.4.12 Characterize Sensors
- 1.1.12 Estimate a Single Object
- 1.4.14 Control Sensor Operating Parameters
- 1.4.15 Process Source Requirements
- 2.2.2 Determine Combat Identity
- 2.2.4 Determine Track Activity and Status
- 2.1.8 Fuse Track Measurements
- 2.2.8 Determine Composite ID
- 2.2.9 Determine Comprehensive Track ID
- 2.2.10 Determine Discrete ID
- 2.1.11 Filter Track Report
- 2.2.11 Identify Fused Data Track
- 2.2.12 Determine Identification Based on Associations
- 2.1.12 Coordinate Remote Track Reporting
- 2.2.13 Identify Civilian Air Tracks
- 2.1.14 Align Tracks Geodetically
- 2.1.15 Align Tracks Relatively
- 2.2.15 Determine Procedural Identification
- 2.2.16 Determine Organization Identification
- 2.1.17 Assign Track Number
- 2.2.17 Resolve Identification Conflicts
- 2.1.19 Align Multi-Sensor Data
- 2.1.20 Associate Multi-Sensor Data
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.23 Assign Track Category
- 2.1.24 Calculate Geolocation
- 3.2.2 Generate Common Tactical Picture

## UNCLASSIFIED FOUO

- 3.2.3 Generate Battle Damage Scene
- 3.3.4 Display Interference Alerts
- 3.3.5 Generate Alert
- 3.4.8 Manage Prioritization of Defended Asset Information Sets
- 3.5.15 Define Required Launch Platform State
- 3.4.16 Record Events for Post Operations Analysis
- 3.2.17 Generate Unit and Platform Availability
- 3.2.26 Track Engagement Status
- 4.1 Analyze Natural Environmental Impacts - Group
- 4.7.1 Analyze Target Areas
- 4.6.1 Determine Engageability
- 4.7.2 Manage Target List
- 4.6.2 Estimate Factors Affecting Weapon Performance
- 4.1.3 Determine Electromagnetic Interference (EMI) Impact
- 4.8.3 Determine Platform-Target Weapon Pairing
- 4.8.4 Evaluate and Assess Engagement Effectiveness
- 4.2.4 Assess Meteorological and Oceanographic (METOC) Conditions
- 4.3.4 Identify Weapon Danger Zones
- 4.7.5 Select & Prioritize Target
- 4.8.5 Determine Weapon Availability
- 4.3.5 Identify Target System Vulnerability
- 4.3.6 Estimate Enemy Capability Levels
- 4.7.6 Predict Target Future Movements
- 4.7.8 Retain or Remove Target on or from Target List
- 4.6.9 Calculate Weapons Performance
- 4.7.11 Determine Target Offset and Location
- 4.8.11 Assess Threats
- 4.6.11 Estimate Extent of Target Damage or Destruction
- 4.6.13 Determine Accessibility of Attack System to Target
- 4.6.18 Predict Sensor Performance and Calculate Sensor Coverage
- 4.6.20 Select Best Attack Asset
- 4.6.21 Calculate Probability of Engagement Effectiveness
- 4.6.22 Calculate Hit Probability Relative to Target Location Error
- 4.8.26 Assess from Multiple Perspectives
- 4.6.29 Generate Environmental Prediction
- 4.6.34 Refine Aim Point Location
- 4.6.35 Predict Intercept
- 5 MISSION PLANNING - Level 1
- 5.5.1 Identify Weapon Control Parameters

## UNCLASSIFIED FOUO

- 5.4.1 Assign Coverage
- 5.1.10 Generate Input to Missions Plans
- 5.1.13 Create Weapons Plans
- 5.4.14 Determine Time Requirements Given Mensuration Parameters
- 5.1.16 Develop Deconfliction Plan
- 5.1.22 Create Target & Threat Plans
- 5.1.23 Generate Weapon Terminal Guidance Plan
- 5.1.24 Format and Integrate Terminal Guidance Plan
- 5.1.29 Generate Weapon Navigation and Flight Plan
- 5.1.32 Format and Integrate In-Flight Weapon Plan
- 5.1.56 Generate Enemy Order of Battle (EOB)
- 5.1.59 Generate In-Flight Weapon Plan Changes
- 6.1.1 Coordinate Mission Execution
- 6.2.2 Optimize Configuration
- 6.2.3 Develop Targets
- 6.2.6 Certify Track Data Availability
- 6.1.7 Task Combat and Battle Damage Assessment Support Assets
- 6.2.8 Produce Engagement Schedules
- 6.1.9 Control Mission
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.3.14 Locate Target
- 6.2.21 Dynamically Deconflict Engagement
- 6.3.22 Supply Terminal Guidance Reference Data
- 6.1.23 Control Emission Control (EMCON) Operations
- 6.2.24 Generate Tactical Parameter Orders
- 6.2.25 Select Appropriate Lethal or Non-Lethal Attack System
- 6.2.26 Synchronize Tactics and Engagement Assignments
- 6.2.27 Task or Re-task Targeting Assets
- 6.1.29 Designate Track
- 6.2.35 Evaluate Weapons Intercept Volume
- 6.2.44 Determine Engagement Options and Generate Weapons Employment
- 7.2.1 Transmit Navigation Signal
- 7.3.1 Control Data Link
- 7.2.2 Transmit Weapons Recommendations
- 7.3.3 Control Operational Mode of Transport Services
- 7.3.4 Control Translation or Forwarding (T/F)
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.2.6 Transmit Coverage Plan
- 7.3.8 Exchange Link-22 and TADIL A/B Data

## UNCLASSIFIED FOUO

- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.3.10 Forward ATDL-1
- 7.3.11 Forward Ground-based Link (GBDL)
- 7.1.12 Transfer File
- 7.2.12 Communicate Status
- 7.1.13 Identify Communications Assets
- 7.3.14 Forward Point-to-Point Data Link (PPDL)
- 7.3.15 Incorporate Unit Linked Data
- 7.2.16 Communicate Meteorological and Oceanographic (METOC) Data
- 7.2.17 Communicate Mission Information
- 7.2.21 Transmit Sense Data
- 7.2.22 Control Use of Information Transfer System
- 7.2.29 Transmit Measurement Data
- 7.2.32 Provide Specialized Data Interchange Services
- 7.1.37 Communications Net Message Translation
- 7.1.39 Control Communications
- 7.1.83 Conduct Transmission Error Detection and Correction
- 7.1.89 Dynamically Manage or Allocate Frequencies
- 7.1.94 Provide Transport Services
- 7.1.96 Transmit or Receive Information
- 8.8 Perform User Management Services - Group
- 8.7 Manage Data - Group
- 8.1.1 Provide Network Services
- 8.11.2 Evaluate the Data Fusion Process
- 8.11.3 Refine the Data Fusion Performance
- 8.5.3 Identify Transmission Paths
- 8.3.3 Establish and Maintain Connectivity
- 8.11.4 Analyze Node Data Fusion Assignments
- 8.8.5 Assign Roles and Privileges
- 8.8.6 Maintain and Create User Profile
- 8.4.6 Support Web Browsing
- 8.7.7 Maintain Data Integrity
- 8.5.8 Maintain Required Quality of Service
- 8.2.8 Encrypt Data
- 8.1.9 Provide Network Applications Services
- 8.4.10 Generate Displays
- 8.1.11 Provide Message Services
- 8.7.14 Delete Data
- 8.2.16 Provide Transmission Security

## UNCLASSIFIED FOUO

- 8.6.17 Share Available Bandwidth
- 8.1.17 Perform Data Services
- 8.7.21 Correlate Data
- 8.7.23 Disseminate Time Data
- 8.7.24 Manage Information Delivery
- 8.2.24 Authenticate Data
- 8.7.29 Manage Data Storage
- 8.7.32 Manage Metadata
- 8.5.32 Reroute Messages
- 8.7.35 Regulate Data Flow
- 8.7.38 Provide Visibility of Data Storage Infrastructure
- 8.4.38 Reconfigure Information Transfer System
- 8.7.41 Provide Directory Services
- 8.7.49 Submit Information Requirements
- 8.7.60 Manage Enterprise Storage Resources
- 8.7.71 Store Semantic Information on Data
- 8.1.72 Provide Configuration Management Services
- 14.1.21 Extract Automated Feature

**DCGS-SOF**

- 1.5.2 Receive Navigation Signals
- 1.4.4 Control Search Parameters
- 1.2.4 Search with Surface or Ground Search Sensor
- 1.2.5 Search with Passive Sensor
- 1.3.8 Intercept and Register Signals
- 1.4.10 Generate Sensor Coverage
- 1.5.11 Translate Time Data
- 1.1.12 Estimate a Single Object
- 1.4.12 Characterize Sensors
- 1.4.14 Control Sensor Operating Parameters
- 1.4.19 Direct and Monitor Sensor Employment
- 1.4.22 Calculate Sensor Error or Uncertainty
- 2.1.1 Form Tracks
- 2.2.1 Determine Combat Identification
- 2.2.2 Determine Combat Identity
- 2.1.4 Process Ground Moving Target Indicator (GMTI)
- 2.2.4 Determine Track Activity and Status
- 2.1.5 Exploit Moving Target Indicator Information
- 2.2.5 Estimate Object Classification
- 2.2.7 Declare Identification Level of Confidence

## UNCLASSIFIED FOUO

- 2.2.8 Determine Composite ID
- 2.2.9 Determine Comprehensive Track ID
- 2.1.9 Correlate Tracks
- 2.1.10 Associate Tracks
- 2.2.10 Determine Discrete ID
- 2.1.11 Filter Track Report
- 2.2.11 Identify Fused Data Track
- 2.1.12 Coordinate Remote Track Reporting
- 2.2.12 Determine Identification Based on Associations
- 2.1.14 Align Tracks Geodetically
- 2.2.15 Determine Procedural Identification
- 2.2.16 Determine Organization Identification
- 2.1.17 Assign Track Number
- 2.2.18 Determine Blue Force Tracking Identification
- 2.2.19 Associate Blue Forces in Proximity to Target
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.23 Assign Track Category
- 2.1.24 Calculate Geolocation
- 2.1.27 Extract Feature
- 2.1.29 Update Target, Intelligence, and System Profiles
- 2.1.30 Evaluate Track Data Fusion
- 2.1.32 Determine Line of Bearing (LOB) Point of Origin
- 3.2.2 Generate Common Tactical Picture
- 3.2.3 Generate Battle Damage Scene
- 3.3.4 Display Interference Alerts
- 3.3.5 Generate Alert
- 3.2.6 Generate Target Coordinates
- 3.3.7 Integrate Alert Sequencing Doctrine
- 3.2.7 Identify Weapons Free Zones
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.5.9 Monitor Force Status
- 3.5.15 Define Required Launch Platform State
- 3.2.32 Mensurate Object Coordinates
- 4.1 Analyze Natural Environmental Impacts - Group
- 4.7.1 Analyze Target Areas
- 4.6.1 Determine Engageability
- 4.2.1 Assess Environment
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.7.2 Manage Target List

## UNCLASSIFIED FOUO

- 4.6.2 Estimate Factors Affecting Weapon Performance
- 4.2.3 Analyze Meteorological Conditions
- 4.8.3 Determine Platform-Target Weapon Pairing
- 4.1.3 Determine Electromagnetic Interference (EMI) Impact
- 4.8.4 Evaluate and Assess Engagement Effectiveness
- 4.2.4 Assess Meteorological and Oceanographic (METOC) Conditions
- 4.3.4 Identify Weapon Danger Zones
- 4.3.5 Identify Target System Vulnerability
- 4.8.5 Determine Weapon Availability
- 4.3.6 Estimate Enemy Capability Levels
- 4.6.9 Calculate Weapons Performance
- 4.7.9 Determine Object Probable Location
- 4.7.10 Identify Time Sensitive Targets
- 4.7.11 Determine Target Offset and Location
- 4.8.11 Assess Threats
- 4.3.12 Analyze and Filter Fusion Product Information
- 4.6.12 Estimate Weapons Effectiveness
- 4.8.13 Integrate Fires and Maneuvers Guidance
- 4.6.13 Determine Accessibility of Attack System to Target
- 4.6.16 Determine Electromagnetic Signature (EMSIG) Vulnerability
- 4.8.17 Correlate Events
- 4.3.17 Assess Battle Damage in Real-Time
- 4.6.21 Calculate Probability of Engagement Effectiveness
- 4.6.22 Calculate Hit Probability Relative to Target Location Error
- 4.3.22 Assess Battle Damage
- 4.6.24 Evaluate Potential Targets
- 4.6.29 Generate Environmental Prediction
- 4.6.34 Refine Aim Point Location
- 4.6.35 Predict Intercept
- 4.6.40 Generate Attack Window
- 5.4.1 Assign Coverage
- 5.5.1 Identify Weapon Control Parameters
- 5.1.5 Generate Ingress and Egress Plans
- 5.1.10 Generate Input to Missions Plans
- 5.1.11 Create Sensor Plans
- 5.1.13 Create Weapons Plans
- 5.1.14 Create Maneuver Plans
- 5.4.14 Determine Time Requirements Given Mensuration Parameters
- 5.1.16 Develop Deconfliction Plan

## UNCLASSIFIED FOUO

- 5.1.22 Create Target & Threat Plans
- 5.1.23 Generate Weapon Terminal Guidance Plan
- 5.1.24 Format and Integrate Terminal Guidance Plan
- 5.1.28 Create Flight Plans
- 5.1.29 Generate Weapon Navigation and Flight Plan
- 5.1.32 Format and Integrate In-Flight Weapon Plan
- 5.1.56 Generate Enemy Order of Battle (EOB)
- 5.1.59 Generate In-Flight Weapon Plan Changes
- 6.2.1 Provide Re-attack Recommendation
- 6.1.1 Coordinate Mission Execution
- 6.2.2 Optimize Configuration
- 6.2.4 Determine Attack Window
- 6.1.4 Employ Combat Assessment and BDA - Support Assets
- 6.3.6 Provide Dismounted Target Hand-Off and Designation
- 6.2.6 Certify Track Data Availability
- 6.1.7 Task Combat and Battle Damage Assessment Support Assets
- 6.3.8 Monitor Weapon Status
- 6.3.10 Monitor Mission Engagement
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.3.14 Locate Target
- 6.1.21 Coordinate Mission Weapon Employment
- 6.2.24 Generate Tactical Parameter Orders
- 6.2.25 Select Appropriate Lethal or Non-Lethal Attack System
- 6.2.27 Task or Re-task Targeting Assets
- 6.2.33 Adjust Engagement Schedules
- 6.2.35 Evaluate Weapons Intercept Volume
- 6.2.44 Determine Engagement Options and Generate Weapons Employment
- 7.1.1 Establish Communication Networks
- 7.1.2 Provide Secure Communications
- 7.2.2 Transmit Weapons Recommendations
- 7.2.6 Transmit Coverage Plan
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.3.8 Exchange Link-22 and TADIL A/B Data
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.3.10 Forward ATDL-1
- 7.3.11 Forward Ground-based Link (GBDL)
- 7.2.11 Communicate Force Information
- 7.2.12 Communicate Status
- 7.3.14 Forward Point-to-Point Data Link (PPDL)

## UNCLASSIFIED FOUO

- 7.3.15 Incorporate Unit Linked Data
- 7.2.15 Communicate with Weapon During Flyout
- 7.2.16 Communicate Meteorological and Oceanographic (METOC) Data
- 7.2.17 Communicate Mission Information
- 7.2.19 Maintain Routing Information
- 7.2.21 Transmit Sense Data
- 7.2.22 Control Use of Information Transfer System
- 7.1.23 Notify User of Message Arrival
- 7.1.26 Communicate Beyond Line of sight Narrowband-Satellite-LPI/LPD
- 7.1.32 Communicate Beyond Line of sight-Narrowband-Satellite-Protected/Hardened
- 7.1.35 Communicate Beyond Line of sight-Wideband-Satellite-LPI/LPD
- 8.11.1 Fuse Data
- 8.7.1 Manage Data Infrastructure
- 8.4.1 Create and Edit Messages
- 8.5.3 Identify Transmission Paths
- 8.3.3 Establish and Maintain Connectivity
- 8.11.4 Analyze Node Data Fusion Assignments
- 8.6.5 Establish and Maintain RF Array Geometry
- 8.7.7 Maintain Data Integrity
- 8.5.8 Maintain Required Quality of Service
- 8.2.8 Encrypt Data
- 8.2.9 Maintain Secure Data Transmission
- 8.4.10 Generate Displays
- 8.7.14 Delete Data
- 8.5.18 Establish a Virtual Channel Connection (VCC)
- 8.7.18 Archive Data
- 8.7.21 Correlate Data
- 8.7.23 Disseminate Time Data
- 8.7.24 Manage Information Delivery
- 8.2.24 Authenticate Data
- 8.7.29 Manage Data Storage
- 8.7.30 Populate Data Repositories
- 8.7.32 Manage Metadata
- 8.7.34 Verify Data
- 8.7.47 Synchronize Data
- 8.7.86 Analyze and Organize Data
- 9.1.23 Perform Diagnostic Testing
- 14.1.23 Perform Imagery Coordinate Mensuration

**DJC2**

## UNCLASSIFIED FOUO

- 1.4.1 Fuse Sensor Data
- 1.1.1 Receive and Process Signals
- 1.4.3 Identify Current Platform and Sensor Tasking
- 1.4.5 Manage Sensors
- 1.4.6 Coordinate Sensor Employment with Operational Plans and Employment
- 1.4.7 Generate National ISR Sensor Tasking
- 1.4.9 Generate Theater and External ISR Sensor Tasking
- 1.4.10 Generate Sensor Coverage
- 1.4.12 Characterize Sensors
- 1.4.13 Generate Sensor Tasking
- 1.4.14 Control Sensor Operating Parameters
- 1.4.15 Process Source Requirements
- 1.4.16 Determine Availability of Joint Force ISR Capabilities
- 1.4.18 Identify Current Platform and Sensor Tasking
- 1.4.19 Direct and Monitor Sensor Employment
- 1.4.20 Determine Platform and Sensor Status
- 1.4.25 Correlate JISR Resources
- 2.2.1 Determine Combat Identification
- 2.2.2 Determine Combat Identity
- 2.1.6 Track Blue Forces
- 2.1.7 Qualify Track
- 2.2.7 Declare Identification Level of Confidence
- 2.1.8 Fuse Track Measurements
- 2.2.8 Determine Composite ID
- 2.1.9 Correlate Tracks
- 2.2.9 Determine Comprehensive Track ID
- 2.1.10 Associate Tracks
- 2.2.10 Determine Discrete ID
- 2.1.11 Filter Track Report
- 2.1.12 Coordinate Remote Track Reporting
- 2.1.13 Register Data
- 2.2.17 Resolve Identification Conflicts
- 2.1.17 Assign Track Number
- 2.2.18 Determine Blue Force Tracking Identification
- 2.1.18 Generate Global Track Number
- 2.2.19 Associate Blue Forces in Proximity to Target
- 2.1.25 Estimate Track Count
- 2.1.26 Maintain Track History
- 2.1.28 Monitor Track Safe Return or Passage

## UNCLASSIFIED FOUO

- 3.3 Provide Indications, Warnings, and Alerts - Group
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
  - 3.2.1 Generate Common Operational Picture
  - 3.5.1 Monitor Embedded Mission Readiness
  - 3.3.1 Provide Real-Time Threat Warning
  - 3.2.2 Generate Common Tactical Picture
  - 3.4.3 Receive, Store and Maintain Geospatial Product Information
  - 3.2.3 Generate Battle Damage Scene
  - 3.5.3 Analyze Transportation Asset Visibility
  - 3.5.5 Report Unit and Platform Status
  - 3.3.5 Generate Alert
  - 3.4.6 Aggregate Events or Activities
  - 3.5.6 Access Joint Asset Information
  - 3.2.7 Identify Weapons Free Zones
  - 3.4.7 Aggregate Objects
  - 3.5.8 Access Unit Readiness and Logistics Reports
  - 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
  - 3.4.9 Aggregate and Present Blue Force Tracks
  - 3.2.9 Configure, Edit, and Display No-Fly Zones
  - 3.5.9 Monitor Force Status
  - 3.4.10 Integrate Information on Potential Adversary COA
  - 3.2.10 Configure, Edit, and Display Restricted Navigation Zones
  - 3.5.12 Retrieve and Maintain Rules of Engagement (ROE)
  - 3.5.13 Monitor Information Operations (IO)
  - 3.2.14 Maintain and Display Unit and Platform Status Information
  - 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
  - 3.2.16 Provide OPLAN Visibility
  - 3.5.17 Process Asset Specific Information Query
  - 3.2.17 Generate Unit and Platform Availability
  - 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.3.1 Monitor Operational Situation
  - 4.7.1 Analyze Target Areas
  - 4.1.2 Analyze Atmospheric and Weather Impacts
  - 4.3.2 Identify Threat Courses of Action (COA)
  - 4.2.2 Perform Natural Environmental & Topographical Analysis
  - 4.3.3 Analyze Operational Situation
  - 4.7.3 Review Restricted Target List
  - 4.2.3 Analyze Meteorological Conditions
  - 4.6.4 Identify Status of Forces

## UNCLASSIFIED FOUO

- 4.2.4 Assess Meteorological and Oceanographic (METOC) Conditions
- 4.3.4 Identify Weapon Danger Zones
- 4.7.5 Select & Prioritize Target
- 4.3.5 Identify Target System Vulnerability
- 4.6.5 Prepare Deployment Estimates
- 4.7.6 Predict Target Future Movements
- 4.3.6 Estimate Enemy Capability Levels
- 4.8.6 Analyze COAs
- 4.6.6 Analyze Blue Force Vulnerability
- 4.7.7 Create High Value Target (HVT) List
- 4.6.7 Determine Enemy Courses of Action (COA)
- 4.7.8 Retain or Remove Target on or from Target List
- 4.3.8 Evaluate Mission
- 4.8.8 Assess Force Readiness
- 4.6.8 Determine Force Movement
- 4.6.10 Conduct Assessment of Adversary Strengths and Vulnerability vs. Own
- 4.8.12 Assess Landing Alternatives and Surrounding Situational Awareness
- 4.8.13 Integrate Fires and Maneuvers Guidance
- 4.3.16 Analyze Effects
- 4.3.17 Assess Battle Damage in Real-Time
- 4.8.17 Correlate Events
- 4.8.18 Assess Achievement of Planned Effects
- 4.3.18 Assess Effect
- 4.3.22 Assess Battle Damage
- 4.6.24 Evaluate Potential Targets
- 4.8.24 Evaluate Feedback
- 4.6.25 Predict Enemy Intent
- 4.6.31 Predict Joint Asset Shortfall
- 4.6.39 Project Tracks Future Position
- 5.5 Identify Planning Requirement Factors - Group
- 5.3.1 Conduct Mission Rehearsal
- 5.3.2 Generate Enemy Scenarios
- 5.1.3 Manage Guidance and Objectives
- 5.4.3 Map Force Composition to Requirements
- 5.5.3 Develop Event Template
- 5.1.4 Create Network Plans
- 5.5.6 Generate & Validate CCIR (PIR, FFIR, EEFI)
- 5.4.7 Coordinate Plans and Tasking with Other Components
- 5.1.10 Generate Input to Missions Plans

## UNCLASSIFIED FOUO

- 5.1.11 Create Sensor Plans
- 5.1.12 Create Attack Plans
- 5.4.12 Analyze Theater Supply and Service Units
- 5.1.13 Create Weapons Plans
- 5.1.14 Create Maneuver Plans
- 5.1.16 Develop Deconfliction Plan
- 5.1.17 Create Collection Plans
- 5.1.20 Generate Correction or Contingency Plans
- 5.1.22 Create Target & Threat Plans
- 5.1.36 Create Commanders Guidance
- 5.1.46 Develop CONOPS
- 5.1.47 Develop Initial Alternative Courses of Action
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.52 Create Tactical Plans/ Orders
- 5.1.53 Create Information Operations (IO) Plan
- 5.1.55 Create CBR Defense Plans
- 5.1.56 Generate Enemy Order of Battle (EOB)
- 6.1.1 Coordinate Mission Execution
- 6.2.4 Determine Attack Window
- 6.1.4 Employ Combat Assessment and BDA - Support Assets
- 6.1.5 Execute Tactical Fires and Maneuver Plan
- 6.1.7 Task Combat and Battle Damage Assessment Support Assets
- 6.1.8 Source and Coordinate Preferred COA
- 6.2.10 Recommend Maneuvers to Avoid Interference
- 6.1.10 Order Deployment of Coordinated Strike Forces
- 6.1.11 Execute Collection Activities
- 6.1.16 Allocate Troop and Cargo Transport
- 6.2.17 Process Air Support Request
- 7.1.1 Establish Communication Networks
- 7.3.1 Control Data Link
- 7.1.2 Provide Secure Communications
- 7.1.3 Employ Conference Communications Services
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.3.4 Control Translation or Forwarding (T/F)
- 7.2.5 Receive Mission Update
- 7.2.7 Receive Strategic Mission & Guidance
- 7.3.9 Filter Translation or Forwarding
- 7.2.11 Communicate Force Information

## UNCLASSIFIED FOUO

- 7.1.12 Transfer File
- 7.2.12 Communicate Status
- 7.2.13 Communicate Mission Objectives & Support Needs
- 7.1.13 Identify Communications Assets
- 7.2.14 Communicate Engagement Orders
- 7.2.15 Communicate with Weapon During Flyout
- 7.2.16 Communicate Meteorological and Oceanographic (METOC) Data
- 7.2.17 Communicate Mission Information
- 7.2.19 Maintain Routing Information
- 7.1.19 Select Message
- 7.1.20 Prioritize Message
- 7.2.20 Collect and Route Signals
- 7.1.21 Provide Message Status
- 7.1.22 Manage Message Boards
- 7.2.23 Deliver Mission-Type Orders to Subordinate Echelons
- 7.1.23 Notify User of Message Arrival
- 7.2.24 Forward Message
- 7.1.24 Manage E-Mail
- 7.1.25 Communicate Beyond Line of Sight Anti Jam Wideband Satellite
- 7.1.26 Communicate Beyond Line of sight Narrowband-Satellite-LPI/LPD
- 7.1.27 Communicate Beyond Line of sight using Mobile/Emergency-Satellite
- 7.1.28 Communicate Beyond Line of sight wideband-Satellite-Protected/Hardened
- 7.1.29 Communicate Beyond Line of sight-Multiband Wideband Satellite
- 7.1.30 Communicate Beyond Line of sight-Narrowband Commercial Satellite
- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
- 7.1.32 Communicate Beyond Line of sight-Narrowband-Satellite-Protected/Hardened
- 7.1.33 Communicate Beyond Line of sight-Wideband Commercial Satellite
- 7.2.34 Relay Communications
- 7.1.34 Communicate Beyond Line of sight-Wideband MILSAT
- 7.1.35 Communicate Beyond Line of sight-Wideband-Satellite-LPI/LPD
- 7.1.36 Communicate Beyond Line of sight-Wideband-Satellite-Single Band/Multilink
- 7.1.37 Communications Net Message Translation
- 7.1.38 Communicate Beyond Line of Sight Anti Jam Narrowband Satellite
- 7.1.41 Provide Line-of-Sight Communications
- 7.1.44 Conduct Video Conferencing
- 7.1.51 Broadcast Information
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.54 Provide Beyond Line-of-Sight Communications
- 7.1.55 Manage Messaging Services

## UNCLASSIFIED FOUO

- 7.1.56 Provide Shared Audio Visualization Capabilities
- 7.1.60 Determine Signal Loss between Satellite and Earth Site
- 7.1.62 Determine Signal Power Received at Satellite & Earth Station
- 7.1.75 Prepare Communication Budget Calculations
- 7.1.78 Collect & Store Satellite Link Status Relative to Link Budget
- 7.1.85 Scan Radio Frequencies
- 7.1.90 Select Optimum Transmission Path
- 8.12 Enterprise Collaboration Services
- 8.8 Perform User Management Services - Group
- 8.5.1 Operate Network
- 8.7.1 Manage Data Infrastructure
- 8.8.1 Customize User Management
- 8.11.1 Fuse Data
- 8.12.1 Manage Collaboration Activities
- 8.6.1 Configure Network
- 8.2.1 Perform Network Information Assurance
- 8.1.1 Provide Network Services
- 8.4.1 Create and Edit Messages
- 8.3.1 Establish Network
- 8.12.2 Initiate Collaboration
- 8.8.2 Authorize User Roles and Services
- 8.6.2 Disconnect Circuit
- 8.2.2 Detect Security Events
- 8.12.3 Perform Collaboration
- 8.10.3 Display Data
- 8.5.3 Identify Transmission Paths
- 8.7.3 Perform Dynamic Routing
- 8.1.3 Provide Remote Access
- 8.3.3 Establish and Maintain Connectivity
- 8.12.4 Allocate and Manage Collaboration Communications
- 8.6.4 Provide Bandwidth
- 8.7.4 Analyze Data
- 8.8.4 Monitor and Adapt User Interface
- 8.5.4 Manage Network Accounting
- 8.2.4 Render Useless
- 8.3.4 Establish Wireless Battleforce Network
- 8.4.4 Perform Desktop Publishing
- 8.12.5 Terminate Collaboration
- 8.11.5 ID Product Types for Data Fusion

## UNCLASSIFIED FOUO

- 8.5.5 Adjust Network Resources
- 8.6.5 Establish and Maintain RF Array Geometry
- 8.8.5 Assign Roles and Privileges
- 8.4.5 Manage Documents
- 8.1.5 Share Information
- 8.2.5 Provide Confidentiality Services
- 8.3.5 Establish Circuit
- 8.8.6 Maintain and Create User Profile
- 8.12.6 Conduct Decision Process Collaboration
- 8.5.6 Coordinate Network Resource Availability
- 8.3.6 Establish Connectionless Network Services
- 8.2.6 Provide Entity Authentication Services
- 8.4.6 Support Web Browsing
- 8.12.7 Manage Collaboration Resources
- 8.2.7 Decrypt Data
- 8.7.7 Maintain Data Integrity
- 8.5.8 Maintain Required Quality of Service
- 8.12.8 Determine Collaboration Resource Availability
- 8.3.8 Authenticate Wireless Network Associations
- 8.7.8 Query Data
- 8.10.9 Provide Automated Interfaces to Current System Planning Tools
- 8.12.9 Provide Common Workspace
- 8.7.9 Sort Data
- 8.6.9 Re-Associate Nodes on Wireless Network
- 8.1.9 Provide Network Applications Services
- 8.2.9 Maintain Secure Data Transmission
- 8.3.9 Load Applications
- 8.7.10 Filter Information
- 8.10.10 Provide Graphical User Interface Services
- 8.6.10 Maintain NetOps Configuration Monitoring
- 8.12.10 Transcribe Collaboration
- 8.4.10 Generate Displays
- 8.3.10 Develop Clients and Servers
- 8.2.10 Monitor Network Security
- 8.1.10 Receive Request for Information
- 8.5.11 Monitor Network Usage
- 8.10.11 Provide Data Entry Interface
- 8.2.11 Provide Identity Management Services
- 8.1.11 Provide Message Services

## UNCLASSIFIED FOUO

- 8.5.12 Predict System Capability
- 8.2.12 Provide Embedded Programmable Cryptographic Capability
- 8.1.13 Maintain Network and Communication Status
- 8.2.13 Implement NSA or NIST Public Key Cryptography
- 8.7.14 Delete Data
- 8.8.14 Register in Community of Interest (COI) Directory
- 8.1.14 Provide Network Access
- 8.5.15 Receive Storage Media Resource Request
- 8.2.15 Provide Cryptographic Services
- 8.1.15 Provided Shared Production Capabilities
- 8.10.16 Present User Defined Situational Awareness Information
- 8.1.16 Manage Network Performance
- 8.4.16 Produce and Manage Media
- 8.2.16 Provide Transmission Security
- 8.6.17 Share Available Bandwidth
- 8.7.17 Cleanse Data
- 8.1.17 Perform Data Services
- 8.2.17 Maintain Network Classification
- 8.5.18 Establish a Virtual Channel Connection (VCC)
- 8.7.18 Archive Data
- 8.2.18 Perform Registration Services
- 8.1.18 Remotely Control System Operations
- 8.1.19 Conduct Information Management
- 8.6.20 Provide Aggregated Network Assess Services
- 8.5.20 Establish Optimum Connection – Oriented Network Services
- 8.2.20 Authorize Data Access
- 8.1.20 Manage Network Functions
- 8.2.21 Respond to Security Events
- 8.1.21 Manage Systems
- 8.7.22 Disseminate Data
- 8.1.22 Provide Networked Services and Applications
- 8.1.23 Synchronize Network Timing
- 8.7.24 Manage Information Delivery
- 8.1.24 Assess Network
- 8.7.25 Register Data
- 8.1.25 Manage Status of Network Assets
- 8.7.26 Replicate Data
- 8.1.26 Perform System and Network Analysis
- 8.2.26 Configure Communications and Security Devices

## UNCLASSIFIED FOUO

- 8.1.27 Terminate Network Connection
- 8.7.28 Provide Database Utilities
- 8.7.29 Manage Data Storage
- 8.7.31 Allocate Storage Resources
- 8.7.32 Manage Metadata
- 8.5.32 Reroute Messages
- 8.5.33 Scan Mailbox
- 8.7.35 Regulate Data Flow
- 8.4.36 Provide Office Automation Services
- 8.4.37 Control Operation of Computer
- 8.7.38 Provide Visibility of Data Storage Infrastructure
- 8.7.40 Format Data
- 8.4.40 Generate Reports
- 8.4.41 Manage Reports
- 8.7.41 Provide Directory Services
- 8.1.41 Manage Services
- 8.7.42 Request Data
- 8.7.43 Mine Data
- 8.1.43 Negotiate Services Across Networks
- 8.7.44 Mediate Data
- 8.1.44 Protect Against Effects of Electromagnetic Pulse (EMP) and Directed Energy Threa
- 8.1.46 Provide Asymmetric Network Capability
- 8.7.47 Synchronize Data
- 8.7.48 Monitor Data
- 8.7.49 Submit Information Requirements
- 8.1.49 Provide Cross-Functional Community of Interest Support Services
- 8.7.50 Discover Data
- 8.7.51 Characterize Performance
- 8.7.52 Report Performance Results
- 8.1.54 Select Transmission Path for Ensuring Required Quality of Service (QOS)
- 8.7.60 Manage Enterprise Storage Resources
- 8.7.65 Perform Text Searches
- 8.1.67 Manage Message Traffic
- 8.7.69 Query Unit and Infrastructure Strength and Limitations
- 8.7.81 Store Data
- 8.7.83 Manage and Manipulate File and File Systems
- 8.7.91 Acquire Data
- 8.7.92 Provide Relevant Information
- 9.1.3 Analyze Theater Maintenance Repair Unit Visibility

## UNCLASSIFIED FOUO

- 9.2.4 Perform Network Fault Isolation and Reconfiguration
- 9.1.23 Perform Diagnostic Testing
- 10.2.1 Schedule Distribution and Transportation
- 10.1.12 Analyze Theater Commercial Supply Availability
- 10.1.24 Automatically Detect Supply Needs
- 13.3.2 Generate and Manage Curriculum Content
- 14.1.1 Collect and Process SIGINT
- 14.1.2 Collect and Process IMINT Data
- 14.1.4 Receive and Process HUMINT Data
- 14.1.6 Process Intelligence Data
- 14.1.11 Disseminate Intelligence Products
- 14.1.17 Evaluate Collection Results
- 14.1.18 Evaluate Intelligence Collection, Products, Reporting
- 14.1.26 Conduct Joint Intelligence Preparation of the Operational Environment

**DRRS**

- 1.4.20 Determine Platform and Sensor Status
- 2.2.16 Determine Organization Identification
- 3.5.3 Analyze Transportation Asset Visibility
- 3.5.5 Report Unit and Platform Status
- 3.5.6 Access Joint Asset Information
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.5.9 Monitor Force Status
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.2.17 Generate Unit and Platform Availability
- 4.6.4 Identify Status of Forces
- 4.6.5 Prepare Deployment Estimates
- 4.8.8 Assess Force Readiness
- 4.6.31 Predict Joint Asset Shortfall
- 5.4.2 Support Asset Tasking
- 5.5.2 Determine Force Requirements
- 5.4.3 Map Force Composition to Requirements
- 5.5.4 Establish Force Reporting Criteria Responsibilities
- 5.5.5 Establish Force Reporting Procedures
- 5.4.7 Coordinate Plans and Tasking with Other Components
- 5.4.12 Analyze Theater Supply and Service Units
- 6.1.16 Allocate Troop and Cargo Transport
- 8.8.2 Authorize User Roles and Services
- 8.8.5 Assign Roles and Privileges

## UNCLASSIFIED FOUO

- 8.8.6 Maintain and Create User Profile
- 8.7.8 Query Data
- 8.7.16 Migrate Data
- 8.7.19 Categorize Data
- 8.2.20 Authorize Data Access
- 8.7.21 Correlate Data
- 8.7.22 Disseminate Data
- 8.7.27 Retrieve Data
- 8.7.39 Aggregate Data
- 8.7.50 Discover Data

**DTSS**

- 1.1.1 Receive and Process Signals
- 1.3.3 Detect Natural Obstacles
- 1.3.4 Detect Man-made Obstacles
- 1.3.5 Detect Mines
- 1.4.5 Manage Sensors
- 1.3.6 Detect Unexploded Ordnance
- 1.3.7 Sense Threat
- 1.4.13 Generate Sensor Tasking
- 1.3.14 Detect and Report Impediments
- 1.1.14 Receive MTI Data
- 1.3.15 Detect IEDs
- 1.3.16 Detect Booby Traps
- 1.3.18 Detect Population Obstacles
- 1.4.25 Correlate JISR Resources
- 1.4.26 Manage JISR Resources
- 2.2 Combat Identification - Group
- 2.1 Perform Tracking - Group
- 2.2.1 Determine Combat Identification
- 2.1.1 Form Tracks
- 2.1.2 Develop Association Hypothesis
- 2.1.4 Process Ground Moving Target Indicator (GMTI)
- 2.1.5 Exploit Moving Target Indicator Information
- 2.1.6 Track Blue Forces
- 2.2.8 Determine Composite ID
- 2.2.9 Determine Comprehensive Track ID
- 2.1.10 Associate Tracks
- 2.2.10 Determine Discrete ID
- 2.1.11 Filter Track Report

## UNCLASSIFIED FOUO

- 2.2.12 Determine Identification Based on Associations
- 2.1.13 Register Data
- 2.2.19 Associate Blue Forces in Proximity to Target
- 2.1.20 Associate Multi-Sensor Data
- 2.1.27 Extract Feature
- 2.1.28 Monitor Track Safe Return or Passage
- 2.1.29 Update Target, Intelligence, and System Profiles
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
  - 3.2.1 Generate Common Operational Picture
  - 3.5.2 Update Resource Information
  - 3.2.2 Generate Common Tactical Picture
  - 3.5.3 Analyze Transportation Asset Visibility
  - 3.4.3 Receive, Store and Maintain Geospatial Product Information
  - 3.2.3 Generate Battle Damage Scene
  - 3.3.4 Display Interference Alerts
  - 3.2.4 Update COP Display
  - 3.4.5 Maintain Shared Situational Awareness
  - 3.2.7 Identify Weapons Free Zones
  - 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
  - 3.5.8 Access Unit Readiness and Logistics Reports
  - 3.2.9 Configure, Edit, and Display No-Fly Zones
  - 3.4.10 Integrate Information on Potential Adversary COA
  - 3.2.10 Configure, Edit, and Display Restricted Navigation Zones
  - 3.4.11 Translate and Distribute Commanders Intent
  - 3.2.12 Maintain and Display Force Disposition Displays
  - 3.2.14 Maintain and Display Unit and Platform Status Information
  - 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
  - 3.2.16 Provide OPLAN Visibility
  - 3.2.17 Generate Unit and Platform Availability
  - 3.2.18 Display Geospatial Information Overlay
  - 3.2.20 Display Resource Movement
  - 3.2.26 Track Engagement Status
  - 3.2.27 Provide Geospatial Coordinates
- 4.3 Analyze Operational Environment - Group
  - 4.1 Analyze Natural Environmental Impacts - Group
    - 4.2.1 Assess Environment
    - 4.7.1 Analyze Target Areas
      - 4.1.1 Analyze Terrain
      - 4.2.2 Perform Natural Environmental & Topographical Analysis

## UNCLASSIFIED FOUO

- 4.3.2 Identify Threat Courses of Action (COA)
- 4.1.2 Analyze Atmospheric and Weather Impacts
- 4.5.2 Evaluate Intelligence
- 4.5.3 Estimate Extent of Collateral Damage
- 4.7.3 Review Restricted Target List
- 4.8.3 Determine Platform-Target Weapon Pairing
- 4.2.4 Assess Meteorological and Oceanographic (METOC) Conditions
- 4.8.4 Evaluate and Assess Engagement Effectiveness
- 4.3.4 Identify Weapon Danger Zones
- 4.7.4 Update High Value Target (HVT) List
- 4.8.6 Analyze COAs
- 4.6.6 Analyze Blue Force Vulnerability
- 4.6.7 Determine Enemy Courses of Action (COA)
- 4.7.7 Create High Value Target (HVT) List
- 4.3.8 Evaluate Mission
- 4.6.8 Determine Force Movement
- 4.6.10 Conduct Assessment of Adversary Strengths and Vulnerability vs. Own
- 4.8.11 Assess Threats
- 4.8.12 Assess Landing Alternatives and Surrounding Situational Awareness
- 4.3.12 Analyze and Filter Fusion Product Information
- 4.8.13 Integrate Fires and Maneuvers Guidance
- 4.6.14 Calculate Probabilities for Potential Actions
- 4.8.17 Correlate Events
- 4.3.18 Assess Effect
- 4.3.22 Assess Battle Damage
- 4.6.23 Analyze Vulnerability
- 4.6.25 Predict Enemy Intent
- 4.6.27 Determine Time to Complete the Mission
- 4.6.33 Project Ground Track Prediction
- 5.1 Create and Revise Plans - Group
- 5.3 Rehearse Mission - Group
- 5.1.1 Generate New or Revised Plan
- 5.5.1 Identify Weapon Control Parameters
- 5.3.1 Conduct Mission Rehearsal
- 5.1.2 Enter and Update Commander's Critical Information Requirements (CCIRs)
- 5.4.2 Support Asset Tasking
- 5.3.2 Generate Enemy Scenarios
- 5.3.4 Simulate COAs
- 5.1.5 Generate Ingress and Egress Plans

## UNCLASSIFIED FOUO

- 5.1.6 Generate Coordinated Flight and Terminal Seeker Operation Plan
- 5.3.6 Model and Simulate Scenarios
- 5.1.12 Create Attack Plans
- 5.1.14 Create Maneuver Plans
- 5.1.16 Develop Deconfliction Plan
- 5.1.17 Create Collection Plans
- 5.1.18 Conduct Information Assurance Planning
- 5.1.22 Create Target & Threat Plans
- 5.1.25 Create Vehicle Maneuver Plan
- 5.1.28 Create Flight Plans
- 5.1.29 Generate Weapon Navigation and Flight Plan
- 5.1.31 Create Updated Flight Plans
- 5.1.35 Update Communications Network Plan
- 5.1.36 Create Commanders Guidance
- 5.1.37 Update Commanders Guidance
- 5.1.38 Create Staff Estimate
- 5.1.39 Update Staff Estimate
- 5.1.40 Record Priority Intelligence Requirements
- 5.1.42 Update Information Assurance Plan
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.51 Conduct Force Planning
- 5.1.58 Create Shaping Plan
- 5.1.61 Plan COA: Zone, Area, Route
- 5.1.63 Conduct Medical Planning
- 6.2.1 Provide Re-attack Recommendation
- 6.1.1 Coordinate Mission Execution
- 6.3.3 Execute Engagement
- 6.1.4 Employ Combat Assessment and BDA - Support Assets
- 6.1.5 Execute Tactical Fires and Maneuver Plan
- 6.2.6 Certify Track Data Availability
- 6.2.10 Recommend Maneuvers to Avoid Interference
- 6.2.12 Define Attack Guidance
- 6.1.13 Employ Obscurants
- 6.2.13 Update Attack Guidance
- 6.1.14 Coordinate and Execute Selected COA
- 6.2.15 Recommend Unit Maneuvers
- 6.1.16 Allocate Troop and Cargo Transport
- 6.1.28 Employ Electronic Counter-Counter Measures

## UNCLASSIFIED FOUO

- 6.2.38 Generate Mission Change Request
- 6.2.47 Determine Electronic Attack Countermeasure
- 7.2.2 Transmit Weapons Recommendations
- 7.2.3 Transmit Engagement Orders
- 7.2.5 Receive Mission Update
- 7.1.5 Transfer Data via Packet Switching
- 7.2.6 Transmit Coverage Plan
- 7.1.6 Track Requests for Information
- 7.1.7 Transfer Data
- 7.1.8 Transfer Data via a Virtual Circuit
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.2.10 Transmit Configuration Orders
- 7.1.10 Transfer Data via Circuit Switching
- 7.1.11 Transfer Information Over Multiple Channels Simultaneously
- 7.1.12 Transfer File
- 7.2.12 Communicate Status
- 7.2.18 Communicate Geodesy Data
- 7.2.21 Transmit Sense Data
- 7.2.29 Transmit Measurement Data
- 7.2.30 Transmit Track Data
- 7.1.74 Perform Interference Analysis
- 7.1.96 Transmit or Receive Information
- 7.1.97 Transmit in Variety of Waveforms
- 8.2 Provide Information Assurance - Group
- 8.7.1 Manage Data Infrastructure
- 8.11.1 Fuse Data
- 8.2.1 Perform Network Information Assurance
- 8.12.2 Initiate Collaboration
- 8.7.2 Manage General Information
- 8.8.2 Authorize User Roles and Services
- 8.5.2 Transmit Data on Established Path
- 8.2.2 Detect Security Events
- 8.10.3 Display Data
- 8.12.3 Perform Collaboration
- 8.7.4 Analyze Data
- 8.8.4 Monitor and Adapt User Interface
- 8.4.4 Perform Desktop Publishing
- 8.7.5 Translate Data

## UNCLASSIFIED FOUO

- 8.8.5 Assign Roles and Priviledges
- 8.3.5 Establish Circuit
- 8.8.6 Maintain and Create User Profile
- 8.3.6 Establish Connectionless Network Services
- 8.7.6 Update Data
- 8.3.7 Establish Node Associations
- 8.2.8 Encrypt Data
- 8.7.9 Sort Data
- 8.7.10 Filter Information
- 8.2.10 Monitor Network Security
- 8.1.10 Receive Request for Information
- 8.10.12 Provide Light Discipline for User
- 8.10.13 Control Refresh Rate
- 8.7.14 Delete Data
- 8.7.15 Transform Data
- 8.2.15 Provide Cryptographic Services
- 8.7.16 Migrate Data
- 8.10.16 Present User Defined Situational Awareness Information
- 8.1.17 Perform Data Services
- 8.7.18 Archive Data
- 8.7.19 Categorize Data
- 8.2.19 Validate User Credentials
- 8.7.20 Characterize Objects
- 8.7.21 Correlate Data
- 8.1.21 Manage Systems
- 8.7.22 Disseminate Data
- 8.2.24 Authenticate Data
- 8.5.25 Identify Electronic Attack
- 8.7.25 Register Data
- 8.7.26 Replicate Data
- 8.2.26 Configure Communications and Security Devices
- 8.7.27 Retrieve Data
- 8.7.28 Provide Database Utilities
- 8.2.28 Identify Firewall Rule Set Penetration Events
- 8.7.29 Manage Data Storage
- 8.7.30 Populate Data Repositories
- 8.5.30 Provide Network Management Hardware/Software Mechanisms
- 8.2.30 Identify Intrusion Detection System (IDS) Events
- 8.7.40 Format Data

## UNCLASSIFIED FOUO

- 8.7.42 Request Data
- 8.7.44 Mediate Data
- 8.2.44 Retain Cryptography after Power Loss
- 8.7.47 Synchronize Data
- 8.7.48 Monitor Data
- 8.7.49 Submit Information Requirements
- 8.7.50 Discover Data
- 8.7.60 Manage Enterprise Storage Resources
- 8.7.84 Perform Multilevel Security Data Filtering
- 8.7.91 Acquire Data
- 8.7.92 Provide Relevant Information
- 9.3.4 Provide Voltage Surge Protection
- 10.2.1 Schedule Distribution and Transportation
- 14.1.21 Extract Automated Feature
- 14.1.22 Correlate Image

**FBCB2**

- 1.4.3 Identify Current Platform and Sensor Tasking
- 1.4.4 Control Search Parameters
- 1.3.4 Detect Man-made Obstacles
- 1.4.5 Manage Sensors
- 1.3.6 Detect Unexploded Ordnance
- 1.3.7 Sense Threat
- 1.4.8 Protect Sensors
- 1.5.8 Integrate GPS Port Data
- 1.3.10 Detect CBRN and Carrier
- 1.3.12 Detect SIGINT Data
- 1.3.13 Detect CRBNE
- 1.4.13 Generate Sensor Tasking
- 1.4.14 Control Sensor Operating Parameters
- 1.3.14 Detect and Report Impediments
- 1.4.15 Process Source Requirements
- 1.3.15 Detect IEDs
- 1.3.16 Detect Booby Traps
- 1.4.18 Identify Current Platform and Sensor Tasking
- 1.3.18 Detect Population Obstacles
- 1.4.19 Direct and Monitor Sensor Employment
- 1.4.21 Assess Sensor Performance
- 1.4.24 Recommend UGS (Unattended Ground Sensor) Placement
- 1.4.25 Correlate JISR Resources

## UNCLASSIFIED FOUO

- 2.2.1 Determine Combat Identification
- 2.2.3 Determine Identification Based on Reference Data
- 2.2.5 Estimate Object Classification
- 2.1.6 Track Blue Forces
- 2.2.6 Execute Recognition
- 2.2.7 Declare Identification Level of Confidence
- 2.1.9 Correlate Tracks
- 2.1.29 Update Target, Intelligence, and System Profiles
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3.4.1 Display Automatic Target Recognition
- 3.5.1 Monitor Embedded Mission Readiness
- 3.2.2 Generate Common Tactical Picture
- 3.2.3 Generate Battle Damage Scene
- 3.2.4 Update COP Display
- 3.5.5 Report Unit and Platform Status
- 3.4.5 Maintain Shared Situational Awareness
- 3.3.7 Integrate Alert Sequencing Doctrine
- 3.3.8 Maintain NetOps Related Threat Assessment
- 3.5.10 Present Mission Resources Information
- 3.4.12 Collect Performance Data
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.2.17 Generate Unit and Platform Availability
- 3.4.17 Update Enemy Profiles
- 3.2.18 Display Geospatial Information Overlay
- 3.4.18 Provide Performance Data for Presentation
- 3.2.26 Track Engagement Status
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.5.1 Measure Mission Performance
- 4.6.1 Determine Engageability
- 4.8.2 Analyze Mission
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.8.3 Determine Platform-Target Weapon Pairing
- 4.8.4 Evaluate and Assess Engagement Effectiveness
- 4.7.4 Update High Value Target (HVT) List
- 4.7.5 Select & Prioritize Target
- 4.8.6 Analyze COAs
- 4.7.7 Create High Value Target (HVT) List
- 4.6.7 Determine Enemy Courses of Action (COA)
- 4.3.8 Evaluate Mission

## UNCLASSIFIED FOUO

- 4.7.8 Retain or Remove Target on or from Target List
- 4.6.8 Determine Force Movement
- 4.8.9 Identify Rules of Engagement (ROE) Cues
- 4.8.11 Assess Threats
- 4.8.12 Assess Landing Alternatives and Surrounding Situational Awareness
- 4.8.17 Correlate Events
- 4.6.17 Specify Required Effects
- 4.3.18 Assess Effect
- 4.6.23 Analyze Vulnerability
- 4.6.27 Determine Time to Complete the Mission
- 5.3.1 Conduct Mission Rehearsal
- 5.1.2 Enter and Update Commander's Critical Information Requirements (CCIRs)
- 5.4.2 Support Asset Tasking
- 5.1.3 Manage Guidance and Objectives
- 5.4.5 Determine Operational and Tactical Assets
- 5.3.6 Model and Simulate Scenarios
- 5.1.11 Create Sensor Plans
- 5.1.12 Create Attack Plans
- 5.1.25 Create Vehicle Maneuver Plan
- 5.1.37 Update Commanders Guidance
- 5.1.39 Update Staff Estimate
- 5.1.43 Modify Resupply Plan
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.49 Plan Target-Weapon Type Pairing
- 5.1.52 Create Tactical Plans/ Orders
- 5.1.54 Create Air Attack Plans
- 5.1.61 Plan COA: Zone, Area, Route
- 5.1.63 Conduct Medical Planning
- 5.1.65 Develop and Promulgate Rules of Engagement (ROE)
- 6.2.1 Provide Re-attack Recommendation
- 6.1.1 Coordinate Mission Execution
- 6.1.3 Request External Fire Support
- 6.3.3 Execute Engagement
- 6.1.4 Employ Combat Assessment and BDA - Support Assets
- 6.1.5 Execute Tactical Fires and Maneuver Plan
- 6.3.6 Provide Dismounted Target Hand-Off and Designation
- 6.2.7 Optimize Target Value vs. Weapon Value
- 6.1.7 Task Combat and Battle Damage Assessment Support Assets

## UNCLASSIFIED FOUO

- 6.2.8 Produce Engagement Schedules
- 6.3.9 Conduct Manual Engagement
- 6.3.10 Monitor Mission Engagement
- 6.1.11 Execute Collection Activities
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.2.12 Define Attack Guidance
- 6.3.12 Cancel Engagement
- 6.1.12 Destroy In Place
- 6.2.13 Update Attack Guidance
- 6.2.14 Provide Optimized Attack Solutions
- 6.1.15 Prosecute Target
- 6.3.16 Engage Target With External Source
- 6.1.19 Execute Sensor Collection
- 6.3.21 Conduct Semi-Automatic Engagement
- 6.1.22 Adjudicate Platform Initialization or Shutdown
- 6.2.25 Select Appropriate Lethal or Non-Lethal Attack System
- 6.2.28 Establish Sensor to Shooter Linkages
- 6.2.29 Synchronize Fires
- 6.2.31 Select & Prioritize Target
- 6.1.32 Request External Sensor Tasking
- 6.2.37 Manage Fire Support Information
- 6.2.46 Task or Retask Attack Assets
- 6.2.48 Task Vehicle Platform
- 7.2.3 Transmit Engagement Orders
- 7.2.5 Receive Mission Update
- 7.1.7 Transfer Data
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.2.11 Communicate Force Information
- 7.2.17 Communicate Mission Information
- 7.2.19 Maintain Routing Information
- 7.2.28 Retransmit or Cross-Band Information
- 7.1.77 Coordinate Message Delivery
- 7.1.80 Dynamically Transfer Data Based on Precedence
- 7.1.81 Automatically Select Frequency
- 7.1.96 Transmit or Receive Information
- 7.1.97 Transmit in Variety of Waveforms
- 8.7.1 Manage Data Infrastructure
- 8.6.1 Configure Network

## UNCLASSIFIED FOUO

- 8.11.1 Fuse Data
- 8.3.1 Establish Network
- 8.2.1 Perform Network Information Assurance
- 8.12.2 Initiate Collaboration
- 8.8.2 Authorize User Roles and Services
- 8.2.2 Detect Security Events
- 8.10.3 Display Data
- 8.6.3 Support Domain Waveform
- 8.12.3 Perform Collaboration
- 8.3.3 Establish and Maintain Connectivity
- 8.6.4 Provide Bandwidth
- 8.5.4 Manage Network Accounting
- 8.7.4 Analyze Data
- 8.2.4 Render Useless
- 8.1.4 Route Data
- 8.5.5 Adjust Network Resources
- 8.7.5 Translate Data
- 8.2.5 Provide Confidentiality Services
- 8.8.6 Maintain and Create User Profile
- 8.7.6 Update Data
- 8.7.7 Maintain Data Integrity
- 8.5.8 Maintain Required Quality of Service
- 8.3.8 Authenticate Wireless Network Associations
- 8.10.9 Provide Automated Interfaces to Current System Planning Tools
- 8.7.9 Sort Data
- 8.7.10 Filter Information
- 8.10.10 Provide Graphical User Interface Services
- 8.2.10 Monitor Network Security
- 8.5.11 Monitor Network Usage
- 8.2.11 Provide Identity Management Services
- 8.10.12 Provide Light Discipline for User
- 8.2.12 Provide Embedded Programmable Cryptographic Capability
- 8.10.13 Control Refresh Rate
- 8.2.13 Implement NSA or NIST Public Key Cryptography
- 8.7.14 Delete Data
- 8.6.14 Request Bandwidth Allocation
- 8.5.14 Manage Power
- 8.10.14 Identify the Need for Human-in-the-Loop Response
- 8.2.15 Provide Cryptographic Services

## UNCLASSIFIED FOUO

- 8.7.16 Migrate Data
- 8.2.16 Provide Transmission Security
- 8.2.17 Maintain Network Classification
- 8.1.17 Perform Data Services
- 8.6.18 Zeroize Channels and Keys
- 8.7.18 Archive Data
- 8.7.19 Categorize Data
- 8.2.19 Validate User Credentials
- 8.1.19 Conduct Information Management
- 8.2.20 Authorize Data Access
- 8.7.21 Correlate Data
- 8.2.21 Respond to Security Events
- 8.7.22 Disseminate Data
- 8.2.24 Authenticate Data
- 8.1.24 Assess Network
- 8.7.26 Replicate Data
- 8.2.26 Configure Communications and Security Devices
- 8.7.27 Retrieve Data
- 8.1.27 Terminate Network Connection
- 8.2.27 Handle Multiple Security Levels
- 8.7.29 Manage Data Storage
- 8.7.30 Populate Data Repositories
- 8.5.30 Provide Network Management Hardware/Software Mechanisms
- 8.7.34 Verify Data
- 8.7.35 Regulate Data Flow
- 8.2.38 Authenticate Remotely
- 8.7.40 Format Data
- 8.7.42 Request Data
- 8.1.42 Map Network Topology and Parameters
- 8.1.44 Protect Against Effects of Electromagnetic Pulse (EMP) and Directed Energy Threa
- 8.7.45 Apply Data
- 8.2.45 Invoke Zeroization Capability
- 8.7.46 Determine Data Requirements
- 8.1.46 Provide Asymmetric Network Capability
- 8.7.47 Synchronize Data
- 8.7.48 Monitor Data
- 8.7.49 Submit Information Requirements
- 8.7.50 Discover Data
- 8.7.51 Characterize Performance

## UNCLASSIFIED FOUO

- 8.7.52 Report Performance Results
- 8.1.53 Provide Over the Air Software Upgrades
- 8.1.56 Translate Name to Address
- 8.7.62 Monitor System/Resource Allocation
- 8.1.67 Manage Message Traffic
- 8.7.91 Acquire Data
- 8.7.97 Report Query Results
- 9.2.1 Perform Built-In Test (BIT)
- 9.2.3 Perform Automated System Diagnostics and Reconfiguration
- 9.3.3 Protect Against Effect of Electromagnetic Pulse (EMP) and Directed Energy Threat
- 9.2.4 Perform Network Fault Isolation and Reconfiguration
- 9.3.4 Provide Voltage Surge Protection
- 9.2.5 Monitor Faults
- 9.1.8 Schedule Preventative Maintenance Procedures
- 9.1.13 Restore Waveform
- 9.1.15 Conduct Maintenance Planning
- 9.1.17 Determine Maintenance Solution
- 9.1.18 Detect Equipment Faults
- 9.1.19 Provide On-Line Fault Isolation
- 9.1.21 Assess Equipment Faults
- 10.1.25 Conduct External Resupply Request
- 11.2.6 Detect Casualty
- 13.1.6 Evaluate Training
- 13.2.11 Perform System Training Simulation
- 13.2.15 Conduct Training Control
- 14.1.17 Evaluate Collection Results
- 14.1.18 Evaluate Intelligence Collection, Products, Reporting
- 14.1.19 Identify, Prioritize and Validate Intelligence Requirements

**FCS-BC**

- 1.1 Signal Receipt & Processing - Group
- 1.2 Perform Search - Group
- 1.4 Sensor Management - Group
- 1 SENSE - Level 1
- 1.3 Detection - Group
- 1.5 Precision Time and Navigation - Group
- 1.2.1 Search with Active Sensor
- 1.4.1 Fuse Sensor Data
- 1.1.1 Receive and Process Signals
- 1.2.2 Search with Underwater Sensor

## UNCLASSIFIED FOUO

- 1.1.2 Classify Signals
- 1.3.2 Detect Indications and Warnings
- 1.4.3 Identify Current Platform and Sensor Tasking
- 1.2.3 Search with Air Search Sensor
- 1.1.3 Process IFF Signals
- 1.3.3 Detect Natural Obstacles
- 1.2.4 Search with Surface or Ground Search Sensor
- 1.4.4 Control Search Parameters
- 1.1.4 Discriminate Objects
- 1.3.4 Detect Man-made Obstacles
- 1.2.5 Search with Passive Sensor
- 1.1.5 Estimate Multiple Objects
- 1.3.5 Detect Mines
- 1.4.5 Manage Sensors
- 1.1.6 Associate IFF Response
- 1.4.6 Coordinate Sensor Employment with Operational Plans and Employment
- 1.2.7 Interrogate Track for IFF
- 1.1.7 Register Electromagnetic Signals
- 1.3.7 Sense Threat
- 1.2.8 Search
- 1.3.8 Intercept and Register Signals
- 1.2.9 Search Selected Countermeasures Signals
- 1.4.10 Generate Sensor Coverage
- 1.3.10 Detect CBRN and Carrier
- 1.2.10 Locate Signal
- 1.4.11 Maintain Sensor Configurations
- 1.1.12 Estimate a Single Object
- 1.4.12 Characterize Sensors
- 1.3.12 Detect SIGINT Data
- 1.3.13 Detect CRBNE
- 1.4.13 Generate Sensor Tasking
- 1.1.13 Process Acoustic Sensor Data
- 1.4.14 Control Sensor Operating Parameters
- 1.3.14 Detect and Report Impediments
- 1.1.14 Receive MTI Data
- 1.1.15 Process Electro-Optical/Infrared (EO/IR) Data
- 1.4.15 Process Source Requirements
- 1.3.15 Detect IEDs
- 1.4.16 Determine Availability of Joint Force ISR Capabilities

## UNCLASSIFIED FOUO

- 1.1.16 Process RFID Tag
- 1.3.17 Detect IFF Response
- 1.4.17 Determine Time to Sensor Availability
- 1.4.18 Identify Current Platform and Sensor Tasking
- 1.3.19 Detect and Process Electronic Attack
- 1.4.19 Direct and Monitor Sensor Employment
- 1.4.20 Determine Platform and Sensor Status
- 1.1.20 Perform Signal Parametric Analysis
- 1.4.21 Assess Sensor Performance
- 1.4.22 Calculate Sensor Error or Uncertainty
- 1.4.24 Recommend UGS (Unattended Ground Sensor) Placement
- 1.4.31 Process Intelligence Surveillance and Reconnaissance (ISR) Support Requests
- 2 MANAGE TRACKING and TRACKS - Level 1
  - 2.1 Perform Tracking - Group
    - 2.1.1 Form Tracks
      - 2.2.1 Determine Combat Identification
      - 2.2.2 Determine Combat Identity
    - 2.1.2 Develop Association Hypothesis
      - 2.2.3 Determine Identification Based on Reference Data
  - 2.1.3 Manage Air Tracks
    - 2.1.4 Process Ground Moving Target Indicator (GMTI)
      - 2.2.4 Determine Track Activity and Status
      - 2.2.5 Estimate Object Classification
    - 2.1.5 Exploit Moving Target Indicator Information
      - 2.1.6 Track Blue Forces
        - 2.2.6 Execute Recognition
        - 2.2.7 Declare Identification Level of Confidence
    - 2.1.7 Qualify Track
      - 2.2.8 Determine Composite ID
    - 2.1.8 Fuse Track Measurements
      - 2.2.9 Determine Comprehensive Track ID
    - 2.1.9 Correlate Tracks
      - 2.2.10 Determine Discrete ID
    - 2.1.10 Associate Tracks
      - 2.1.11 Filter Track Report
        - 2.2.11 Identify Fused Data Track
      - 2.1.12 Coordinate Remote Track Reporting
        - 2.2.12 Determine Identification Based on Associations

## UNCLASSIFIED FOUO

- 2.1.13 Register Data
- 2.1.14 Align Tracks Geodetically
- 2.1.15 Align Tracks Relatively
- 2.2.16 Determine Organization Identification
- 2.1.16 Align Tracks through Inter-link Reference Frames
- 2.2.17 Resolve Identification Conflicts
- 2.1.17 Assign Track Number
- 2.2.18 Determine Blue Force Tracking Identification
- 2.1.18 Generate Global Track Number
- 2.2.19 Associate Blue Forces in Proximity to Target
- 2.1.19 Align Multi-Sensor Data
- 2.1.20 Associate Multi-Sensor Data
- 2.1.21 Update Existing Track
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.23 Assign Track Category
- 2.1.24 Calculate Geolocation
- 2.1.25 Estimate Track Count
- 2.1.26 Maintain Track History
- 2.1.27 Extract Feature
- 2.1.29 Update Target, Intelligence, and System Profiles
- 2.1.30 Evaluate Track Data Fusion
- 2.1.31 Fuse Track Data
- 2.1.32 Determine Line of Bearing (LOB) Point of Origin
- 3.4 CSA Data Management - Group
- 3.5 Monitor Mission Readiness - Group
- 3.3 Provide Indications, Warnings, and Alerts - Group
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3 GENERATE COMMON SITUATIONAL AWARENESS - Level 1
- 3.3.1 Provide Real-Time Threat Warning
- 3.5.1 Monitor Embedded Mission Readiness
- 3.2.1 Generate Common Operational Picture
- 3.3.2 Identify Occurrence of ISR Event
- 3.5.2 Update Resource Information
- 3.2.2 Generate Common Tactical Picture
- 3.5.3 Analyze Transportation Asset Visibility
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.5.5 Report Unit and Platform Status
- 3.3.5 Generate Alert

## UNCLASSIFIED FOUO

- 3.5.6 Access Joint Asset Information
- 3.4.6 Aggregate Events or Activities
- 3.2.6 Generate Target Coordinates
- 3.4.7 Aggregate Objects
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.4.8 Manage Prioritization of Defended Asset Information Sets
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.4.9 Aggregate and Present Blue Force Tracks
- 3.3.9 Warn of Weapons of Mass Destruction (WMD)
- 3.5.9 Monitor Force Status
- 3.4.10 Integrate Information on Potential Adversary COA
- 3.5.10 Present Mission Resources Information
- 3.4.11 Translate and Distribute Commanders Intent
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.4.12 Collect Performance Data
- 3.4.14 Manage Target Materials Information
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.5.15 Define Required Launch Platform State
- 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
- 3.4.16 Record Events for Post Operations Analysis
- 3.2.16 Provide OPLAN Visibility
- 3.2.17 Generate Unit and Platform Availability
- 3.5.17 Process Asset Specific Information Query
- 3.4.17 Update Enemy Profiles
- 3.2.18 Display Geospatial Information Overlay
- 3.4.18 Provide Performance Data for Presentation
- 3.5.18 Monitor Weapon and Ammunition Inventories
- 3.4.19 Share Information
- 3.2.20 Display Resource Movement
- 3.2.26 Track Engagement Status
- 3.2.33 Monitor In-Flight Reporting
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4 MISSION ANALYSIS - Level 1
- 4.7 Analyze Targets - Group
- 4.5 Measure Analysis Results - Group
- 4.2 Analyze Natural Environment - Group
- 4.1 Analyze Natural Environmental Impacts - Group
- 4.3 Analyze Operational Environment - Group
- 4.6 Perform Predictive Analysis - Group

## UNCLASSIFIED FOUO

- 4.8 Perform Mission Assessment - Group
- 4.3.1 Monitor Operational Situation
- 4.1.1 Analyze Terrain
- 4.5.1 Measure Mission Performance
- 4.6.1 Determine Engageability
- 4.2.1 Assess Environment
- 4.8.1 Assess Mission Effectiveness
- 4.7.1 Analyze Target Areas
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.6.2 Estimate Factors Affecting Weapon Performance
- 4.2.2 Perform Natural Environmental & Topographical Analysis
- 4.1.2 Analyze Atmospheric and Weather Impacts
- 4.8.2 Analyze Mission
- 4.7.2 Manage Target List
- 4.2.3 Analyze Meteorological Conditions
- 4.7.3 Review Restricted Target List
- 4.5.3 Estimate Extent of Collateral Damage
- 4.3.3 Analyze Operational Situation
- 4.8.3 Determine Platform-Target Weapon Pairing
- 4.6.3 Predict Situation Effects
- 4.8.4 Evaluate and Assess Engagement Effectiveness
- 4.6.4 Identify Status of Forces
- 4.7.4 Update High Value Target (HVT) List
- 4.3.4 Identify Weapon Danger Zones
- 4.2.4 Assess Meteorological and Oceanographic (METOC) Conditions
- 4.8.5 Determine Weapon Availability
- 4.7.5 Select & Prioritize Target
- 4.6.5 Prepare Deployment Estimates
- 4.3.5 Identify Target System Vulnerability
- 4.6.6 Analyze Blue Force Vulnerability
- 4.8.6 Analyze COAs
- 4.7.6 Predict Target Future Movements
- 4.3.6 Estimate Enemy Capability Levels
- 4.6.7 Determine Enemy Courses of Action (COA)
- 4.3.7 Evaluate Operational Environment
- 4.8.7 Analyze Potential Air or Space Conflicts
- 4.7.7 Create High Value Target (HVT) List
- 4.8.8 Assess Force Readiness
- 4.7.8 Retain or Remove Target on or from Target List

## UNCLASSIFIED FOUO

- 4.6.8 Determine Force Movement
- 4.3.8 Evaluate Mission
- 4.8.9 Identify Rules of Engagement (ROE) Cues
- 4.7.9 Determine Object Probable Location
- 4.6.9 Calculate Weapons Performance
- 4.8.10 Assess Warfighting Resources
- 4.7.10 Identify Time Sensitive Targets
- 4.6.10 Conduct Assessment of Adversary Strengths and Vulnerability vs.Own
- 4.8.11 Assess Threats
- 4.7.11 Determine Target Offset and Location
- 4.6.11 Estimate Extent of Target Damage or Destruction
- 4.7.12 Recommend Target for Nomination
- 4.3.12 Analyze and Filter Fusion Product Information
- 4.6.12 Estimate Weapons Effectiveness
- 4.8.12 Assess Landing Alternatives and Surrounding Situational Awareness
- 4.7.13 Enter, Edit, or Delete Target Criteria
- 4.6.13 Determine Accessibility of Attack System to Target
- 4.3.13 Manage Pattern Analysis Engine Controls
- 4.8.13 Integrate Fires and Maneuvers Guidance
- 4.6.14 Calculate Probabilities for Potential Actions
- 4.3.14 Manage Pattern Model Generation
- 4.6.15 Determine Best Positioning for Access to the Adversary
- 4.3.15 Generate Multiple Image View Analysis
- 4.3.16 Analyze Effects
- 4.3.17 Assess Battle Damage in Real-Time
- 4.6.17 Specify Required Effects
- 4.8.17 Correlate Events
- 4.3.18 Assess Effect
- 4.8.18 Assess Achievement of Planned Effects
- 4.6.18 Predict Sensor Performance and Calculate Sensor Coverage
- 4.3.19 Evaluate Effects of Electronic Warfare (EW)
- 4.6.19 Specify Collateral Damage Considerations
- 4.8.20 Analyze Resource Tasking and Control
- 4.3.20 Analyze Effects (value)
- 4.6.20 Select Best Attack Asset
- 4.6.21 Calculate Probability of Engagement Effectiveness
- 4.8.21 Assess Air Battle Impact
- 4.3.21 Analyze Effects (value)
- 4.8.22 Assess Space Battle Impact

## UNCLASSIFIED FOUO

- 4.3.22 Assess Battle Damage
- 4.6.22 Calculate Hit Probability Relative to Target Location Error
- 4.6.23 Analyze Vulnerability
- 4.3.23 Assess Damage Reports
- 4.8.24 Evaluate Feedback
- 4.3.24 Assess Combat Performance
- 4.6.24 Evaluate Potential Targets
- 4.6.25 Predict Enemy Intent
- 4.8.25 Exploit Intelligence
- 4.8.26 Assess from Multiple Perspectives
- 4.6.26 Prevent Resource Failures
- 4.6.27 Determine Time to Complete the Mission
- 4.6.28 Generate CBRN Avoidance Area Prediction
- 4.6.29 Generate Environmental Prediction
- 4.6.30 Create Dynamically Predictive Plans
- 4.6.31 Predict Joint Asset Shortfall
- 4.6.32 Predict Weapon System Readiness Trend
- 4.6.33 Project Ground Track Prediction
- 4.6.34 Refine Aim Point Location
- 4.6.35 Predict Intercept
- 4.6.36 Predict ISR Collection Requirements
- 4.6.37 Predict Airborne Dispersion
- 4.6.38 Predict Oceanographic Dispersion
- 4.6.39 Project Tracks Future Position
- 4.6.40 Generate Attack Window
- 5.1 Create and Revise Plans - Group
- 5 MISSION PLANNING - Level 1
- 5.4 Assign and Delegate Mission Requirement - Group
- 5.2 Review Plans - Group
- 5.5 Identify Planning Requirement Factors - Group
- 5.3 Rehearse Mission - Group
- 5.1.1 Generate New or Revised Plan
- 5.3.1 Conduct Mission Rehearsal
- 5.5.1 Identify Weapon Control Parameters
- 5.4.1 Assign Coverage
- 5.2.1 Retrieve Higher Level Guidance
- 5.1.2 Enter and Update Commander's Critical Information Requirements (CCIRs)
- 5.4.2 Support Asset Tasking
- 5.3.2 Generate Enemy Scenarios

## UNCLASSIFIED FOUO

- 5.5.2 Determine Force Requirements
- 5.1.3 Manage Guidance and Objectives
- 5.4.3 Map Force Composition to Requirements
- 5.5.3 Develop Event Template
- 5.3.3 Generate Logistics Scenarios
- 5.1.4 Create Network Plans
- 5.5.4 Establish Force Reporting Criteria Responsibilities
- 5.3.4 Simulate COAs
- 5.4.4 Allocate Air Defense Systems
- 5.1.5 Generate Ingress and Egress Plans
- 5.3.5 Provide Exercise Functions
- 5.5.5 Establish Force Reporting Procedures
- 5.4.5 Determine Operational and Tactical Assets
- 5.1.6 Generate Coordinated Flight and Terminal Seeker Operation Plan
- 5.5.6 Generate & Validate CCIR (PIR, FFIR, EEFI)
- 5.4.6 Allocate Platform to Mission
- 5.3.6 Model and Simulate Scenarios
- 5.3.7 Provide Experimentation Functions
- 5.4.7 Coordinate Plans and Tasking with Other Components
- 5.1.8 Manage Policies
- 5.4.8 Generate Space Tasking Order Message
- 5.3.8 Generate Wargaming Scenarios
- 5.1.9 Interpret Supplemental Rules of Engagement (SROE) and Rules of Engagement
- 5.4.9 Assign Assets/Resources
- 5.1.10 Generate Input to Missions Plans
- 5.4.10 Generate Air Tasking Order Message
- 5.1.11 Create Sensor Plans
- 5.4.11 Analyze Host Nation/Commercial Asset Visibility and Availability
- 5.1.12 Create Attack Plans
- 5.4.12 Analyze Theater Supply and Service Units
- 5.1.13 Create Weapons Plans
- 5.4.13 Determine Targeting Asset Requirements
- 5.1.14 Create Maneuver Plans
- 5.4.14 Determine Time Requirements Given Mensuration Parameters
- 5.1.15 Create Strategic Plans
- 5.1.16 Develop Deconfliction Plan
- 5.1.17 Create Collection Plans
- 5.1.18 Conduct Information Assurance Planning
- 5.1.19 Create Space Battle Plans

## UNCLASSIFIED FOUO

- 5.1.20 Generate Correction or Contingency Plans
- 5.1.21 Create Water Space Utilization Plans
- 5.1.22 Create Target & Threat Plans
- 5.1.23 Generate Weapon Terminal Guidance Plan
- 5.1.24 Format and Integrate Terminal Guidance Plan
- 5.1.25 Create Vehicle Maneuver Plan
- 5.1.26 Create Air Defense Plans
- 5.1.27 Create Air Battle Plans
- 5.1.28 Create Flight Plans
- 5.1.29 Generate Weapon Navigation and Flight Plan
- 5.1.30 Plan and Evaluate Airspace Control Measures
- 5.1.31 Create Updated Flight Plans
- 5.1.32 Format and Integrate In-Flight Weapon Plan
- 5.1.35 Update Communications Network Plan
- 5.1.36 Create Commanders Guidance
- 5.1.37 Update Commanders Guidance
- 5.1.38 Create Staff Estimate
- 5.1.39 Update Staff Estimate
- 5.1.40 Record Priority Intelligence Requirements
- 5.1.43 Modify Resupply Plan
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.46 Develop CONOPS
- 5.1.47 Develop Initial Alternative Courses of Action
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.49 Plan Target-Weapon Type Pairing
- 5.1.50 Draft Warning Order
- 5.1.51 Conduct Force Planning
- 5.1.52 Create Tactical Plans/ Orders
- 5.1.53 Create Information Operations (IO) Plan
- 5.1.54 Create Air Attack Plans
- 5.1.55 Create CBR Defense Plans
- 5.1.56 Generate Enemy Order of Battle (EOB)
- 5.1.57 Build Information Dissemination Delivery Plan
- 5.1.58 Create Shaping Plan
- 5.1.59 Generate In-Flight Weapon Plan Changes
- 5.1.60 Modify Medical Plan
- 5.1.61 Plan COA: Zone, Area, Route
- 5.1.62 Deconflict the Airspace

## UNCLASSIFIED FOUO

- 5.1.63 Conduct Medical Planning
- 5.1.64 Create Flight Schedules
- 5.1.65 Develop and Promulgate Rules of Engagement (ROE)
- 6.2 Decision - Group
- 6.1 Manage Platforms and Systems - Group
- 6 MISSION EXECUTION - Level 1
- 6.3.1 Generate Engagement Orders
- 6.2.1 Provide Re-attack Recommendation
- 6.1.1 Coordinate Mission Execution
- 6.3.2 Process Engagement Orders
- 6.2.2 Optimize Configuration
- 6.1.3 Request External Fire Support
- 6.2.3 Develop Targets
- 6.3.3 Execute Engagement
- 6.1.4 Employ Combat Assessment and BDA - Support Assets
- 6.3.4 Configure Weapons
- 6.2.4 Determine Attack Window
- 6.1.5 Execute Tactical Fires and Maneuver Plan
- 6.2.5 Calculate Weapon Delivery
- 6.3.5 Control Munitions
- 6.3.6 Provide Dismounted Target Hand-Off and Designation
- 6.1.6 Direct Unit Maneuvers
- 6.2.6 Certify Track Data Availability
- 6.1.7 Task Combat and Battle Damage Assessment Support Assets
- 6.2.7 Optimize Target Value vs. Weapon Value
- 6.2.8 Produce Engagement Schedules
- 6.1.8 Source and Coordinate Preferred COA
- 6.3.8 Monitor Weapon Status
- 6.1.9 Control Mission
- 6.3.9 Conduct Manual Engagement
- 6.1.10 Order Deployment of Coordinated Strike Forces
- 6.2.10 Recommend Maneuvers to Avoid Interference
- 6.3.10 Monitor Mission Engagement
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.1.11 Execute Collection Activities
- 6.3.11 Integrate Rules of Engagement (ROE)
- 6.2.12 Define Attack Guidance
- 6.1.12 Destroy In Place
- 6.3.12 Cancel Engagement

## UNCLASSIFIED FOUO

- 6.1.13 Employ Obscurants
- 6.2.13 Update Attack Guidance
- 6.1.14 Coordinate and Execute Selected COA
- 6.3.14 Locate Target
- 6.2.14 Provide Optimized Attack Solutions
- 6.1.15 Prosecute Target
- 6.3.15 Conduct Automatic Engagement
- 6.2.15 Recommend Unit Maneuvers
- 6.1.16 Allocate Troop and Cargo Transport
- 6.3.16 Engage Target With External Source
- 6.1.17 Direct Battle Plan Execution
- 6.2.17 Process Air Support Request
- 6.1.18 Generate Coverage Orders
- 6.2.18 Generate Mission Change Order
- 6.3.19 Illuminate Target
- 6.1.19 Execute Sensor Collection
- 6.2.19 Process Engagement Orders
- 6.3.20 Perform Electronic Attack
- 6.2.20 Determine System Configuration
- 6.1.20 Position System
- 6.2.21 Dynamically Deconflict Engagement
- 6.3.21 Conduct Semi-Automatic Engagement
- 6.1.21 Coordinate Mission Weapon Employment
- 6.1.22 Adjudicate Platform Initialization or Shutdown
- 6.2.22 Deconflict Fire Mission
- 6.3.22 Supply Terminal Guidance Reference Data
- 6.2.23 Create Movement Orders
- 6.1.23 Control Emission Control (EMCON) Operations
- 6.2.24 Generate Tactical Parameter Orders
- 6.1.24 Maintain Weapons Release Condition Status
- 6.2.25 Select Appropriate Lethal or Non-Lethal Attack System
- 6.1.25 Manage Weapon Hand-Over
- 6.2.26 Synchronize Tactics and Engagement Assignments
- 6.1.26 Generate Orders to Align System Parameters
- 6.1.27 Direct Maneuvers
- 6.2.27 Task or Re-task Targeting Assets
- 6.2.28 Establish Sensor to Shooter Linkages
- 6.1.29 Designate Track
- 6.2.29 Synchronize Fires

## UNCLASSIFIED FOUO

- 6.2.30 Resolve Battlespace Conflicts
- 6.1.30 Convert Sensor Asset Requests into Sensor Control Orders
- 6.2.31 Select & Prioritize Target
- 6.1.31 Process Sensor Collection Requests
- 6.2.32 Assign System Coverage
- 6.1.32 Request External Sensor Tasking
- 6.2.33 Adjust Engagement Schedules
- 6.2.34 Compute Fire Control Solution
- 6.2.35 Evaluate Weapons Intercept Volume
- 6.2.36 Generate Engagement Decision Response
- 6.2.37 Manage Fire Support Information
- 6.2.38 Generate Mission Change Request
- 6.2.40 Request Waiver to Rules of Engagement (ROE)
- 6.2.41 Select Air-to-Surface
- 6.2.42 Select Surface-to-Air
- 6.2.43 Select Surface-to-Surface
- 6.2.44 Determine Engagement Options and Generate Weapons Employment
- 6.2.45 Compute Time-To-Target or Time-On-Target
- 6.2.46 Task or Retask Attack Assets
- 6.2.48 Task Vehicle Platform
- 7 COMMUNICATIONS - Level 1
- 7.1 Provide Ability to Communicate - Group
- 7.1.3 Employ Conference Communications Services
- 7.1.19 Select Message
- 7.1.23 Notify User of Message Arrival
- 7.1.24 Manage E-Mail
- 7.1.44 Conduct Video Conferencing
- 7.1.50 Translate Foreign Languages
- 7.1.55 Manage Messaging Services
- 7.1.56 Provide Shared Audio Visualization Capabilities
- 7.1.59 Translate Text to Speech
- 8.1 Provide Human Machine Interface - Group
- 8.11 Fuse Network Data - Group
- 8.5 Operate/Maintain Network - Group
- 8.8 Perform User Management Services - Group
- 8.12 Enterprise Collaboration Services
- 8.1 Network Services - Group
- 8.4 IT Computing Services - Group
- 8 ENTERPRISE IT/NETWORK INFRASTRUCTURE - Level 1

## UNCLASSIFIED FOUO

- 8.12.1 Manage Collaboration Activities
- 8.8.1 Customize User Management
- 8.10.1 Integrate Human Machine Interface
- 8.1.1 Provide Network Services
- 8.4.1 Create and Edit Messages
- 8.3.1 Establish Network
- 8.12.2 Initiate Collaboration
- 8.3.2 Dynamically Configure or Reconfigure Network
- 8.12.3 Perform Collaboration
- 8.10.3 Display Data
- 8.3.3 Establish and Maintain Connectivity
- 8.8.4 Monitor and Adapt User Interface
- 8.12.4 Allocate and Manage Collaboration Communications
- 8.7.4 Analyze Data
- 8.3.4 Establish Wireless Battleforce Network
- 8.8.5 Assign Roles and Priviledges
- 8.10.5 Provide Feedback on User Input and Actions
- 8.12.5 Terminate Collaboration
- 8.12.6 Conduct Decision Process Collaboration
- 8.8.6 Maintain and Create User Profile
- 8.4.6 Support Web Browsing
- 8.1.6 Support Communication
- 8.12.7 Manage Collaboration Resources
- 8.7.7 Maintain Data Integrity
- 8.12.8 Determine Collaboration Resource Availability
- 8.10.8 Provide Network Manager Human System Integration
- 8.12.9 Provide Common Workspace
- 8.8.9 Request Account for Enterprise Information Environment
- 8.7.9 Sort Data
- 8.10.10 Provide Graphical User Interface Services
- 8.8.10 Request Service Subscription or Change to Service Subscription
- 8.7.10 Filter Information
- 8.4.10 Generate Displays
- 8.10.11 Provide Data Entry Interface
- 8.1.11 Provide Message Services
- 8.10.12 Provide Light Discipline for User
- 8.8.12 Log Operator Activity
- 8.10.14 Identify the Need for Human-in-the-Loop Response
- 8.10.15 Provide Human Performance

## UNCLASSIFIED FOUO

- 8.10.16 Present User Defined Situational Awareness Information
- 8.10.17 Provide Decision Matrix
- 8.1.17 Perform Data Services
- 8.1.20 Manage Network Functions
- 8.4.20 Provide Streaming Video
- 8.7.21 Correlate Data
- 8.2.21 Respond to Security Events
- 8.4.21 Process Imagery
- 8.4.22 View Documents
- 8.4.25 Generate Data Analysis Menu Screens
- 8.2.28 Identify Firewall Rule Set Penetration Events
- 8.4.28 Provide Dialogue Support Services
- 8.4.29 Provide Display Object Services
- 8.4.33 Provide Printing Services
- 8.5.33 Scan Mailbox
- 8.4.35 Window Management Services
- 8.7.39 Aggregate Data
- 8.4.40 Generate Reports
- 8.2.40 Implement Firewall Protection
- 8.4.41 Manage Reports
- 8.2.41 Provide Audit Services
- 8.1.52 Provide Mobile User Location History
- 8.7.53 Access Subject Matter Expert & Essential Information
- 8.1.66 Provide Shared Conference Window User Screens
- 8.7.80 Store Cultural Convention Services
- 8.7.86 Analyze and Organize Data
- 8.7.95 Search Unstructured Data
- 8.7.97 Report Query Results
- 9 SYSTEM TEST, MAINTENANCE, AND PROTECTION - Level 1
- 9.1 System Maintenance - Group
- 9.2 System Test - Group
- 9.1.1 Estimate Equipment Reliability
- 9.2.1 Perform Built-In Test (BIT)
- 9.1.2 Track Maintenance Trouble Reports
- 9.2.3 Perform Automated System Diagnostics and Reconfiguration
- 9.1.3 Analyze Theater Maintenance Repair Unit Visibility
- 9.1.5 Integrate Maintenance and Operations Schedules
- 9.1.6 Manage Service Requests
- 9.2.6 Isolate Equipment Fault

## UNCLASSIFIED FOUO

- 9.1.7 Plan Maintenance Part and Material Requirements
- 9.1.8 Schedule Preventative Maintenance Procedures
- 9.1.9 Determine Maintenance Personnel Availability
- 9.1.12 Maintain Parts Information
- 9.1.14 Modify Maintenance Plan
- 9.1.15 Conduct Maintenance Planning
- 9.1.17 Determine Maintenance Solution
- 9.1.18 Detect Equipment Faults
- 9.1.19 Provide On-Line Fault Isolation
- 9.1.20 Track Maintenance Repairs
- 9.1.21 Assess Equipment Faults
- 9.1.22 Predict Equipment Faults
- 9.1.23 Perform Diagnostic Testing
- 9.1.24 Track Fault Data
- 9.1.25 Order Scheduled and Unscheduled Maintenance
- 9.1.26 Provide Preventive Maintenance Requirements Instructions
- 10.1 Supply Chain Management - Group
- 10.2 Transportation - Group
- 10 LOGISTICS - Level 1
- 10.2.1 Schedule Distribution and Transportation
- 10.1.3 Identify Catalog Item by Serial Numbers
- 10.1.4 Process Issue of Goods
- 10.1.5 Track Inventory
- 10.1.6 Register Receipt of Goods
- 10.1.7 Manage Receipt and Acceptance of Goods Transactions
- 10.1.8 Create/Change Orders and Deliveries
- 10.1.9 Perform Lifecycle Asset Accountability
- 10.1.12 Analyze Theater Commercial Supply Availability
- 10.1.13 Forecast Future Consumption Requirements
- 10.1.14 Track Fuel Inventory
- 10.1.15 Manage Inventory
- 10.1.16 Manage Receivables
- 10.1.17 Process Subsequent Delivery
- 10.1.18 Predict Asset Re-supply Requirements
- 10.1.19 Transfer and Allocate Assets
- 10.1.20 Manage Catalog Item Availability
- 10.1.21 Track Order Status
- 10.1.23 Process Warfighter Supply Needs Entry
- 10.1.24 Automatically Detect Supply Needs

## UNCLASSIFIED FOUO

- 10.1.25 Conduct External Resupply Request
- 10.1.28 Catalog and Identify System Parts
- 10.1.29 Manage and Track Fuel Distribution
- 11 MEDICAL - Level 1
  - 11.1 Accommodate Medical Patients - Group
  - 11.2 Manage Medical Information - Group
    - 11.1.1 Modify Medical Plan
    - 11.3.2 Identify Means of Medical Evacuation
    - 11.2.2 Maintain Patient Health Status
    - 11.2.3 Provide Blood Availability Status
    - 11.1.3 Assign Appropriate Medical Facilities
    - 11.2.4 Review and Report Individual Health Readiness
    - 11.2.5 Interface with Defense Medical Logistics Support System (DMLSS)
    - 11.2.6 Detect Casualty
    - 11.2.7 Provide Global Patient Status Visibility
    - 11.3.7 Identify Medical Asset Status
    - 11.3.8 Identify Medical Asset Capabilities
    - 11.3.10 Conduct Medical Planning
- 12 PERSONNEL SUPPORT - Level 1
  - 12.1 Manage Job and Employee Information - Group
    - 12.1.2 Process Individual Personnel Queries
    - 12.1.3 Manage Personnel Development Data
    - 12.1.4 Maintain Workforce Directory
    - 12.1.5 Maintain Personnel Skills Inventory Database
    - 12.1.6 Generate Human Resources Reports
    - 12.1.7 Generate and Maintain Personnel Qualification and Requirements Catalog
    - 12.1.8 Create Employee Profiles
    - 12.1.9 Provide Operational Personnel Status
    - 12.1.10 Aggregate Personnel Data
    - 12.1.12 Perform Personnel Management
- 13 TRAINING- Level 1
  - 13.2 System Training Operations - Group
    - 13.1 Operational and Exercise Training - Group
    - 13.3 Administrative Management of Training - Group
      - 13.2.1 Tag Training Tracks
      - 13.3.1 Track Training Equipment
        - 13.1.1 Generate Training Reports
        - 13.1.2 Perform Training Exercise
      - 13.3.2 Generate and Manage Curriculum Content

## UNCLASSIFIED FOUO

- 13.2.2 Assess Training Engagement
- 13.1.3 Evaluate Course Effectiveness
- 13.2.3 Update Training Situational Awareness
- 13.3.3 Schedule Training Courses
- 13.1.4 Manage Unit Training
- 13.3.4 Schedule Training Resources
- 13.2.4 Manually Alter Training Events
- 13.2.5 Perform Embedded Training
- 13.1.5 Create Exercise Plan
- 13.3.5 Generate Student Schedules
- 13.2.6 Commence Embedded Training
- 13.1.6 Evaluate Training
- 13.3.6 Maintain Course Enrollment Data
- 13.3.7 Allocate Training Resources
- 13.2.7 Terminate Embedded Training
- 13.2.8 Pause Embedded Training
- 13.3.8 Maintain Attendance and Completion Records
- 13.3.9 Control On-line Registration and Quota Management
- 13.2.9 Return to Training
- 13.3.10 Monitor and Track Curriculum Accreditation Requirements
- 13.2.10 Perform System Training Stimulation
- 13.3.11 Register Curriculum
- 13.2.11 Perform System Training Simulation
- 13.3.12 Manage Resources
- 13.2.12 Perform Training Event Playback and Analysis
- 13.2.13 Set System Safeties for Training
- 13.3.13 Integrate Course and Syllabus
- 13.3.14 Maintain Training Records
- 13.2.14 Conduct Individual Computer Generated Instruction
- 13.2.15 Conduct Training Control
- 13.3.15 Determine Curriculum Requirements
- 13.3.16 Track Student Certifications and Qualifications
- 13.3.17 Maintain Student Information
- 13.3.18 Maintain Faculty Information
- 13.3.19 Track Student Progress
- 13.3.20 Screen Students
- 13.3.21 Maintain Instructor Qualifications
- 13.3.22 Determine Resource Requirements
- 13.3.23 Develop Long Range Training Planning Calendar

## UNCLASSIFIED FOUO

- 13.3.24 Develop Quarterly Training Guidance Plan
- 13.3.25 Develop Short Range Planning Calendar
- 13.3.26 Develop Unit Training Schedule
- 14.1 Intelligence Data Processing - Group
- 14 INTELLIGENCE - Level 1
- 14.1.1 Collect and Process SIGINT
- 14.1.2 Collect and Process IMINT Data
- 14.1.3 Collect and Process MASINT Data
- 14.1.4 Receive and Process HUMINT Data
- 14.1.5 Collect and Process Video Sensor Data
- 14.1.6 Process Intelligence Data
- 14.1.7 Manage Images
- 14.1.8 Rectify Image
- 14.1.10 Parse HUMINT Report
- 14.1.11 Disseminate Intelligence Products
- 14.1.12 Fuse Single-Source Intelligence Data
- 14.1.13 Fuse Multi-Source Intelligence Data
- 14.1.14 Manage HUMINT Dossier
- 14.1.15 Manage HUMINT Sources
- 14.1.16 Disseminate High Priority Tactical SIGINT Report
- 14.1.17 Evaluate Collection Results
- 14.1.28 Disseminate Tactical SIGINT Report

**GALE-LITE**

- 1.1.1 Receive and Process Signals
- 1.4.1 Fuse Sensor Data
- 1.1.2 Classify Signals
- 1.3.2 Detect Indications and Warnings
- 1.1.14 Receive MTI Data
- 2.1.4 Process Ground Moving Target Indicator (GMTI)
- 2.1.5 Exploit Moving Target Indicator Information
- 2.2.11 Identify Fused Data Track
- 2.1.31 Fuse Track Data
- 3.2.1 Generate Common Operational Picture
- 3.4.1 Display Automatic Target Recognition
- 3.3.1 Provide Real-Time Threat Warning
- 3.2.2 Generate Common Tactical Picture
- 3.3.2 Identify Occurrence of ISR Event
- 3.2.3 Generate Battle Damage Scene
- 3.4.3 Receive, Store and Maintain Geospatial Product Information

## UNCLASSIFIED FOUO

- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.4.6 Aggregate Events or Activities
- 3.4.7 Aggregate Objects
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.3.10 Generate Indication and Warning (I and W) Reports
- 3.4.10 Integrate Information on Potential Adversary COA
- 3.4.14 Manage Target Materials Information
- 3.4.16 Record Events for Post Operations Analysis
- 3.4.17 Update Enemy Profiles
- 3.2.18 Display Geospatial Information Overlay
- 3.4.19 Share Information
- 3.2.27 Provide Geospatial Coordinates
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.31 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
- 4.1.1 Analyze Terrain
- 4.3.12 Analyze and Filter Fusion Product Information
- 4.3.15 Generate Multiple Image View Analysis
- 4.3.16 Analyze Effects
- 4.3.17 Assess Battle Damage in Real-Time
- 4.3.22 Assess Battle Damage
- 4.3.23 Assess Damage Reports
- 4.8.25 Exploit Intelligence
- 5.1.56 Generate Enemy Order of Battle (EOB)
- 6.2.3 Develop Targets
- 6.1.5 Execute Tactical Fires and Maneuver Plan
- 6.3.14 Locate Target
- 7.1.1 Establish Communication Networks
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.3.6 Operate In Receive-Only Mode
- 7.1.7 Transfer Data
- 7.3.8 Exchange Link-22 and TADIL A/B Data
- 7.2.30 Transmit Track Data
- 7.1.96 Transmit or Receive Information
- 8.11.1 Fuse Data
- 8.5.1 Operate Network
- 8.3.1 Establish Network
- 8.5.2 Transmit Data on Established Path
- 8.10.3 Display Data

## UNCLASSIFIED FOUO

- 8.1.10 Receive Request for Information
- 8.1.14 Provide Network Access
- 8.2.15 Provide Cryptographic Services
- 8.2.20 Authorize Data Access
- 8.6.23 Convert Data File Format
- 8.7.39 Aggregate Data
- 8.7.42 Request Data
- 8.7.60 Manage Enterprise Storage Resources
- 8.1.67 Manage Message Traffic
- 8.7.81 Store Data
- 14.1.1 Collect and Process SIGINT
- 14.1.2 Collect and Process IMINT Data
- 14.1.5 Collect and Process Video Sensor Data
- 14.1.6 Process Intelligence Data
- 14.1.7 Manage Images
- 14.1.9 Convert Image Format
- 14.1.10 Parse HUMINT Report
- 14.1.11 Disseminate Intelligence Products
- 14.1.12 Fuse Single-Source Intelligence Data
- 14.1.13 Fuse Multi-Source Intelligence Data
- 14.1.14 Manage HUMINT Dossier
- 14.1.15 Manage HUMINT Sources
- 14.1.17 Evaluate Collection Results
- 14.1.21 Extract Automated Feature
- 14.1.22 Correlate Image
- 14.1.23 Perform Imagery Coordinate Mensuration
- 14.1.24 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
- 14.1.26 Conduct Joint Intelligence Preparation of the Operational Environment

**GCCS-****A**

- 1.1 Signal Receipt & Processing - Group
- 1.3 Detection - Group
- 1.1.1 Receive and Process Signals
- 1.1.2 Classify Signals
- 1.1.3 Process IFF Signals
- 1.1.4 Discriminate Objects
- 1.1.6 Associate IFF Response
- 1.4.7 Generate National ISR Sensor Tasking
- 1.4.9 Generate Theater and External ISR Sensor Tasking
- 1.5.10 Translate Navigation Data

## UNCLASSIFIED FOUO

- 1.3.12 Detect SIGINT Data
- 1.1.12 Estimate a Single Object
- 1.3.14 Detect and Report Impediments
- 1.1.15 Process Electro-Optical/Infrared (EO/IR) Data
- 1.4.25 Correlate JISR Resources
- 1.4.26 Manage JISR Resources
- 2.2.5 Estimate Object Classification
- 2.1.6 Track Blue Forces
- 2.1.13 Register Data
- 2.1.29 Update Target, Intelligence, and System Profiles
- 2.1.30 Evaluate Track Data Fusion
- 3.5 Monitor Mission Readiness - Group
- 3.3.1 Provide Real-Time Threat Warning
- 3.5.2 Update Resource Information
- 3.5.3 Analyze Transportation Asset Visibility
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.5.5 Report Unit and Platform Status
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.5.9 Monitor Force Status
- 3.2.9 Configure, Edit, and Display No-Fly Zones
- 3.5.10 Present Mission Resources Information
- 3.4.11 Translate and Distribute Commanders Intent
- 3.4.13 Manage Airspace Control Measures
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.5.14 Confirm Asset or Sensor Availability
- 3.2.16 Provide OPLAN Visibility
- 3.2.17 Generate Unit and Platform Availability
- 3.4.17 Update Enemy Profiles
- 3.5.18 Monitor Weapon and Ammunition Inventories
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.1 Analyze Natural Environmental Impacts - Group
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.2.2 Perform Natural Environmental & Topographical Analysis
- 4.5.2 Evaluate Intelligence
- 4.2.3 Analyze Meteorological Conditions
- 4.6.4 Identify Status of Forces

## UNCLASSIFIED FOUO

- 4.8.5 Determine Weapon Availability
- 4.8.6 Analyze COAs
- 4.3.6 Estimate Enemy Capability Levels
- 4.6.7 Determine Enemy Courses of Action (COA)
- 4.8.8 Assess Force Readiness
- 4.3.8 Evaluate Mission
- 4.6.8 Determine Force Movement
- 4.8.11 Assess Threats
- 4.6.18 Predict Sensor Performance and Calculate Sensor Coverage
- 5.1 Create and Revise Plans - Group
- 5.2 Review Plans - Group
- 5.1.1 Generate New or Revised Plan
- 5.2.1 Retrieve Higher Level Guidance
- 5.1.2 Enter and Update Commander's Critical Information Requirements (CCIRs)
- 5.1.3 Manage Guidance and Objectives
- 5.4.7 Coordinate Plans and Tasking with Other Components
- 5.1.11 Create Sensor Plans
- 5.1.12 Create Attack Plans
- 5.1.13 Create Weapons Plans
- 5.1.14 Create Maneuver Plans
- 5.1.15 Create Strategic Plans
- 5.1.17 Create Collection Plans
- 5.1.18 Conduct Information Assurance Planning
- 5.1.26 Create Air Defense Plans
- 5.1.27 Create Air Battle Plans
- 5.1.28 Create Flight Plans
- 5.1.36 Create Commanders Guidance
- 5.1.37 Update Commanders Guidance
- 5.1.38 Create Staff Estimate
- 5.1.39 Update Staff Estimate
- 5.1.40 Record Priority Intelligence Requirements
- 5.1.42 Update Information Assurance Plan
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.51 Conduct Force Planning
- 5.1.52 Create Tactical Plans/ Orders
- 5.1.56 Generate Enemy Order of Battle (EOB)
- 5.1.61 Plan COA: Zone, Area, Route
- 6.1.1 Coordinate Mission Execution

## UNCLASSIFIED FOUO

- 6.1.3 Request External Fire Support
- 6.1.5 Execute Tactical Fires and Maneuver Plan
- 7.2.5 Receive Mission Update
- 7.1.5 Transfer Data via Packet Switching
- 7.1.7 Transfer Data
- 7.1.10 Transfer Data via Circuit Switching
- 7.2.11 Communicate Force Information
- 7.1.55 Manage Messaging Services
- 8.2 Provide Information Assurance - Group
- 8.11.1 Fuse Data
- 8.7.1 Manage Data Infrastructure
- 8.2.1 Perform Network Information Assurance
- 8.1.1 Provide Network Services
- 8.12.2 Initiate Collaboration
- 8.8.2 Authorize User Roles and Services
- 8.11.2 Evaluate the Data Fusion Process
- 8.2.2 Detect Security Events
- 8.12.3 Perform Collaboration
- 8.10.3 Display Data
- 8.3.3 Establish and Maintain Connectivity
- 8.11.4 Analyze Node Data Fusion Assignments
- 8.7.4 Analyze Data
- 8.1.4 Route Data
- 8.8.5 Assign Roles and Privileges
- 8.2.5 Provide Confidentiality Services
- 8.8.6 Maintain and Create User Profile
- 8.7.6 Update Data
- 8.7.7 Maintain Data Integrity
- 8.7.8 Query Data
- 8.7.9 Sort Data
- 8.2.9 Maintain Secure Data Transmission
- 8.7.10 Filter Information
- 8.10.10 Provide Graphical User Interface Services
- 8.2.10 Monitor Network Security
- 8.5.11 Monitor Network Usage
- 8.3.11 Identify Variance
- 8.10.13 Control Refresh Rate
- 8.2.13 Implement NSA or NIST Public Key Cryptography
- 8.7.14 Delete Data

## UNCLASSIFIED FOUO

- 8.2.15 Provide Cryptographic Services
- 8.10.16 Present User Defined Situational Awareness Information
- 8.7.16 Migrate Data
- 8.1.17 Perform Data Services
- 8.7.18 Archive Data
- 8.7.19 Categorize Data
- 8.1.19 Conduct Information Management
- 8.2.19 Validate User Credentials
- 8.2.20 Authorize Data Access
- 8.7.21 Correlate Data
- 8.2.21 Respond to Security Events
- 8.7.22 Disseminate Data
- 8.2.24 Authenticate Data
- 8.1.24 Assess Network
- 8.7.25 Register Data
- 8.7.26 Replicate Data
- 8.7.27 Retrieve Data
- 8.7.29 Manage Data Storage
- 8.7.30 Populate Data Repositories
- 8.7.33 Transfer Application Data
- 8.7.34 Verify Data
- 8.2.38 Authenticate Remotely
- 8.7.40 Format Data
- 8.7.42 Request Data
- 8.1.42 Map Network Topology and Parameters
- 8.7.44 Mediate Data
- 8.2.44 Retain Cryptography after Power Loss
- 8.7.45 Apply Data
- 8.7.47 Synchronize Data
- 8.7.48 Monitor Data
- 8.7.49 Submit Information Requirements
- 8.1.56 Translate Name to Address
- 8.7.64 Integrate Data
- 8.7.69 Query Unit and Infrastructure Strength and Limitations
- 8.7.71 Store Semantic Information on Data
- 8.7.81 Store Data
- 8.7.91 Acquire Data
- 8.7.94 Store Applications
- 9.3.4 Provide Voltage Surge Protection

## UNCLASSIFIED FOUO

- 9.1.11 Schedule Inspections
- 10.1.11 Update, Store, Display Special Order Requests (SOR)
- 10.1.25 Conduct External Resupply Request
- 14.1 Intelligence Data Processing - Group
  - 14.1.1 Collect and Process SIGINT
  - 14.1.2 Collect and Process IMINT Data
  - 14.1.3 Collect and Process MASINT Data
  - 14.1.6 Process Intelligence Data
    - 14.1.11 Disseminate Intelligence Products
    - 14.1.16 Disseminate High Priority Tactical SIGINT Report
    - 14.1.17 Evaluate Collection Results
    - 14.1.18 Evaluate Intelligence Collection, Products, Reporting
    - 14.1.19 Identify, Prioritize and Validate Intelligence Requirements
    - 14.1.20 Generate Intelligence Product Update Requests
  - 14.1.24 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
  - 14.1.26 Conduct Joint Intelligence Preparation of the Operational Environment

**GCCS-AF**

- 1.4.9 Generate Theater and External ISR Sensor Tasking
- 2.1.24 Calculate Geolocation
- 2.1.28 Monitor Track Safe Return or Passage
- 3.3 Provide Indications, Warnings, and Alerts - Group
- 3.5 Monitor Mission Readiness - Group
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
  - 3.5.1 Monitor Embedded Mission Readiness
  - 3.2.5 Identify Return to Force (RTF) Profiles
  - 3.4.5 Maintain Shared Situational Awareness
    - 3.3.5 Generate Alert
    - 3.5.5 Report Unit and Platform Status
  - 3.2.6 Generate Target Coordinates
    - 3.3.7 Integrate Alert Sequencing Doctrine
    - 3.2.7 Identify Weapons Free Zones
  - 3.5.8 Access Unit Readiness and Logistics Reports
  - 3.5.9 Monitor Force Status
  - 3.2.9 Configure, Edit, and Display No-Fly Zones
  - 3.4.11 Translate and Distribute Commanders Intent
  - 3.2.12 Maintain and Display Force Disposition Displays
  - 3.5.12 Retrieve and Maintain Rules of Engagement (ROE)
  - 3.4.13 Manage Airspace Control Measures
  - 3.2.14 Maintain and Display Unit and Platform Status Information

## UNCLASSIFIED FOUO

- 3.5.15 Define Required Launch Platform State
- 3.2.17 Generate Unit and Platform Availability
- 3.2.23 Identify Joint Engagement Zone
- 3.2.26 Track Engagement Status
- 4.7 Analyze Targets - Group
  - 4.7.1 Analyze Target Areas
  - 4.6.1 Determine Engageability
  - 4.7.2 Manage Target List
  - 4.6.2 Estimate Factors Affecting Weapon Performance
  - 4.8.3 Determine Platform-Target Weapon Pairing
  - 4.7.3 Review Restricted Target List
  - 4.6.4 Identify Status of Forces
  - 4.7.4 Update High Value Target (HVT) List
  - 4.7.5 Select & Prioritize Target
  - 4.8.5 Determine Weapon Availability
  - 4.6.8 Determine Force Movement
  - 4.3.8 Evaluate Mission
  - 4.7.8 Retain or Remove Target on or from Target List
  - 4.8.8 Assess Force Readiness
  - 4.6.9 Calculate Weapons Performance
  - 4.8.9 Identify Rules of Engagement (ROE) Cues
  - 4.7.10 Identify Time Sensitive Targets
  - 4.7.11 Determine Target Offset and Location
  - 4.6.12 Estimate Weapons Effectiveness
  - 4.6.13 Determine Accessibility of Attack System to Target
  - 4.6.15 Determine Best Positioning for Access to the Adversary
  - 4.6.17 Specify Required Effects
  - 4.3.17 Assess Battle Damage in Real-Time
  - 4.6.20 Select Best Attack Asset
  - 4.6.21 Calculate Probability of Engagement Effectiveness
  - 4.8.21 Assess Air Battle Impact
  - 4.6.22 Calculate Hit Probability Relative to Target Location Error
  - 4.3.22 Assess Battle Damage
  - 4.6.31 Predict Joint Asset Shortfall
  - 4.6.40 Generate Attack Window
- 5.1 Create and Revise Plans - Group
- 5.3 Rehearse Mission - Group
  - 5.5.1 Identify Weapon Control Parameters
  - 5.2.1 Retrieve Higher Level Guidance

## UNCLASSIFIED FOUO

- 5.3.1 Conduct Mission Rehearsal
- 5.1.3 Manage Guidance and Objectives
- 5.4.9 Assign Assets/Resources
- 5.4.10 Generate Air Tasking Order Message
- 5.1.12 Create Attack Plans
- 5.1.13 Create Weapons Plans
- 5.1.14 Create Maneuver Plans
- 5.1.15 Create Strategic Plans
- 5.1.16 Develop Deconfliction Plan
- 5.1.21 Create Water Space Utilization Plans
- 5.1.26 Create Air Defense Plans
- 5.1.27 Create Air Battle Plans
- 5.1.30 Plan and Evaluate Airspace Control Measures
- 5.1.49 Plan Target-Weapon Type Pairing
- 5.1.51 Conduct Force Planning
- 5.1.54 Create Air Attack Plans
- 5.1.62 Deconflict the Airspace
- 5.1.64 Create Flight Schedules
- 6.2.1 Provide Re-attack Recommendation
- 6.1.1 Coordinate Mission Execution
- 6.2.3 Develop Targets
- 6.2.4 Determine Attack Window
- 6.3.8 Monitor Weapon Status
- 6.2.8 Produce Engagement Schedules
- 6.1.9 Control Mission
- 6.3.11 Integrate Rules of Engagement (ROE)
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.2.17 Process Air Support Request
- 6.1.21 Coordinate Mission Weapon Employment
- 6.2.21 Dynamically Deconflict Engagement
- 6.2.25 Select Appropriate Lethal or Non-Lethal Attack System
- 6.2.26 Synchronize Tactics and Engagement Assignments
- 6.2.27 Task or Re-task Targeting Assets
- 6.2.31 Select & Prioritize Target
- 6.2.33 Adjust Engagement Schedules
- 6.2.37 Manage Fire Support Information
- 6.2.44 Determine Engagement Options and Generate Weapons Employment
- 7.2.2 Transmit Weapons Recommendations
- 7.2.5 Receive Mission Update

## UNCLASSIFIED FOUO

- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.2.11 Communicate Force Information
- 8.2.3 Regulate Information Dissemination
- 8.2.5 Provide Confidentiality Services
- 8.7.6 Update Data
- 8.2.16 Provide Transmission Security
- 8.7.47 Synchronize Data
- 8.7.69 Query Unit and Infrastructure Strength and Limitations
- 14.1.26 Conduct Joint Intelligence Preparation of the Operational Environment

**GCCS-I3**

- 1.5.2 Receive Navigation Signals
- 1.3.2 Detect Indications and Warnings
- 1.5.3 Recognize Navigation Signals
- 1.5.5 Process Navigation Signals
- 1.5.10 Translate Navigation Data
- 1.5.11 Translate Time Data
- 1.4.26 Manage JISR Resources
- 1.4.31 Process Intelligence Surveillance and Reconnaissance (ISR) Support Requests
- 2.1.1 Form Tracks
- 2.2.1 Determine Combat Identification
- 2.1.2 Develop Association Hypothesis
- 2.2.2 Determine Combat Identity
- 2.1.3 Manage Air Tracks
- 2.2.3 Determine Identification Based on Reference Data
- 2.2.4 Determine Track Activity and Status
- 2.2.5 Estimate Object Classification
- 2.2.6 Execute Recognition
- 2.1.6 Track Blue Forces
- 2.1.7 Qualify Track
- 2.2.7 Declare Identification Level of Confidence
- 2.2.8 Determine Composite ID
- 2.1.8 Fuse Track Measurements
- 2.1.9 Correlate Tracks
- 2.2.9 Determine Comprehensive Track ID
- 2.2.10 Determine Discrete ID
- 2.1.10 Associate Tracks
- 2.2.11 Identify Fused Data Track
- 2.1.11 Filter Track Report

## UNCLASSIFIED FOUO

- 2.1.12 Coordinate Remote Track Reporting
- 2.2.12 Determine Identification Based on Associations
- 2.1.13 Register Data
- 2.2.13 Identify Civilian Air Tracks
- 2.1.14 Align Tracks Geodetically
- 2.2.14 Identify Civilian Maritime Surface Tracks
- 2.1.15 Align Tracks Relatively
- 2.2.15 Determine Procedural Identification
- 2.2.16 Determine Organization Identification
- 2.1.16 Align Tracks through Inter-link Reference Frames
- 2.1.17 Assign Track Number
- 2.2.17 Resolve Identification Conflicts
- 2.2.18 Determine Blue Force Tracking Identification
- 2.1.18 Generate Global Track Number
- 2.1.19 Align Multi-Sensor Data
- 2.2.19 Associate Blue Forces in Proximity to Target
- 2.1.20 Associate Multi-Sensor Data
- 2.1.21 Update Existing Track
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.23 Assign Track Category
- 2.1.24 Calculate Geolocation
- 2.1.25 Estimate Track Count
- 2.1.26 Maintain Track History
- 2.1.29 Update Target, Intelligence, and System Profiles
- 2.1.31 Fuse Track Data
- 3.3 Provide Indications, Warnings, and Alerts - Group
- 3.2.1 Generate Common Operational Picture
- 3.3.1 Provide Real-Time Threat Warning
- 3.5.1 Monitor Embedded Mission Readiness
- 3.3.2 Identify Occurrence of ISR Event
- 3.2.2 Generate Common Tactical Picture
- 3.5.3 Analyze Transportation Asset Visibility
- 3.2.3 Generate Battle Damage Scene
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.2.4 Update COP Display
- 3.5.5 Report Unit and Platform Status
- 3.4.5 Maintain Shared Situational Awareness
- 3.3.5 Generate Alert
- 3.4.6 Aggregate Events or Activities

## UNCLASSIFIED FOUO

- 3.5.6 Access Joint Asset Information
- 3.2.6 Generate Target Coordinates
- 3.4.7 Aggregate Objects
- 3.3.7 Integrate Alert Sequencing Doctrine
- 3.2.7 Identify Weapons Free Zones
- 3.4.8 Manage Prioritization of Defended Asset Information Sets
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.3.8 Maintain NetOps Related Threat Assessment
- 3.2.9 Configure, Edit, and Display No-Fly Zones
- 3.4.9 Aggregate and Present Blue Force Tracks
- 3.5.9 Monitor Force Status
- 3.3.9 Warn of Weapons of Mass Destruction (WMD)
- 3.3.10 Generate Indication and Warning (I and W) Reports
- 3.4.10 Integrate Information on Potential Adversary COA
- 3.5.10 Present Mission Resources Information
- 3.2.10 Configure, Edit, and Display Restricted Navigation Zones
- 3.4.11 Translate and Distribute Commanders Intent
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.4.13 Manage Airspace Control Measures
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.4.14 Manage Target Materials Information
- 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
- 3.2.16 Provide OPLAN Visibility
- 3.4.16 Record Events for Post Operations Analysis
- 3.4.17 Update Enemy Profiles
- 3.2.17 Generate Unit and Platform Availability
- 3.2.18 Display Geospatial Information Overlay
- 3.2.19 Display Electronic Spectrum Allocation for Area of Concern
- 3.4.19 Share Information
- 3.2.20 Display Resource Movement
- 3.2.26 Track Engagement Status
- 3.2.27 Provide Geospatial Coordinates
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.29 Display Formation Tracks
- 3.2.31 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
- 3.2.32 Mensurate Object Coordinates
- 3.2.33 Monitor In-Flight Reporting
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports

## UNCLASSIFIED FOUO

- 4.7 Analyze Targets - Group
- 4.7.1 Analyze Target Areas
- 4.3.1 Monitor Operational Situation
- 4.2.1 Assess Environment
- 4.1.2 Analyze Atmospheric and Weather Impacts
- 4.7.2 Manage Target List
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.5.2 Evaluate Intelligence
- 4.2.2 Perform Natural Environmental & Topographical Analysis
- 4.3.3 Analyze Operational Situation
- 4.7.3 Review Restricted Target List
- 4.5.3 Estimate Extent of Collateral Damage
- 4.2.3 Analyze Meteorological Conditions
- 4.6.4 Identify Status of Forces
- 4.3.4 Identify Weapon Danger Zones
- 4.7.4 Update High Value Target (HVT) List
- 4.2.4 Assess Meteorological and Oceanographic (METOC) Conditions
- 4.8.5 Determine Weapon Availability
- 4.7.5 Select & Prioritize Target
- 4.3.6 Estimate Enemy Capability Levels
- 4.7.7 Create High Value Target (HVT) List
- 4.6.8 Determine Force Movement
- 4.7.8 Retain or Remove Target on or from Target List
- 4.8.8 Assess Force Readiness
- 4.7.9 Determine Object Probable Location
- 4.7.10 Identify Time Sensitive Targets
- 4.8.11 Assess Threats
- 4.7.11 Determine Target Offset and Location
- 4.3.12 Analyze and Filter Fusion Product Information
- 4.7.12 Recommend Target for Nomination
- 4.8.13 Integrate Fires and Maneuvers Guidance
- 4.7.13 Enter, Edit, or Delete Target Criteria
- 4.3.15 Generate Multiple Image View Analysis
- 4.3.16 Analyze Effects
- 4.3.17 Assess Battle Damage in Real-Time
- 4.3.18 Assess Effect
- 4.3.19 Evaluate Effects of Electronic Warfare (EW)
- 4.3.20 Analyze Effects (value)
- 4.3.21 Analyze Effects (value)

## UNCLASSIFIED FOUO

- 4.3.22 Assess Battle Damage
- 4.3.23 Assess Damage Reports
- 4.6.24 Evaluate Potential Targets
- 4.8.24 Evaluate Feedback
- 4.8.25 Exploit Intelligence
- 4.6.27 Determine Time to Complete the Mission
- 4.6.28 Generate CBRN Avoidance Area Prediction
- 4.6.34 Refine Aim Point Location
- 4.6.39 Project Tracks Future Position
- 4.6.40 Generate Attack Window
- 5.2.1 Retrieve Higher Level Guidance
- 5.4.8 Generate Space Tasking Order Message
- 5.4.10 Generate Air Tasking Order Message
- 5.1.21 Create Water Space Utilization Plans
- 5.1.22 Create Target & Threat Plans
- 5.1.61 Plan COA: Zone, Area, Route
- 5.1.62 Deconflict the Airspace
- 6.2.7 Optimize Target Value vs. Weapon Value
- 6.3.14 Locate Target
- 6.2.14 Provide Optimized Attack Solutions
- 6.1.20 Position System
- 6.1.29 Designate Track
- 6.2.31 Select & Prioritize Target
- 6.1.31 Process Sensor Collection Requests
- 7.2.1 Transmit Navigation Signal
- 7.1.1 Establish Communication Networks
- 7.3.1 Control Data Link
- 7.1.2 Provide Secure Communications
- 7.2.2 Transmit Weapons Recommendations
- 7.2.3 Transmit Engagement Orders
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.1.5 Transfer Data via Packet Switching
- 7.2.5 Receive Mission Update
- 7.3.5 Translate and Forward Data
- 7.1.6 Track Requests for Information
- 7.3.6 Operate In Receive-Only Mode
- 7.2.7 Receive Strategic Mission & Guidance
- 7.1.7 Transfer Data

## UNCLASSIFIED FOUO

- 7.3.7 Control Data Link Router
- 7.1.8 Transfer Data via a Virtual Circuit
- 7.3.8 Exchange Link-22 and TADIL A/B Data
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.3.9 Filter Translation or Forwarding
- 7.3.10 Forward ATDL-1
- 7.3.11 Forward Ground-based Link (GBDL)
- 7.1.11 Transfer Information Over Multiple Channels Simultaneously
- 7.2.11 Communicate Force Information
- 7.1.12 Transfer File
- 7.3.12 Forward Link Data
- 7.2.12 Communicate Status
- 7.1.13 Identify Communications Assets
- 7.3.13 Forward NATO Link-1
- 7.1.14 Respond or Reply to Request for Information
- 7.3.14 Forward Point-to-Point Data Link (PPDL)
- 7.2.14 Communicate Engagement Orders
- 7.3.16 Interface with Data Forwarding Controls
- 7.2.16 Communicate Meteorological and Oceanographic (METOC) Data
- 7.3.17 Forward Data Over-the-Horizon
- 7.1.19 Select Message
- 7.1.20 Prioritize Message
- 7.1.21 Provide Message Status
- 7.1.22 Manage Message Boards
- 7.1.23 Notify User of Message Arrival
- 7.1.24 Manage E-Mail
- 7.2.24 Forward Message
- 7.1.25 Communicate Beyond Line of Sight Anti Jam Wideband Satellite
- 7.2.25 Exchange Messages Asynchronously
- 7.1.26 Communicate Beyond Line of sight Narrowband-Satellite-LPI/LPD
- 7.1.27 Communicate Beyond Line of sight using Mobile/Emergency-Satellite
- 7.2.27 Exchange Messages Synchronously
- 7.2.28 Retransmit or Cross-Band Information
- 7.1.28 Communicate Beyond Line of sight wideband-Satellite-Protected/Hardened
- 7.1.29 Communicate Beyond Line of sight-Multiband Wideband Satellite
- 7.2.29 Transmit Measurement Data
- 7.1.30 Communicate Beyond Line of sight-Narrowband Commercial Satellite
- 7.2.30 Transmit Track Data
- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT

## UNCLASSIFIED FOUO

- 7.1.32 Communicate Beyond Line of sight-Narrowband-Satellite-Protected/Hardened
- 7.1.33 Communicate Beyond Line of sight-Wideband Commercial Satellite
- 7.1.34 Communicate Beyond Line of sight-Wideband MILSAT
- 7.1.35 Communicate Beyond Line of sight-Wideband-Satellite-LPI/LPD
- 7.1.36 Communicate Beyond Line of sight-Wideband-Satellite-Single Band/Multilink
- 7.1.37 Communications Net Message Translation
- 7.1.38 Communicate Beyond Line of Sight Anti Jam Narrowband Satellite
- 7.1.41 Provide Line-of-Sight Communications
- 7.1.52 Provide International Operation Services
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.54 Provide Beyond Line-of-Sight Communications
- 7.1.55 Manage Messaging Services
- 7.1.69 Multiplex Data for Transmission
- 7.1.77 Coordinate Message Delivery
- 7.1.78 Collect & Store Satellite Link Status Relative to Link Budget
- 7.1.79 Address Data by Position or Organization
- 7.1.80 Dynamically Transfer Data Based on Precedence
- 8.10.1 Integrate Human Machine Interface
- 8.8.1 Customize User Management
- 8.12.1 Manage Collaboration Activities
- 8.11.1 Fuse Data
- 8.12.2 Initiate Collaboration
- 8.11.2 Evaluate the Data Fusion Process
- 8.8.2 Authorize User Roles and Services
- 8.10.3 Display Data
- 8.12.3 Perform Collaboration
- 8.11.3 Refine the Data Fusion Performance
- 8.8.3 Manage Accounts
- 8.12.4 Allocate and Manage Collaboration Communications
- 8.11.4 Analyze Node Data Fusion Assignments
- 8.8.4 Monitor and Adapt User Interface
- 8.12.5 Terminate Collaboration
- 8.10.5 Provide Feedback on User Input and Actions
- 8.8.5 Assign Roles and Priviledges
- 8.7.5 Translate Data
- 8.11.5 ID Product Types for Data Fusion
- 8.1.5 Share Information
- 8.12.6 Conduct Decision Process Collaboration
- 8.8.6 Maintain and Create User Profile

## UNCLASSIFIED FOUO

- 8.4.6 Support Web Browsing
- 8.7.6 Update Data
- 8.12.7 Manage Collaboration Resources
- 8.7.7 Maintain Data Integrity
- 8.7.8 Query Data
- 8.7.9 Sort Data
- 8.10.10 Provide Graphical User Interface Services
- 8.7.10 Filter Information
- 8.4.10 Generate Displays
- 8.1.11 Provide Message Services
- 8.8.12 Log Operator Activity
- 8.4.12 Process Multimedia Information
- 8.7.13 Compress Data
- 8.4.13 Perform Calculation
- 8.10.14 Identify the Need for Human-in-the-Loop Response
- 8.7.14 Delete Data
- 8.4.14 Process Information Distributively
- 8.7.15 Transform Data
- 8.4.15 Produce and Manipulate Video
- 8.10.16 Present User Defined Situational Awareness Information
- 8.7.16 Migrate Data
- 8.4.16 Produce and Manage Media
- 8.7.18 Archive Data
- 8.7.19 Categorize Data
- 8.4.19 Provide and Manage Graphics
- 8.7.20 Characterize Objects
- 8.4.20 Provide Streaming Video
- 8.7.21 Correlate Data
- 8.4.21 Process Imagery
- 8.7.22 Disseminate Data
- 8.4.22 View Documents
- 8.7.23 Disseminate Time Data
- 8.6.23 Convert Data File Format
- 8.4.23 Execute Command Interpreter and Utility Services
- 8.7.24 Manage Information Delivery
- 8.4.24 Execute Operating System Functions
- 8.7.25 Register Data
- 8.7.26 Replicate Data
- 8.4.26 Perform Batch Processing Services

## UNCLASSIFIED FOUO

- 8.7.27 Retrieve Data
- 8.7.28 Provide Database Utilities
- 8.7.29 Manage Data Storage
- 8.4.29 Provide Display Object Services
- 8.7.30 Populate Data Repositories
- 8.7.31 Allocate Storage Resources
- 8.7.32 Manage Metadata
- 8.5.32 Reroute Messages
- 8.7.33 Transfer Application Data
- 8.4.33 Provide Printing Services
- 8.7.34 Verify Data
- 8.4.34 Support Multimedia Processing
- 8.4.35 Window Management Services
- 8.7.35 Regulate Data Flow
- 8.7.36 Post or Publish Data
- 8.7.37 Ensure Data Asset Visibility
- 8.7.38 Provide Visibility of Data Storage Infrastructure
- 8.4.40 Generate Reports
- 8.7.40 Format Data
- 8.4.41 Manage Reports
- 8.7.42 Request Data
- 8.2.42 Provide User Single Sign-On
- 8.7.44 Mediate Data
- 8.7.47 Synchronize Data
- 8.7.48 Monitor Data
- 8.7.49 Submit Information Requirements
- 8.1.51 Provide Machine-to-Machine Data Access Mechanisms
- 8.7.54 Convert Analog Data to Digital Data
- 8.7.56 Maintain Address Book
- 8.7.57 Maintain Distributed Archives
- 8.7.60 Manage Enterprise Storage Resources
- 8.7.62 Monitor System/Resource Allocation
- 8.7.63 Search within Context
- 8.7.65 Perform Text Searches
- 8.7.69 Query Unit and Infrastructure Strength and Limitations
- 8.7.79 Recover Data
- 8.7.81 Store Data
- 8.7.82 Retain Data
- 8.7.83 Manage and Manipulate File and File Systems

## UNCLASSIFIED FOUO

- 8.7.84 Perform Multilevel Security Data Filtering
- 8.7.85 Perform Distributed Data Services
- 8.7.86 Analyze and Organize Data
- 8.7.87 Validate Request for Information
- 8.7.91 Acquire Data
- 8.7.94 Store Applications
- 8.7.97 Report Query Results
- 8.7.98 Perform Data Check
- 9.2.1 Perform Built-In Test (BIT)
- 9.1.24 Track Fault Data
- 14.1.1 Collect and Process SIGINT
- 14.1.2 Collect and Process IMINT Data
- 14.1.3 Collect and Process MASINT Data
- 14.1.4 Receive and Process HUMINT Data
- 14.1.5 Collect and Process Video Sensor Data
- 14.1.6 Process Intelligence Data
- 14.1.7 Manage Images
- 14.1.8 Rectify Image
- 14.1.9 Convert Image Format
- 14.1.10 Parse HUMINT Report
- 14.1.11 Disseminate Intelligence Products
- 14.1.12 Fuse Single-Source Intelligence Data
- 14.1.13 Fuse Multi-Source Intelligence Data
- 14.1.14 Manage HUMINT Dossier
- 14.1.15 Manage HUMINT Sources
- 14.1.16 Disseminate High Priority Tactical SIGINT Report
- 14.1.17 Evaluate Collection Results
- 14.1.18 Evaluate Intelligence Collection, Products, Reporting
- 14.1.19 Identify, Prioritize and Validate Intelligence Requirements
- 14.1.20 Generate Intelligence Product Update Requests
- 14.1.21 Extract Automated Feature
- 14.1.22 Correlate Image
- 14.1.23 Perform Imagery Coordinate Mensuration
- 14.1.24 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
- 14.1.25 Provide Data Assets from IPOE Products
- 14.1.26 Conduct Joint Intelligence Preparation of the Operational Environment
- 14.1.27 Provide Defense Intelligence Services
- 14.1.28 Disseminate Tactical SIGINT Report

**GCCS-J**

## UNCLASSIFIED FOUO

- 1.5.2 Receive Navigation Signals
- 1.3.2 Detect Indications and Warnings
- 1.5.3 Recognize Navigation Signals
- 1.5.5 Process Navigation Signals
- 1.5.10 Translate Navigation Data
- 1.5.11 Translate Time Data
- 1.4.25 Correlate JISR Resources
- 1.4.26 Manage JISR Resources
- 1.4.31 Process Intelligence Surveillance and Reconnaissance (ISR) Support Requests
- 2.2.1 Determine Combat Identification
  - 2.1.1 Form Tracks
  - 2.2.2 Determine Combat Identity
    - 2.1.2 Develop Association Hypothesis
    - 2.2.3 Determine Identification Based on Reference Data
  - 2.1.3 Manage Air Tracks
  - 2.2.4 Determine Track Activity and Status
  - 2.2.5 Estimate Object Classification
  - 2.2.6 Execute Recognition
  - 2.1.6 Track Blue Forces
  - 2.2.7 Declare Identification Level of Confidence
  - 2.1.7 Qualify Track
  - 2.1.8 Fuse Track Measurements
  - 2.2.8 Determine Composite ID
  - 2.2.9 Determine Comprehensive Track ID
  - 2.1.9 Correlate Tracks
  - 2.1.10 Associate Tracks
  - 2.2.10 Determine Discrete ID
  - 2.2.11 Identify Fused Data Track
  - 2.1.11 Filter Track Report
  - 2.1.12 Coordinate Remote Track Reporting
  - 2.2.13 Identify Civilian Air Tracks
  - 2.1.13 Register Data
  - 2.2.14 Identify Civilian Maritime Surface Tracks
  - 2.1.14 Align Tracks Geodetically
  - 2.1.15 Align Tracks Relatively
  - 2.2.15 Determine Procedural Identification
  - 2.1.16 Align Tracks through Inter-link Reference Frames
  - 2.2.16 Determine Organization Identification
  - 2.1.17 Assign Track Number

## UNCLASSIFIED FOUO

- 2.2.17 Resolve Identification Conflicts
- 2.2.18 Determine Blue Force Tracking Identification
- 2.1.18 Generate Global Track Number
- 2.1.19 Align Multi-Sensor Data
- 2.2.19 Associate Blue Forces in Proximity to Target
- 2.1.20 Associate Multi-Sensor Data
- 2.1.21 Update Existing Track
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.23 Assign Track Category
- 2.1.24 Calculate Geolocation
- 2.1.25 Estimate Track Count
- 2.1.26 Maintain Track History
- 2.1.31 Fuse Track Data
- 3.3 Provide Indications, Warnings, and Alerts - Group
- 3.5 Monitor Mission Readiness - Group
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3.3.1 Provide Real-Time Threat Warning
- 3.2.1 Generate Common Operational Picture
- 3.5.1 Monitor Embedded Mission Readiness
- 3.3.2 Identify Occurrence of ISR Event
- 3.2.2 Generate Common Tactical Picture
- 3.5.3 Analyze Transportation Asset Visibility
- 3.2.3 Generate Battle Damage Scene
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.2.4 Update COP Display
- 3.3.5 Generate Alert
- 3.4.5 Maintain Shared Situational Awareness
- 3.5.5 Report Unit and Platform Status
- 3.2.6 Generate Target Coordinates
- 3.5.6 Access Joint Asset Information
- 3.4.6 Aggregate Events or Activities
- 3.2.7 Identify Weapons Free Zones
- 3.3.7 Integrate Alert Sequencing Doctrine
- 3.4.7 Aggregate Objects
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.3.8 Maintain NetOps Related Threat Assessment
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.4.8 Manage Prioritization of Defended Asset Information Sets
- 3.5.9 Monitor Force Status

## UNCLASSIFIED FOUO

- 3.3.9 Warn of Weapons of Mass Destruction (WMD)
- 3.2.9 Configure, Edit, and Display No-Fly Zones
- 3.4.9 Aggregate and Present Blue Force Tracks
- 3.3.10 Generate Indication and Warning (I and W) Reports
- 3.4.10 Integrate Information on Potential Adversary COA
- 3.5.10 Present Mission Resources Information
- 3.2.10 Configure, Edit, and Display Restricted Navigation Zones
- 3.4.11 Translate and Distribute Commanders Intent
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.4.13 Manage Airspace Control Measures
- 3.4.14 Manage Target Materials Information
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
- 3.4.16 Record Events for Post Operations Analysis
- 3.2.16 Provide OPLAN Visibility
- 3.4.17 Update Enemy Profiles
- 3.2.17 Generate Unit and Platform Availability
- 3.2.18 Display Geospatial Information Overlay
- 3.2.20 Display Resource Movement
- 3.2.23 Identify Joint Engagement Zone
- 3.2.26 Track Engagement Status
- 3.2.27 Provide Geospatial Coordinates
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.29 Display Formation Tracks
- 3.2.31 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
- 3.2.32 Mensurate Object Coordinates
- 3.2.33 Monitor In-Flight Reporting
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.3 Analyze Operational Environment - Group
- 4.1 Analyze Natural Environmental Impacts - Group
- 4.3.1 Monitor Operational Situation
- 4.5.1 Measure Mission Performance
- 4.2.1 Assess Environment
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.1.2 Analyze Atmospheric and Weather Impacts
- 4.2.2 Perform Natural Environmental & Topographical Analysis
- 4.5.2 Evaluate Intelligence
- 4.3.3 Analyze Operational Situation
- 4.2.3 Analyze Meteorological Conditions

## UNCLASSIFIED FOUO

- 4.3.4 Identify Weapon Danger Zones
- 4.2.4 Assess Meteorological and Oceanographic (METOC) Conditions
- 4.8.5 Determine Weapon Availability
- 4.3.6 Estimate Enemy Capability Levels
- 4.6.8 Determine Force Movement
- 4.8.8 Assess Force Readiness
- 4.7.9 Determine Object Probable Location
- 4.7.10 Identify Time Sensitive Targets
- 4.7.11 Determine Target Offset and Location
- 4.8.13 Integrate Fires and Maneuvers Guidance
- 4.3.15 Generate Multiple Image View Analysis
- 4.3.16 Analyze Effects
- 4.3.17 Assess Battle Damage in Real-Time
- 4.3.18 Assess Effect
- 4.3.19 Evaluate Effects of Electronic Warfare (EW)
- 4.3.20 Analyze Effects (value)
- 4.3.21 Analyze Effects (value)
- 4.3.22 Assess Battle Damage
- 4.3.23 Assess Damage Reports
- 4.3.24 Assess Combat Performance
- 4.8.24 Evaluate Feedback
- 4.6.24 Evaluate Potential Targets
- 4.8.25 Exploit Intelligence
- 4.6.27 Determine Time to Complete the Mission
- 4.6.28 Generate CBRN Avoidance Area Prediction
- 4.6.34 Refine Aim Point Location
- 4.6.39 Project Tracks Future Position
- 4.6.40 Generate Attack Window
- 5.4.8 Generate Space Tasking Order Message
- 5.4.10 Generate Air Tasking Order Message
- 5.1.21 Create Water Space Utilization Plans
- 5.1.61 Plan COA: Zone, Area, Route
- 5.1.62 Deconflict the Airspace
- 5.1.65 Develop and Promulgate Rules of Engagement (ROE)
- 6.1.20 Position System
- 6.1.29 Designate Track
- 7.3.1 Control Data Link
- 7.2.1 Transmit Navigation Signal
- 7.1.1 Establish Communication Networks

## UNCLASSIFIED FOUO

- 7.1.2 Provide Secure Communications
- 7.2.2 Transmit Weapons Recommendations
- 7.2.3 Transmit Engagement Orders
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.2.5 Receive Mission Update
- 7.3.5 Translate and Forward Data
- 7.1.5 Transfer Data via Packet Switching
- 7.3.6 Operate In Receive-Only Mode
- 7.1.6 Track Requests for Information
- 7.1.7 Transfer Data
- 7.3.7 Control Data Link Router
- 7.2.7 Receive Strategic Mission & Guidance
- 7.3.8 Exchange Link-22 and TADIL A/B Data
- 7.1.8 Transfer Data via a Virtual Circuit
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.3.9 Filter Translation or Forwarding
- 7.3.10 Forward ATDL-1
- 7.1.11 Transfer Information Over Multiple Channels Simultaneously
- 7.3.11 Forward Ground-based Link (GBDL)
- 7.2.11 Communicate Force Information
- 7.2.12 Communicate Status
- 7.1.12 Transfer File
- 7.3.12 Forward Link Data
- 7.3.13 Forward NATO Link-1
- 7.1.13 Identify Communications Assets
- 7.2.14 Communicate Engagement Orders
- 7.3.14 Forward Point-to-Point Data Link (PPDL)
- 7.1.14 Respond or Reply to Request for Information
- 7.3.16 Interface with Data Forwarding Controls
- 7.2.16 Communicate Meteorological and Oceanographic (METOC) Data
- 7.3.17 Forward Data Over-the-Horizon
- 7.1.19 Select Message
- 7.1.20 Prioritize Message
- 7.1.21 Provide Message Status
- 7.1.22 Manage Message Boards
- 7.1.23 Notify User of Message Arrival
- 7.1.24 Manage E-Mail
- 7.2.24 Forward Message

## UNCLASSIFIED FOUO

- 7.1.25 Communicate Beyond Line of Sight Anti Jam Wideband Satellite
- 7.2.25 Exchange Messages Asynchronously
- 7.1.26 Communicate Beyond Line of sight Narrowband-Satellite-LPI/LPD
- 7.1.27 Communicate Beyond Line of sight using Mobile/Emergency-Satellite
- 7.2.27 Exchange Messages Synchronously
- 7.2.28 Retransmit or Cross-Band Information
- 7.1.28 Communicate Beyond Line of sight wideband-Satellite-Protected/Hardened
- 7.2.29 Transmit Measurement Data
- 7.1.29 Communicate Beyond Line of sight-Multiband Wideband Satellite
- 7.2.30 Transmit Track Data
- 7.1.30 Communicate Beyond Line of sight-Narrowband Commercial Satellite
- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
- 7.1.32 Communicate Beyond Line of sight-Narrowband-Satellite-Protected/Hardened
- 7.1.33 Communicate Beyond Line of sight-Wideband Commercial Satellite
- 7.1.34 Communicate Beyond Line of sight-Wideband MILSAT
- 7.1.35 Communicate Beyond Line of sight-Wideband-Satellite-LPI/LPD
- 7.1.36 Communicate Beyond Line of sight-Wideband-Satellite-Single Band/Multilink
- 7.1.37 Communications Net Message Translation
- 7.1.41 Provide Line-of-Sight Communications
- 7.1.52 Provide International Operation Services
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.54 Provide Beyond Line-of-Sight Communications
- 7.1.55 Manage Messaging Services
- 7.1.69 Multiplex Data for Transmission
- 7.1.77 Coordinate Message Delivery
- 7.1.78 Collect & Store Satellite Link Status Relative to Link Budget
- 7.1.79 Address Data by Position or Organization
- 7.1.80 Dynamically Transfer Data Based on Precedence
- 8.12 Enterprise Collaboration Services
  - 8.8.1 Customize User Management
    - 8.11.1 Fuse Data
    - 8.10.1 Integrate Human Machine Interface
    - 8.12.1 Manage Collaboration Activities
  - 8.8.2 Authorize User Roles and Services
    - 8.12.2 Initiate Collaboration
    - 8.11.2 Evaluate the Data Fusion Process
    - 8.12.3 Perform Collaboration
  - 8.11.3 Refine the Data Fusion Performance
  - 8.8.3 Manage Accounts

## UNCLASSIFIED FOUO

- 8.10.3 Display Data
- 8.8.4 Monitor and Adapt User Interface
- 8.12.4 Allocate and Manage Collaboration Communications
- 8.11.4 Analyze Node Data Fusion Assignments
- 8.12.5 Terminate Collaboration
- 8.8.5 Assign Roles and Privileges
- 8.7.5 Translate Data
- 8.11.5 ID Product Types for Data Fusion
- 8.10.5 Provide Feedback on User Input and Actions
- 8.8.6 Maintain and Create User Profile
- 8.12.6 Conduct Decision Process Collaboration
- 8.4.6 Support Web Browsing
- 8.7.6 Update Data
- 8.12.7 Manage Collaboration Resources
- 8.7.7 Maintain Data Integrity
- 8.12.8 Determine Collaboration Resource Availability
- 8.7.8 Query Data
- 8.12.9 Provide Common Workspace
- 8.7.9 Sort Data
- 8.12.10 Transcribe Collaboration
- 8.10.10 Provide Graphical User Interface Services
- 8.7.10 Filter Information
- 8.4.10 Generate Displays
- 8.7.11 Formulate Discovery Search
- 8.1.11 Provide Message Services
- 8.8.12 Log Operator Activity
- 8.4.12 Process Multimedia Information
- 8.7.13 Compress Data
- 8.4.13 Perform Calculation
- 8.7.14 Delete Data
- 8.10.14 Identify the Need for Human-in-the-Loop Response
- 8.4.14 Process Information Distributively
- 8.7.15 Transform Data
- 8.4.15 Produce and Manipulate Video
- 8.7.16 Migrate Data
- 8.10.16 Present User Defined Situational Awareness Information
- 8.4.16 Produce and Manage Media
- 8.7.18 Archive Data
- 8.7.19 Categorize Data

## UNCLASSIFIED FOUO

- 8.4.19 Provide and Manage Graphics
- 8.7.20 Characterize Objects
- 8.4.20 Provide Streaming Video
- 8.7.21 Correlate Data
- 8.4.21 Process Imagery
- 8.7.22 Disseminate Data
- 8.4.22 View Documents
- 8.7.23 Disseminate Time Data
- 8.6.23 Convert Data File Format
- 8.4.23 Execute Command Interpreter and Utility Services
- 8.7.24 Manage Information Delivery
- 8.4.24 Execute Operating System Functions
- 8.7.25 Register Data
- 8.7.26 Replicate Data
- 8.4.26 Perform Batch Processing Services
- 8.7.27 Retrieve Data
- 8.7.28 Provide Database Utilities
- 8.7.29 Manage Data Storage
- 8.4.29 Provide Display Object Services
- 8.7.30 Populate Data Repositories
- 8.7.31 Allocate Storage Resources
- 8.7.32 Manage Metadata
- 8.5.32 Reroute Messages
- 8.7.33 Transfer Application Data
- 8.4.33 Provide Printing Services
- 8.7.34 Verify Data
- 8.4.34 Support Multimedia Processing
- 8.7.35 Regulate Data Flow
- 8.4.35 Window Management Services
- 8.7.36 Post or Publish Data
- 8.7.37 Ensure Data Asset Visibility
- 8.7.38 Provide Visibility of Data Storage Infrastructure
- 8.7.40 Format Data
- 8.7.41 Provide Directory Services
- 8.7.42 Request Data
- 8.2.42 Provide User Single Sign-On
- 8.7.44 Mediate Data
- 8.7.47 Synchronize Data
- 8.7.48 Monitor Data

## UNCLASSIFIED FOUO

- 8.7.49 Submit Information Requirements
- 8.1.51 Provide Machine-to-Machine Data Access Mechanisms
- 8.7.54 Convert Analog Data to Digital Data
- 8.7.56 Maintain Address Book
- 8.7.57 Maintain Distributed Archives
- 8.7.60 Manage Enterprise Storage Resources
- 8.7.62 Monitor System/Resource Allocation
- 8.7.63 Search within Context
- 8.7.65 Perform Text Searches
- 8.7.69 Query Unit and Infrastructure Strength and Limitations
- 8.7.79 Recover Data
- 8.7.81 Store Data
- 8.7.82 Retain Data
- 8.7.83 Manage and Manipulate File and File Systems
- 8.7.84 Perform Multilevel Security Data Filtering
- 8.7.85 Perform Distributed Data Services
- 8.7.86 Analyze and Organize Data
- 8.7.87 Validate Request for Information
- 8.7.91 Acquire Data
- 8.7.94 Store Applications
- 8.7.97 Report Query Results
- 8.7.98 Perform Data Check
- 9.2.1 Perform Built-In Test (BIT)
- 9.1.24 Track Fault Data
- 14.1.1 Collect and Process SIGINT
- 14.1.2 Collect and Process IMINT Data
- 14.1.3 Collect and Process MASINT Data
- 14.1.4 Receive and Process HUMINT Data
- 14.1.5 Collect and Process Video Sensor Data
- 14.1.6 Process Intelligence Data
- 14.1.7 Manage Images
- 14.1.8 Rectify Image
- 14.1.9 Convert Image Format
- 14.1.10 Parse HUMINT Report
- 14.1.11 Disseminate Intelligence Products
- 14.1.12 Fuse Single-Source Intelligence Data
- 14.1.13 Fuse Multi-Source Intelligence Data
- 14.1.14 Manage HUMINT Dossier
- 14.1.15 Manage HUMINT Sources

## UNCLASSIFIED FOUO

- 14.1.16 Disseminate High Priority Tactical SIGINT Report
- 14.1.17 Evaluate Collection Results
- 14.1.18 Evaluate Intelligence Collection, Products, Reporting
- 14.1.19 Identify, Prioritize and Validate Intelligence Requirements
- 14.1.20 Generate Intelligence Product Update Requests
- 14.1.21 Extract Automated Feature
- 14.1.22 Correlate Image
- 14.1.23 Perform Imagery Coordinate Mensuration
- 14.1.24 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment
- 14.1.25 Provide Data Assets from IPOE Products
- 14.1.26 Conduct Joint Intelligence Preparation of the Operational Environment
- 14.1.27 Provide Defense Intelligence Services
- 14.1.28 Disseminate Tactical SIGINT Report

**GCCS-M**

- 1.4.19 Direct and Monitor Sensor Employment
- 1.3.19 Detect and Process Electronic Attack
- 2.1.9 Correlate Tracks
- 2.1.10 Associate Tracks
- 2.1.11 Filter Track Report
- 2.1.12 Coordinate Remote Track Reporting
- 2.1.17 Assign Track Number
- 2.2.19 Associate Blue Forces in Proximity to Target
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.30 Evaluate Track Data Fusion
- 3.5.1 Monitor Embedded Mission Readiness
- 3.5.3 Analyze Transportation Asset Visibility
- 3.4.5 Maintain Shared Situational Awareness
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.5.9 Monitor Force Status
- 3.4.11 Translate and Distribute Commanders Intent
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.5.12 Retrieve and Maintain Rules of Engagement (ROE)
- 3.2.17 Generate Unit and Platform Availability
- 3.5.17 Process Asset Specific Information Query
- 3.2.20 Display Resource Movement
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.1 Analyze Natural Environmental Impacts - Group
- 4.2.1 Assess Environment

## UNCLASSIFIED FOUO

- 4.5.2 Evaluate Intelligence
- 4.8.2 Analyze Mission
- 4.1.2 Analyze Atmospheric and Weather Impacts
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.2.2 Perform Natural Environmental & Topographical Analysis
- 4.2.3 Analyze Meteorological Conditions
- 4.3.3 Analyze Operational Situation
- 4.6.4 Identify Status of Forces
- 4.2.4 Assess Meteorological and Oceanographic (METOC) Conditions
- 4.8.6 Analyze COAs
- 4.3.7 Evaluate Operational Environment
- 4.3.8 Evaluate Mission
- 4.6.10 Conduct Assessment of Adversary Strengths and Vulnerability vs. Own
- 4.3.16 Analyze Effects
- 4.8.17 Correlate Events
- 4.8.18 Assess Achievement of Planned Effects
- 4.8.21 Assess Air Battle Impact
- 4.8.23 Assess IO Impact
- 5.2.1 Retrieve Higher Level Guidance
- 5.1.2 Enter and Update Commander's Critical Information Requirements (CCIRs)
- 5.4.2 Support Asset Tasking
- 5.5.2 Determine Force Requirements
- 5.1.3 Manage Guidance and Objectives
- 5.3.3 Generate Logistics Scenarios
- 5.4.5 Determine Operational and Tactical Assets
- 5.4.6 Allocate Platform to Mission
- 5.3.6 Model and Simulate Scenarios
- 5.4.9 Assign Assets/Resources
- 5.4.12 Analyze Theater Supply and Service Units
- 5.1.18 Conduct Information Assurance Planning
- 5.1.25 Create Vehicle Maneuver Plan
- 5.1.36 Create Commanders Guidance
- 5.1.37 Update Commanders Guidance
- 5.1.42 Update Information Assurance Plan
- 5.1.43 Modify Resupply Plan
- 5.1.46 Develop CONOPS
- 5.1.47 Develop Initial Alternative Courses of Action
- 5.1.51 Conduct Force Planning
- 5.1.61 Plan COA: Zone, Area, Route

## UNCLASSIFIED FOUO

- 6.1.1 Coordinate Mission Execution
- 6.1.3 Request External Fire Support
- 6.1.4 Employ Combat Assessment and BDA - Support Assets
- 6.1.5 Execute Tactical Fires and Maneuver Plan
- 6.1.8 Source and Coordinate Preferred COA
- 6.3.11 Integrate Rules of Engagement (ROE)
- 6.1.14 Coordinate and Execute Selected COA
- 6.3.20 Perform Electronic Attack
- 6.3.22 Supply Terminal Guidance Reference Data
- 6.2.47 Determine Electronic Attack Countermeasure
- 7.1.1 Establish Communication Networks
- 7.1.2 Provide Secure Communications
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.1.5 Transfer Data via Packet Switching
- 7.1.6 Track Requests for Information
- 7.1.7 Transfer Data
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.1.9 Transfer Data with Datagram Approach
- 7.1.10 Transfer Data via Circuit Switching
- 7.2.13 Communicate Mission Objectives & Support Needs
- 7.2.16 Communicate Meteorological and Oceanographic (METOC) Data
- 7.1.21 Provide Message Status
- 7.2.23 Deliver Mission-Type Orders to Subordinate Echelons
- 7.1.23 Notify User of Message Arrival
- 7.1.24 Manage E-Mail
- 7.1.26 Communicate Beyond Line of sight Narrowband-Satellite-LPI/LPD
- 7.1.28 Communicate Beyond Line of sight wideband-Satellite-Protected/Hardened
- 7.1.29 Communicate Beyond Line of sight-Multiband Wideband Satellite
- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
- 7.1.44 Conduct Video Conferencing
- 7.1.90 Select Optimum Transmission Path
- 7.1.96 Transmit or Receive Information
- 8.8 Perform User Management Services - Group
- 8.7 Manage Data - Group
- 8.6 Network Configuration - Group
- 8.2 Provide Information Assurance - Group
- 8.7.1 Manage Data Infrastructure
- 8.6.1 Configure Network

## UNCLASSIFIED FOUO

- 8.8.1 Customize User Management
- 8.5.1 Operate Network
- 8.3.1 Establish Network
- 8.4.1 Create and Edit Messages
- 8.2.1 Perform Network Information Assurance
- 8.8.2 Authorize User Roles and Services
- 8.6.2 Disconnect Circuit
- 8.12.2 Initiate Collaboration
- 8.2.2 Detect Security Events
- 8.7.3 Perform Dynamic Routing
- 8.12.3 Perform Collaboration
- 8.1.3 Provide Remote Access
- 8.2.3 Regulate Information Dissemination
- 8.3.3 Establish and Maintain Connectivity
- 8.6.4 Provide Bandwidth
- 8.8.4 Monitor and Adapt User Interface
- 8.3.4 Establish Wireless Battleforce Network
- 8.4.4 Perform Desktop Publishing
- 8.5.5 Adjust Network Resources
- 8.8.5 Assign Roles and Privileges
- 8.12.5 Terminate Collaboration
- 8.1.5 Share Information
- 8.3.5 Establish Circuit
- 8.9.6 Interact with Enterprise Information Environment
- 8.12.6 Conduct Decision Process Collaboration
- 8.3.6 Establish Connectionless Network Services
- 8.4.6 Support Web Browsing
- 8.7.7 Maintain Data Integrity
- 8.3.7 Establish Node Associations
- 8.10.8 Provide Network Manager Human System Integration
- 8.5.8 Maintain Required Quality of Service
- 8.3.8 Authenticate Wireless Network Associations
- 8.2.8 Encrypt Data
- 8.6.10 Maintain NetOps Configuration Monitoring
- 8.3.10 Develop Clients and Servers
- 8.5.11 Monitor Network Usage
- 8.10.11 Provide Data Entry Interface
- 8.2.11 Provide Identity Management Services
- 8.2.13 Implement NSA or NIST Public Key Cryptography

## UNCLASSIFIED FOUO

- 8.1.14 Provide Network Access
- 8.2.14 Provide Tamper Detection Capability
- 8.10.15 Provide Human Performance
- 8.4.16 Produce and Manage Media
- 8.2.16 Provide Transmission Security
- 8.2.17 Maintain Network Classification
- 8.1.17 Perform Data Services
- 8.7.18 Archive Data
- 8.1.19 Conduct Information Management
- 8.1.20 Manage Network Functions
- 8.2.20 Authorize Data Access
- 8.7.22 Disseminate Data
- 8.7.24 Manage Information Delivery
- 8.2.24 Authenticate Data
- 8.1.24 Assess Network
- 8.5.25 Identify Electronic Attack
- 8.1.25 Manage Status of Network Assets
- 8.1.26 Perform System and Network Analysis
- 8.1.27 Terminate Network Connection
- 8.7.28 Provide Database Utilities
- 8.7.29 Manage Data Storage
- 8.1.32 Calculate Circuit Loads
- 8.7.34 Verify Data
- 8.7.43 Mine Data
- 8.1.48 Provide Common Services
- 8.7.49 Submit Information Requirements
- 8.7.51 Characterize Performance
- 8.7.54 Convert Analog Data to Digital Data
- 8.1.54 Select Transmission Path for Ensuring Required Quality of Service (QOS)
- 8.1.58 Manage Trouble Tickets
- 8.7.61 Manage Maintenance Services Database
- 8.7.64 Integrate Data
- 8.7.91 Acquire Data
- 8.7.92 Provide Relevant Information
- 9.1 System Maintenance - Group
  - 9.1.5 Integrate Maintenance and Operations Schedules
    - 9.1.14 Modify Maintenance Plan
    - 9.1.15 Conduct Maintenance Planning
    - 9.1.18 Detect Equipment Faults

## UNCLASSIFIED FOUO

- 9.1.21 Assess Equipment Faults
- 10.2 Transportation - Group
- 10.1 Supply Chain Management - Group
- 10.2.1 Schedule Distribution and Transportation
- 10.1.2 Manage Fuel Distribution System Automatically
- 10.1.4 Process Issue of Goods
- 10.1.5 Track Inventory
- 10.1.6 Register Receipt of Goods
- 10.1.7 Manage Receipt and Acceptance of Goods Transactions
- 10.1.13 Forecast Future Consumption Requirements
- 10.1.14 Track Fuel Inventory
- 10.1.15 Manage Inventory
- 10.1.18 Predict Asset Re-supply Requirements
- 10.1.24 Automatically Detect Supply Needs
- 10.1.29 Manage and Track Fuel Distribution
- 14.1.18 Evaluate Intelligence Collection, Products, Reporting
- 14.1.26 Conduct Joint Intelligence Preparation of the Operational Environment

**GCCS-N**

- 1.1.2 Classify Signals
- 1.1.5 Estimate Multiple Objects
- 1.2.6 Search with Space Sensor
- 1.5.11 Translate Time Data
- 1.3.16 Detect Booby Traps
- 2.2.2 Determine Combat Identity
- 2.1.2 Develop Association Hypothesis
- 2.2.3 Determine Identification Based on Reference Data
- 2.1.3 Manage Air Tracks
- 2.2.4 Determine Track Activity and Status
- 2.2.5 Estimate Object Classification
- 2.1.5 Exploit Moving Target Indicator Information
- 2.2.6 Execute Recognition
- 2.2.7 Declare Identification Level of Confidence
- 2.2.8 Determine Composite ID
- 2.1.8 Fuse Track Measurements
- 2.2.9 Determine Comprehensive Track ID
- 2.1.9 Correlate Tracks
- 2.1.10 Associate Tracks
- 2.2.10 Determine Discrete ID
- 2.2.11 Identify Fused Data Track

## UNCLASSIFIED FOUO

- 2.1.11 Filter Track Report
- 2.1.12 Coordinate Remote Track Reporting
- 2.2.12 Determine Identification Based on Associations
- 2.1.13 Register Data
- 2.2.13 Identify Civilian Air Tracks
- 2.1.14 Align Tracks Geodetically
- 2.1.15 Align Tracks Relatively
- 2.2.16 Determine Organization Identification
- 2.1.16 Align Tracks through Inter-link Reference Frames
- 2.2.17 Resolve Identification Conflicts
- 2.2.18 Determine Blue Force Tracking Identification
- 2.2.19 Associate Blue Forces in Proximity to Target
- 2.1.20 Associate Multi-Sensor Data
- 2.1.23 Assign Track Category
- 2.1.24 Calculate Geolocation
- 2.1.25 Estimate Track Count
- 2.1.27 Extract Feature
- 2.1.30 Evaluate Track Data Fusion
- 3.3 Provide Indications, Warnings, and Alerts - Group
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3.2.1 Generate Common Operational Picture
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.2.3 Generate Battle Damage Scene
- 3.2.7 Identify Weapons Free Zones
- 3.3.7 Integrate Alert Sequencing Doctrine
- 3.4.7 Aggregate Objects
- 3.4.8 Manage Prioritization of Defended Asset Information Sets
- 3.3.9 Warn of Weapons of Mass Destruction (WMD)
- 3.3.10 Generate Indication and Warning (I and W) Reports
- 3.2.10 Configure, Edit, and Display Restricted Navigation Zones
- 3.2.17 Generate Unit and Platform Availability
- 3.2.19 Display Electronic Spectrum Allocation for Area of Concern
- 3.2.26 Track Engagement Status
- 3.2.27 Provide Geospatial Coordinates
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.33 Monitor In-Flight Reporting
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.7 Analyze Targets - Group
- 4.1.1 Analyze Terrain

## UNCLASSIFIED FOUO

- 4.7.8 Retain or Remove Target on or from Target List
- 8.4.20 Provide Streaming Video
- 13.2 System Training Operations - Group

**GCSS CC/JTF**

- 3.4.5 Maintain Shared Situational Awareness
- 3.5.6 Access Joint Asset Information
- 4.6.4 Identify Status of Forces
- 4.8.6 Analyze COAs
- 8.11.1 Fuse Data
- 8.2.1 Perform Network Information Assurance
- 8.8.2 Authorize User Roles and Services
- 8.7.4 Analyze Data
- 8.4.6 Support Web Browsing
- 8.7.7 Maintain Data Integrity
- 8.7.8 Query Data
- 8.7.9 Sort Data
- 8.7.14 Delete Data
- 8.2.20 Authorize Data Access
- 8.7.22 Disseminate Data
- 8.7.27 Retrieve Data
- 8.7.30 Populate Data Repositories
- 8.7.34 Verify Data
- 8.7.36 Post or Publish Data
- 8.7.37 Ensure Data Asset Visibility
- 8.7.44 Mediate Data
- 8.7.50 Discover Data
- 8.7.84 Perform Multilevel Security Data Filtering

**GCSS-  
A**

- 2.1 Perform Tracking - Group
- 3.2.1 Generate Common Operational Picture
- 3.2.2 Generate Common Tactical Picture
- 3.5.2 Update Resource Information
- 3.5.3 Analyze Transportation Asset Visibility
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.5.5 Report Unit and Platform Status
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.5.9 Monitor Force Status
- 3.2.12 Maintain and Display Force Disposition Displays

## UNCLASSIFIED FOUO

- 3.5.18 Monitor Weapon and Ammunition Inventories
- 3.2.25 Present War Reserve Material Readiness
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.6.4 Identify Status of Forces
- 4.6.8 Determine Force Movement
- 4.8.8 Assess Force Readiness
- 5.3.1 Conduct Mission Rehearsal
- 5.3.3 Generate Logistics Scenarios
- 5.3.6 Model and Simulate Scenarios
- 5.4.12 Analyze Theater Supply and Service Units
- 5.1.43 Modify Resupply Plan
- 6.1.1 Coordinate Mission Execution
- 7.1.12 Transfer File
- 7.1.96 Transmit or Receive Information
- 8.12.2 Initiate Collaboration
- 8.1.5 Share Information
- 8.1.14 Provide Network Access
- 8.6.21 Predict Equipment Faults
- 8.7.22 Disseminate Data
- 8.7.92 Provide Relevant Information
- 9.1.2 Track Maintenance Trouble Reports
- 9.1.3 Analyze Theater Maintenance Repair Unit Visibility
- 9.1.5 Integrate Maintenance and Operations Schedules
- 9.1.6 Manage Service Requests
- 9.1.7 Plan Maintenance Part and Material Requirements
- 9.1.8 Schedule Preventative Maintenance Procedures
- 9.1.9 Determine Maintenance Personnel Availability
- 9.1.14 Modify Maintenance Plan
- 9.1.15 Conduct Maintenance Planning
- 9.1.17 Determine Maintenance Solution
- 9.1.18 Detect Equipment Faults
- 9.1.20 Track Maintenance Repairs
- 9.1.21 Assess Equipment Faults
- 9.1.22 Predict Equipment Faults
- 9.1.26 Provide Preventive Maintenance Requirements Instructions
- 10 LOGISTICS - Level 1
- 10.1 Supply Chain Management - Group
- 10.2.1 Schedule Distribution and Transportation
- 10.1.9 Perform Lifecycle Asset Accountability

## UNCLASSIFIED FOUO

- 10.1.11 Update, Store, Display Special Order Requests (SOR)
- 10.1.23 Process Warfighter Supply Needs Entry
- 10.1.24 Automatically Detect Supply Needs
- 10.1.25 Conduct External Resupply Request

**GCSS-AF**

- 3.2.1 Generate Common Operational Picture
- 3.2.2 Generate Common Tactical Picture
- 3.5.3 Analyze Transportation Asset Visibility
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.2.18 Display Geospatial Information Overlay
- 4.8 Perform Mission Assessment - Group
- 4.3.1 Monitor Operational Situation
- 4.5.1 Measure Mission Performance
- 4.3.3 Analyze Operational Situation
- 4.6.5 Prepare Deployment Estimates
- 4.8.6 Analyze COAs
- 4.8.10 Assess Warfighting Resources
- 5.3.1 Conduct Mission Rehearsal
- 5.3.3 Generate Logistics Scenarios
- 5.1.4 Create Network Plans
- 5.3.4 Simulate COAs
- 5.1.10 Generate Input to Missions Plans
- 5.1.42 Update Information Assurance Plan
- 5.1.47 Develop Initial Alternative Courses of Action
- 6.1.1 Coordinate Mission Execution
- 6.1.16 Allocate Troop and Cargo Transport
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.1.5 Transfer Data via Packet Switching
- 7.1.6 Track Requests for Information
- 7.1.7 Transfer Data
- 7.1.9 Transfer Data with Datagram Approach
- 7.1.10 Transfer Data via Circuit Switching
- 7.1.12 Transfer File
- 7.1.13 Identify Communications Assets
- 7.1.14 Respond or Reply to Request for Information
- 7.1.19 Select Message
- 7.2.19 Maintain Routing Information
- 7.1.20 Prioritize Message
- 7.1.21 Provide Message Status

## UNCLASSIFIED FOUO

- 7.1.22 Manage Message Boards
- 7.1.23 Notify User of Message Arrival
- 7.1.24 Manage E-Mail
- 7.1.80 Dynamically Transfer Data Based on Precedence
- 8.8 Perform User Management Services - Group
- 8.7.1 Manage Data Infrastructure
- 8.5.1 Operate Network
- 8.8.1 Customize User Management
- 8.1.1 Provide Network Services
- 8.2.1 Perform Network Information Assurance
- 8.4.1 Create and Edit Messages
- 8.7.2 Manage General Information
- 8.8.2 Authorize User Roles and Services
- 8.5.2 Transmit Data on Established Path
- 8.2.2 Detect Security Events
- 8.5.3 Identify Transmission Paths
- 8.7.3 Perform Dynamic Routing
- 8.1.3 Provide Remote Access
- 8.2.3 Regulate Information Dissemination
- 8.5.4 Manage Network Accounting
- 8.11.4 Analyze Node Data Fusion Assignments
- 8.7.4 Analyze Data
- 8.5.5 Adjust Network Resources
- 8.8.5 Assign Roles and Privileges
- 8.4.5 Manage Documents
- 8.1.5 Share Information
- 8.5.6 Coordinate Network Resource Availability
- 8.8.6 Maintain and Create User Profile
- 8.1.6 Support Communication
- 8.4.6 Support Web Browsing
- 8.5.7 Control Normal Operations
- 8.2.7 Decrypt Data
- 8.10.8 Provide Network Manager Human System Integration
- 8.5.8 Maintain Required Quality of Service
- 8.2.8 Encrypt Data
- 8.2.9 Maintain Secure Data Transmission
- 8.2.10 Monitor Network Security
- 8.5.11 Monitor Network Usage
- 8.1.11 Provide Message Services

## UNCLASSIFIED FOUO

- 8.2.11 Provide Identity Management Services
- 8.1.12 Provide Negotiation services
- 8.1.14 Provide Network Access
- 8.1.15 Provided Shared Production Capabilities
- 8.7.18 Archive Data
- 8.1.19 Conduct Information Management
- 8.1.20 Manage Network Functions
- 8.1.21 Manage Systems
- 8.7.22 Disseminate Data
- 8.1.22 Provide Networked Services and Applications
- 8.1.23 Synchronize Network Timing
- 8.1.24 Assess Network
- 8.1.25 Manage Status of Network Assets
- 8.1.27 Terminate Network Connection
- 8.7.28 Provide Database Utilities
- 8.7.41 Provide Directory Services
- 8.7.92 Provide Relevant Information
- 9.1.12 Maintain Parts Information
- 9.1.23 Perform Diagnostic Testing
- 10.2.1 Schedule Distribution and Transportation
- 10.1.22 Provide Routing and Scheduling
- 10.1.28 Catalog and Identify System Parts
- 12.1.4 Maintain Workforce Directory
- 13.3 Administrative Management of Training - Group
- 13.2 System Training Operations - Group
- 13.1 Operational and Exercise Training - Group
- 13.3.1 Track Training Equipment
- 13.1.1 Generate Training Reports
- 13.2.1 Tag Training Tracks
- 13.2.2 Assess Training Engagement
- 13.1.2 Perform Training Exercise
- 13.3.3 Schedule Training Courses
- 13.2.3 Update Training Situational Awareness
- 13.2.4 Manually Alter Training Events
- 13.3.4 Schedule Training Resources
- 13.1.4 Manage Unit Training
- 13.2.5 Perform Embedded Training
- 13.1.5 Create Exercise Plan
- 13.2.6 Commence Embedded Training

## UNCLASSIFIED FOUO

- 13.1.6 Evaluate Training
- 13.2.7 Terminate Embedded Training
- 13.3.7 Allocate Training Resources
- 13.2.8 Pause Embedded Training
- 13.3.8 Maintain Attendance and Completion Records
- 13.2.9 Return to Training
- 13.2.10 Perform System Training Stimulation
- 13.2.11 Perform System Training Simulation
- 13.3.12 Manage Resources
- 13.2.12 Perform Training Event Playback and Analysis
- 13.2.13 Set System Safeties for Training
- 13.3.14 Maintain Training Records
- 13.2.14 Conduct Individual Computer Generated Instruction
- 13.2.15 Conduct Training Control
- 13.3.23 Develop Long Range Training Planning Calendar
- 13.3.24 Develop Quarterly Training Guidance Plan
- 13.3.25 Develop Short Range Planning Calendar
- 13.3.26 Develop Unit Training Schedule

**GCSS-MC/LMC**

- 1.1 Signal Receipt & Processing - Group
- 1.1.15 Process Electro-Optical/Infrared (EO/IR) Data
- 2.1.9 Correlate Tracks
- 2.1.12 Coordinate Remote Track Reporting
- 3.5.3 Analyze Transportation Asset Visibility
- 3.2.27 Provide Geospatial Coordinates
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.1.2 Analyze Atmospheric and Weather Impacts
- 4.3.3 Analyze Operational Situation
- 4.2.4 Assess Meteorological and Oceanographic (METOC) Conditions
- 4.3.7 Evaluate Operational Environment
- 4.6.10 Conduct Assessment of Adversary Strengths and Vulnerability vs.Own
- 4.6.18 Predict Sensor Performance and Calculate Sensor Coverage
- 4.8.23 Assess IO Impact
- 5.5.2 Determine Force Requirements
- 5.3.3 Generate Logistics Scenarios
- 5.1.14 Create Maneuver Plans
- 5.1.25 Create Vehicle Maneuver Plan
- 5.1.32 Format and Integrate In-Flight Weapon Plan
- 5.1.35 Update Communications Network Plan

## UNCLASSIFIED FOUO

- 5.1.46 Develop CONOPS
- 5.1.47 Develop Initial Alternative Courses of Action
- 6.1.4 Employ Combat Assessment and BDA - Support Assets
  - 6.1.14 Coordinate and Execute Selected COA
  - 6.1.16 Allocate Troop and Cargo Transport
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
  - 7.1.7 Transfer Data
    - 7.1.8 Transfer Data via a Virtual Circuit
    - 7.1.9 Transfer Data with Datagram Approach
    - 7.1.10 Transfer Data via Circuit Switching
  - 7.1.23 Notify User of Message Arrival
  - 7.1.24 Manage E-Mail
    - 7.1.26 Communicate Beyond Line of sight Narrowband-Satellite-LPI/LPD
    - 7.1.28 Communicate Beyond Line of sight wideband-Satellite-Protected/Hardened
    - 7.1.29 Communicate Beyond Line of sight-Multiband Wideband Satellite
    - 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
  - 7.1.96 Transmit or Receive Information
- 8.4.1 Create and Edit Messages
- 8.3.1 Establish Network
  - 8.2.2 Detect Security Events
  - 8.12.3 Perform Collaboration
    - 8.3.3 Establish and Maintain Connectivity
  - 8.2.3 Regulate Information Dissemination
- 8.6.4 Provide Bandwidth
  - 8.3.4 Establish Wireless Battleforce Network
- 8.8.5 Assign Roles and Privileges
- 8.12.5 Terminate Collaboration
  - 8.3.5 Establish Circuit
- 8.4.6 Support Web Browsing
  - 8.3.7 Establish Node Associations
- 8.10.8 Provide Network Manager Human System Integration
- 8.1.9 Provide Network Applications Services
  - 8.3.9 Load Applications
- 8.6.10 Maintain NetOps Configuration Monitoring
- 8.10.11 Provide Data Entry Interface
- 8.5.11 Monitor Network Usage
- 8.1.11 Provide Message Services
- 8.2.13 Implement NSA or NIST Public Key Cryptography
- 8.1.14 Provide Network Access

## UNCLASSIFIED FOUO

- 8.2.16 Provide Transmission Security
- 8.1.17 Perform Data Services
- 8.2.20 Authorize Data Access
- 8.1.22 Provide Networked Services and Applications
- 8.1.27 Terminate Network Connection
- 8.7.28 Provide Database Utilities
- 8.7.43 Mine Data
- 8.7.51 Characterize Performance
- 8.7.92 Provide Relevant Information
- 9.2.4 Perform Network Fault Isolation and Reconfiguration
- 9.1.11 Schedule Inspections
- 9.1.15 Conduct Maintenance Planning
- 11 MEDICAL - Level 1
- 11.2 Manage Medical Information - Group
- 11.1.1 Modify Medical Plan
- 11.3.2 Identify Means of Medical Evacuation
- 11.2.3 Provide Blood Availability Status
- 11.1.3 Assign Appropriate Medical Facilities
- 11.2.5 Interface with Defense Medical Logistics Support System (DMLSS)
- 11.3.6 Analyze Medical Threat and Risk
- 11.3.7 Identify Medical Asset Status
- 11.2.7 Provide Global Patient Status Visibility
- 11.3.8 Identify Medical Asset Capabilities
- 11.3.10 Conduct Medical Planning

**GST**

- 1.3.2 Detect Indications and Warnings
- 3.2.1 Generate Common Operational Picture
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.4.10 Integrate Information on Potential Adversary COA
- 3.4.11 Translate and Distribute Commanders Intent
- 3.4.17 Update Enemy Profiles
- 3.4.19 Share Information
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 4.5.1 Measure Mission Performance
- 4.8.1 Assess Mission Effectiveness
- 4.7.1 Analyze Target Areas
- 4.3.1 Monitor Operational Situation
- 4.8.2 Analyze Mission
- 4.3.2 Identify Threat Courses of Action (COA)

## UNCLASSIFIED FOUO

- 4.5.2 Evaluate Intelligence
- 4.6.3 Predict Situation Effects
- 4.3.3 Analyze Operational Situation
- 4.8.4 Evaluate and Assess Engagement Effectiveness
- 4.3.5 Identify Target System Vulnerability
- 4.8.6 Analyze COAs
- 4.3.6 Estimate Enemy Capability Levels
- 4.6.6 Analyze Blue Force Vulnerability
- 4.3.7 Evaluate Operational Environment
- 4.6.10 Conduct Assessment of Adversary Strengths and Vulnerability vs.Own
- 4.8.11 Assess Threats
- 4.6.15 Determine Best Positioning for Access to the Adversary
- 4.3.16 Analyze Effects
- 4.6.17 Specify Required Effects
- 4.8.18 Assess Achievement of Planned Effects
- 4.3.18 Assess Effect
- 4.8.20 Analyze Resource Tasking and Control
- 4.3.21 Analyze Effects (value)
- 4.6.23 Analyze Vulnerability
- 4.6.24 Evaluate Potential Targets
- 4.8.25 Exploit Intelligence
- 4.6.25 Predict Enemy Intent
- 4.8.26 Assess from Multiple Perspectives
- 4.6.30 Create Dynamically Predictive Plans
- 5.1.15 Create Strategic Plans
- 5.1.22 Create Target & Threat Plans
- 5.1.36 Create Commanders Guidance
- 5.1.37 Update Commanders Guidance
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.50 Draft Warning Order
- 5.1.51 Conduct Force Planning
- 5.1.52 Create Tactical Plans/ Orders
- 6.1.14 Coordinate and Execute Selected COA
- 7.2.27 Exchange Messages Synchronously
- 8.10.3 Display Data
- 8.7.4 Analyze Data
- 8.7.6 Update Data
- 8.7.8 Query Data

## UNCLASSIFIED FOUO

- 8.10.9 Provide Automated Interfaces to Current System Planning Tools
- 8.7.9 Sort Data
- 8.7.10 Filter Information
- 8.10.11 Provide Data Entry Interface
- 8.7.86 Analyze and Organize Data
- 14.1.26 Conduct Joint Intelligence Preparation of the Operational Environment
- 14.1.27 Provide Defense Intelligence Services

**HSIN**

- 3.4.5 Maintain Shared Situational Awareness
- 3.5.13 Monitor Information Operations (IO)
- 4.3.16 Analyze Effects
- 7.1.1 Establish Communication Networks
- 7.1.2 Provide Secure Communications
- 7.1.3 Employ Conference Communications Services
- 7.1.9 Transfer Data with Datagram Approach
- 7.1.11 Transfer Information Over Multiple Channels Simultaneously
- 7.2.12 Communicate Status
- 7.2.13 Communicate Mission Objectives & Support Needs
- 7.1.51 Broadcast Information
- 8.12 Enterprise Collaboration Services
  - 8.12.1 Manage Collaboration Activities
  - 8.12.2 Initiate Collaboration
  - 8.12.3 Perform Collaboration
  - 8.12.4 Allocate and Manage Collaboration Communications
  - 8.12.5 Terminate Collaboration
- 8.1.5 Share Information
- 8.12.6 Conduct Decision Process Collaboration
- 8.12.7 Manage Collaboration Resources
- 8.2.7 Decrypt Data
- 8.12.8 Determine Collaboration Resource Availability
- 8.2.8 Encrypt Data
- 8.12.9 Provide Common Workspace
- 8.2.9 Maintain Secure Data Transmission
- 8.2.15 Provide Cryptographic Services
- 8.10.16 Present User Defined Situational Awareness Information
- 8.1.19 Conduct Information Management
- 8.1.31 Maintain Global Directory Service
- 8.7.46 Determine Data Requirements
- 8.7.81 Store Data

## UNCLASSIFIED FOUO

- IBCS**
- 8.7.86 Analyze and Organize Data
    - 1.1 Signal Receipt & Processing - Group
    - 1.4 Sensor Management - Group
      - 1 SENSE - Level 1
        - 1.1.1 Receive and Process Signals
        - 1.5.1 Detect Navigation Signals
        - 1.4.1 Fuse Sensor Data
        - 1.5.2 Receive Navigation Signals
        - 1.4.3 Identify Current Platform and Sensor Tasking
        - 1.1.3 Process IFF Signals
        - 1.5.3 Recognize Navigation Signals
        - 1.4.4 Control Search Parameters
        - 1.5.5 Process Navigation Signals
        - 1.4.5 Manage Sensors
        - 1.4.6 Coordinate Sensor Employment with Operational Plans and Employment
        - 1.1.6 Associate IFF Response
        - 1.1.7 Register Electromagnetic Signals
        - 1.3.7 Sense Threat
        - 1.2.7 Interrogate Track for IFF
        - 1.5.9 Distribute Precision Navigation and Time Data
        - 1.4.9 Generate Theater and External ISR Sensor Tasking
        - 1.4.10 Generate Sensor Coverage
        - 1.5.10 Translate Navigation Data
        - 1.4.11 Maintain Sensor Configurations
        - 1.5.11 Translate Time Data
        - 1.3.12 Detect SIGINT Data
        - 1.1.12 Estimate a Single Object
        - 1.4.12 Characterize Sensors
        - 1.4.13 Generate Sensor Tasking
        - 1.4.14 Control Sensor Operating Parameters
        - 1.1.14 Receive MTI Data
        - 1.4.15 Process Source Requirements
        - 1.4.17 Determine Time to Sensor Availability
        - 1.3.17 Detect IFF Response
        - 1.4.18 Identify Current Platform and Sensor Tasking
        - 1.4.19 Direct and Monitor Sensor Employment
        - 1.4.20 Determine Platform and Sensor Status
        - 1.4.21 Assess Sensor Performance

## UNCLASSIFIED FOUO

- 1.4.22 Calculate Sensor Error or Uncertainty
- 1.4.27 Reconfigure Netted Sensor Grid Dynamically
- 1.4.31 Process Intelligence Surveillance and Reconnaissance (ISR) Support Requests
- 1.4.32 Control GEOINT Sensor
- 2 MANAGE TRACKING and TRACKS - Level 1
  - 2.1 Perform Tracking - Group
    - 2.1.1 Form Tracks
  - 2.2 Combat Identification - Group
    - 2.2.1 Determine Combat Identification
    - 2.2.2 Develop Association Hypothesis
    - 2.2.3 Determine Identification Based on Reference Data
    - 2.2.4 Determine Track Activity and Status
    - 2.2.5 Estimate Object Classification
    - 2.2.6 Determine Identification Based on Associations
    - 2.2.7 Declare Identification Level of Confidence
    - 2.2.8 Determine Composite ID
    - 2.2.9 Determine Comprehensive Track ID
    - 2.2.10 Determine Discrete ID
    - 2.2.11 Identify Fused Data Track
    - 2.2.12 Determine Identification Based on Associations
    - 2.2.13 Register Data
    - 2.2.14 Identify Civilian Air Tracks
    - 2.2.15 Determine Procedural Identification
    - 2.2.16 Determine Organization Identification
    - 2.2.17 Resolve Identification Conflicts
    - 2.2.18 Determine Blue Force Tracking Identification
    - 2.2.19 Align Multi-Sensor Data
  - 2.1.2 Manage Air Tracks
    - 2.1.2.1 Determine Identification Based on Reference Data
    - 2.1.2.2 Determine Track Activity and Status
    - 2.1.2.3 Estimate Object Classification
  - 2.1.3 Fuse Track Measurements
  - 2.1.4 Determine Composite ID
  - 2.1.5 Determine Comprehensive Track ID
  - 2.1.6 Correlate Tracks
  - 2.1.7 Determine Discrete ID
  - 2.1.8 Associate Tracks
  - 2.1.9 Filter Track Report
  - 2.1.10 Coordinate Remote Track Reporting
  - 2.1.11 Align Tracks Geodetically
  - 2.1.12 Align Tracks Relatively
  - 2.1.13 Align Tracks through Inter-link Reference Frames
  - 2.1.14 Assign Track Number
  - 2.1.15 Generate Global Track Number
  - 2.1.16 Align Tracks Geodetically
  - 2.1.17 Align Tracks Relatively
  - 2.1.18 Align Tracks through Inter-link Reference Frames
  - 2.1.19 Assign Track Number
  - 2.1.20 Generate Global Track Number

## UNCLASSIFIED FOUO

- 2.2.19 Associate Blue Forces in Proximity to Target
- 2.1.20 Associate Multi-Sensor Data
- 2.1.21 Update Existing Track
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.23 Assign Track Category
- 2.1.24 Calculate Geolocation
- 2.1.25 Estimate Track Count
- 2.1.26 Maintain Track History
- 2.1.27 Extract Feature
- 2.1.29 Update Target, Intelligence, and System Profiles
- 2.1.30 Evaluate Track Data Fusion
- 2.1.31 Fuse Track Data
- 2.1.32 Determine Line of Bearing (LOB) Point of Origin
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3.5 Monitor Mission Readiness - Group
- 3.3.1 Provide Real-Time Threat Warning
- 3.5.1 Monitor Embedded Mission Readiness
- 3.5.2 Update Resource Information
- 3.3.2 Identify Occurrence of ISR Event
- 3.2.2 Generate Common Tactical Picture
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.2.3 Generate Battle Damage Scene
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.3.5 Generate Alert
- 3.5.5 Report Unit and Platform Status
- 3.2.6 Generate Target Coordinates
- 3.2.7 Identify Weapons Free Zones
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.4.8 Manage Prioritization of Defended Asset Information Sets
- 3.2.9 Configure, Edit, and Display No-Fly Zones
- 3.5.9 Monitor Force Status
- 3.4.9 Aggregate and Present Blue Force Tracks
- 3.4.10 Integrate Information on Potential Adversary COA
- 3.4.11 Translate and Distribute Commanders Intent
- 3.5.12 Retrieve and Maintain Rules of Engagement (ROE)
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.4.13 Manage Airspace Control Measures

## UNCLASSIFIED FOUO

- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.5.14 Confirm Asset or Sensor Availability
- 3.5.15 Define Required Launch Platform State
- 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
- 3.2.16 Provide OPLAN Visibility
- 3.4.16 Record Events for Post Operations Analysis
- 3.2.17 Generate Unit and Platform Availability
- 3.4.17 Update Enemy Profiles
- 3.5.18 Monitor Weapon and Ammunition Inventories
- 3.2.18 Display Geospatial Information Overlay
- 3.4.18 Provide Performance Data for Presentation
- 3.5.19 Display and Monitor Sensor Assets
- 3.4.19 Share Information
- 3.2.20 Display Resource Movement
- 3.2.23 Identify Joint Engagement Zone
- 3.2.26 Track Engagement Status
- 3.2.27 Provide Geospatial Coordinates
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.32 Mensurate Object Coordinates
- 3.2.33 Monitor In-Flight Reporting
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.1 Analyze Natural Environmental Impacts - Group
  - 4.1.1 Analyze Terrain
- 4.6.1 Determine Engageability
- 4.3.1 Monitor Operational Situation
- 4.5.1 Measure Mission Performance
- 4.8.2 Analyze Mission
- 4.5.2 Evaluate Intelligence
- 4.6.2 Estimate Factors Affecting Weapon Performance
- 4.1.2 Analyze Atmospheric and Weather Impacts
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.6.3 Predict Situation Effects
- 4.8.3 Determine Platform-Target Weapon Pairing
- 4.1.3 Determine Electromagnetic Interference (EMI) Impact
- 4.3.3 Analyze Operational Situation
- 4.8.4 Evaluate and Assess Engagement Effectiveness
- 4.3.4 Identify Weapon Danger Zones
- 4.8.5 Determine Weapon Availability
- 4.6.5 Prepare Deployment Estimates

## UNCLASSIFIED FOUO

- 4.7.6 Predict Target Future Movements
- 4.8.6 Analyze COAs
- 4.8.7 Analyze Potential Air or Space Conflicts
- 4.6.7 Determine Enemy Courses of Action (COA)
- 4.3.8 Evaluate Mission
- 4.6.9 Calculate Weapons Performance
- 4.8.9 Identify Rules of Engagement (ROE) Cues
- 4.6.10 Conduct Assessment of Adversary Strengths and Vulnerability vs. Own
- 4.8.10 Assess Warfighting Resources
- 4.8.11 Assess Threats
- 4.6.11 Estimate Extent of Target Damage or Destruction
- 4.3.12 Analyze and Filter Fusion Product Information
- 4.6.12 Estimate Weapons Effectiveness
- 4.6.15 Determine Best Positioning for Access to the Adversary
- 4.3.16 Analyze Effects
- 4.6.17 Specify Required Effects
- 4.3.17 Assess Battle Damage in Real-Time
- 4.3.18 Assess Effect
- 4.6.18 Predict Sensor Performance and Calculate Sensor Coverage
- 4.3.20 Analyze Effects (value)
- 4.6.20 Select Best Attack Asset
- 4.6.21 Calculate Probability of Engagement Effectiveness
- 4.3.22 Assess Battle Damage
- 4.6.22 Calculate Hit Probability Relative to Target Location Error
- 4.3.23 Assess Damage Reports
- 4.6.25 Predict Enemy Intent
- 4.6.27 Determine Time to Complete the Mission
- 4.6.34 Refine Aim Point Location
- 4.6.35 Predict Intercept
- 4.6.39 Project Tracks Future Position
- 4.6.40 Generate Attack Window
- 5.5.1 Identify Weapon Control Parameters
- 5.4.1 Assign Coverage
- 5.3.1 Conduct Mission Rehearsal
- 5.2.1 Retrieve Higher Level Guidance
- 5.3.2 Generate Enemy Scenarios
- 5.1.3 Manage Guidance and Objectives
- 5.1.4 Create Network Plans
- 5.3.4 Simulate COAs

## UNCLASSIFIED FOUO

- 5.4.4 Allocate Air Defense Systems
- 5.4.5 Determine Operational and Tactical Assets
- 5.3.6 Model and Simulate Scenarios
- 5.4.6 Allocate Platform to Mission
- 5.3.8 Generate Wargaming Scenarios
- 5.1.10 Generate Input to Missions Plans
- 5.1.11 Create Sensor Plans
- 5.1.13 Create Weapons Plans
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.47 Develop Initial Alternative Courses of Action
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.49 Plan Target-Weapon Type Pairing
- 5.1.50 Draft Warning Order
- 5.1.52 Create Tactical Plans/ Orders
- 5.1.55 Create CBR Defense Plans
- 5.1.56 Generate Enemy Order of Battle (EOB)
- 5.1.61 Plan COA: Zone, Area, Route
- 5.1.62 Deconflict the Airspace
- 5.1.65 Develop and Promulgate Rules of Engagement (ROE)
- 6.1.1 Coordinate Mission Execution
- 6.2.1 Provide Re-attack Recommendation
- 6.3.1 Generate Engagement Orders
- 6.2.2 Optimize Configuration
- 6.3.2 Process Engagement Orders
- 6.2.3 Develop Targets
- 6.3.3 Execute Engagement
- 6.3.4 Configure Weapons
- 6.2.4 Determine Attack Window
- 6.2.5 Calculate Weapon Delivery
- 6.3.5 Control Munitions
- 6.1.7 Task Combat and Battle Damage Assessment Support Assets
- 6.3.7 Guide Weapons
- 6.2.7 Optimize Target Value vs. Weapon Value
- 6.2.8 Produce Engagement Schedules
- 6.3.8 Monitor Weapon Status
- 6.1.8 Source and Coordinate Preferred COA
- 6.3.9 Conduct Manual Engagement
- 6.1.9 Control Mission

## UNCLASSIFIED FOUO

- 6.3.10 Monitor Mission Engagement
- 6.3.11 Integrate Rules of Engagement (ROE)
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.1.12 Destroy In Place
- 6.3.12 Cancel Engagement
- 6.2.12 Define Attack Guidance
- 6.3.13 Identify Target for Weapon Employment
- 6.2.13 Update Attack Guidance
- 6.1.14 Coordinate and Execute Selected COA
- 6.3.14 Locate Target
- 6.2.14 Provide Optimized Attack Solutions
- 6.1.15 Prosecute Target
- 6.2.15 Recommend Unit Maneuvers
- 6.3.15 Conduct Automatic Engagement
- 6.3.16 Engage Target With External Source
- 6.2.17 Process Air Support Request
- 6.1.18 Generate Coverage Orders
- 6.2.18 Generate Mission Change Order
- 6.1.19 Execute Sensor Collection
- 6.2.19 Process Engagement Orders
- 6.1.20 Position System
- 6.2.20 Determine System Configuration
- 6.3.21 Conduct Semi-Automatic Engagement
- 6.2.21 Dynamically Deconflict Engagement
- 6.1.21 Coordinate Mission Weapon Employment
- 6.3.22 Supply Terminal Guidance Reference Data
- 6.1.23 Control Emission Control (EMCON) Operations
- 6.2.23 Create Movement Orders
- 6.2.24 Generate Tactical Parameter Orders
- 6.1.25 Manage Weapon Hand-Over
- 6.2.25 Select Appropriate Lethal or Non-Lethal Attack System
- 6.1.26 Generate Orders to Align System Parameters
- 6.2.26 Synchronize Tactics and Engagement Assignments
- 6.2.27 Task or Re-task Targeting Assets
- 6.1.27 Direct Maneuvers
- 6.2.28 Establish Sensor to Shooter Linkages
- 6.1.28 Employ Electronic Counter-Counter Measures
- 6.1.29 Designate Track
- 6.1.30 Convert Sensor Asset Requests into Sensor Control Orders

## UNCLASSIFIED FOUO

- 6.2.30 Resolve Battlespace Conflicts
- 6.1.31 Process Sensor Collection Requests
- 6.2.32 Assign System Coverage
- 6.1.32 Request External Sensor Tasking
- 6.2.33 Adjust Engagement Schedules
- 6.2.34 Compute Fire Control Solution
- 6.2.35 Evaluate Weapons Intercept Volume
- 6.2.36 Generate Engagement Decision Response
- 6.2.38 Generate Mission Change Request
- 6.2.40 Request Waiver to Rules of Engagement (ROE)
- 6.2.42 Select Surface-to-Air
- 6.2.44 Determine Engagement Options and Generate Weapons Employment
- 6.2.46 Task or Retask Attack Assets
- 6.2.47 Determine Electronic Attack Countermeasure
- 7.1 Provide Ability to Communicate - Group
- 7.1.1 Establish Communication Networks
- 7.2.1 Transmit Navigation Signal
- 7.3.1 Control Data Link
- 7.2.2 Transmit Weapons Recommendations
- 7.1.2 Provide Secure Communications
- 7.3.3 Control Operational Mode of Transport Services
- 7.2.3 Transmit Engagement Orders
- 7.1.3 Employ Conference Communications Services
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.3.5 Translate and Forward Data
- 7.1.5 Transfer Data via Packet Switching
- 7.2.5 Receive Mission Update
- 7.3.6 Operate In Receive-Only Mode
- 7.2.6 Transmit Coverage Plan
- 7.1.7 Transfer Data
- 7.3.7 Control Data Link Router
- 7.2.7 Receive Strategic Mission & Guidance
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.3.8 Exchange Link-22 and TADIL A/B Data
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.1.9 Transfer Data with Datagram Approach
- 7.3.9 Filter Translation or Forwarding
- 7.1.10 Transfer Data via Circuit Switching

## UNCLASSIFIED FOUO

- 7.2.10 Transmit Configuration Orders
- 7.3.11 Forward Ground-based Link (GBDL)
- 7.1.11 Transfer Information Over Multiple Channels Simultaneously
- 7.2.11 Communicate Force Information
- 7.2.12 Communicate Status
- 7.1.12 Transfer File
- 7.3.12 Forward Link Data
- 7.1.13 Identify Communications Assets
- 7.3.13 Forward NATO Link-1
- 7.2.13 Communicate Mission Objectives & Support Needs
- 7.3.14 Forward Point-to-Point Data Link (PPDL)
- 7.2.14 Communicate Engagement Orders
- 7.3.15 Incorporate Unit Linked Data
- 7.2.15 Communicate with Weapon During Flyout
- 7.3.16 Interface with Data Forwarding Controls
- 7.2.16 Communicate Meteorological and Oceanographic (METOC) Data
- 7.3.17 Forward Data Over-the-Horizon
- 7.2.17 Communicate Mission Information
- 7.2.18 Communicate Geodesy Data
- 7.1.19 Select Message
- 7.2.19 Maintain Routing Information
- 7.2.20 Collect and Route Signals
- 7.1.20 Prioritize Message
- 7.2.21 Transmit Sense Data
- 7.1.21 Provide Message Status
- 7.2.22 Control Use of Information Transfer System
- 7.1.23 Notify User of Message Arrival
- 7.2.23 Deliver Mission-Type Orders to Subordinate Echelons
- 7.1.24 Manage E-Mail
- 7.2.24 Forward Message
- 7.2.25 Exchange Messages Asynchronously
- 7.1.25 Communicate Beyond Line of Sight Anti Jam Wideband Satellite
- 7.1.26 Communicate Beyond Line of sight Narrowband-Satellite-LPI/LPD
- 7.2.27 Exchange Messages Synchronously
- 7.2.28 Retransmit or Cross-Band Information
- 7.1.28 Communicate Beyond Line of sight wideband-Satellite-Protected/Hardened
- 7.1.29 Communicate Beyond Line of sight-Multiband Wideband Satellite
- 7.2.29 Transmit Measurement Data
- 7.2.30 Transmit Track Data

## UNCLASSIFIED FOUO

- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
- 7.1.32 Communicate Beyond Line of sight-Narrowband-Satellite-Protected/Hardened
- 7.2.33 Disseminate Cryptographic Policy
- 7.1.34 Communicate Beyond Line of sight-Wideband MILSAT
- 7.2.34 Relay Communications
- 7.1.35 Communicate Beyond Line of sight-Wideband-Satellite-LPI/LPD
- 7.1.36 Communicate Beyond Line of sight-Wideband-Satellite-Single Band/Multilink
- 7.1.37 Communications Net Message Translation
- 7.1.38 Communicate Beyond Line of Sight Anti Jam Narrowband Satellite
- 7.1.39 Control Communications
- 7.1.41 Provide Line-of-Sight Communications
- 7.1.44 Conduct Video Conferencing
- 7.1.45 Coordinate Tactical Reach-Back
- 7.1.46 Dynamically Switch or Route Unicast (point-to-point), Multicast, and Broadcast T
- 7.1.47 Limit Scope and Impact of Multicast Traffic on Network
- 7.1.49 Perform Dynamic Data Transmission Path Selection
- 7.1.54 Provide Beyond Line-of-Sight Communications
- 7.1.55 Manage Messaging Services
- 7.1.56 Provide Shared Audio Visualization Capabilities
- 7.1.57 Control Power Output for Transmitters
- 7.1.60 Determine Signal Loss between Satellite and Earth Site
- 7.1.61 Determine Transponder & Receiver Power Noise
- 7.1.62 Determine Signal Power Received at Satellite & Earth Station
- 7.1.64 Demultiplex Data Transmission
- 7.1.65 Ensure Non-Repudiation
- 7.1.66 Demodulate an Analog Signal
- 7.1.67 Determine Spectrum Availability for User
- 7.1.68 Monitor RF Spectrum
- 7.1.69 Multiplex Data for Transmission
- 7.1.70 Monitor & Adjust Beam Coverage
- 7.1.71 Monitor Frequency Allocation Requirement Satisfaction
- 7.1.72 Operate Within Selected Frequency Range
- 7.1.73 Perform Voice Multiplexing or Demultiplexing
- 7.1.74 Perform Interference Analysis
- 7.1.75 Prepare Communication Budget Calculations
- 7.1.76 Provide Frequency Allocations
- 7.1.77 Coordinate Message Delivery
- 7.1.78 Collect & Store Satellite Link Status Relative to Link Budget
- 7.1.79 Address Data by Position or Organization

## UNCLASSIFIED FOUO

- 7.1.80 Dynamically Transfer Data Based on Precedence
- 7.1.81 Automatically Select Frequency
- 7.1.82 Conduct Automated Load Balancing
- 7.1.83 Conduct Transmission Error Detection and Correction
- 7.1.84 Modulate Digital Data
- 7.1.85 Scan Radio Frequencies
- 7.1.87 Communicate via Radio Frequency (RF) Communications
- 7.1.88 Communicate Signals via Line Communications
- 7.1.89 Dynamically Manage or Allocate Frequencies
- 7.1.90 Select Optimum Transmission Path
- 7.1.92 Communicate System Status Out-of-Band
- 7.1.93 Communicate Data across Multiple Classification Domains
- 7.1.95 Disseminate Sensor Products
- 7.1.96 Transmit or Receive Information
- 7.1.97 Transmit in Variety of Waveforms
- 8.11.1 Fuse Data
- 8.10.1 Integrate Human Machine Interface
- 8.5.1 Operate Network
- 8.8.1 Customize User Management
- 8.12.1 Manage Collaboration Activities
- 8.7.1 Manage Data Infrastructure
- 8.6.1 Configure Network
- 8.4.1 Create and Edit Messages
- 8.3.1 Establish Network
- 8.1.1 Provide Network Services
- 8.2.1 Perform Network Information Assurance
- 8.8.2 Authorize User Roles and Services
- 8.6.2 Disconnect Circuit
- 8.12.2 Initiate Collaboration
- 8.5.2 Transmit Data on Established Path
- 8.7.2 Manage General Information
- 8.2.2 Detect Security Events
- 8.3.2 Dynamically Configure or Reconfigure Network
- 8.5.3 Identify Transmission Paths
- 8.8.3 Manage Accounts
- 8.10.3 Display Data
- 8.6.3 Support Domain Waveform
- 8.7.3 Perform Dynamic Routing
- 8.12.3 Perform Collaboration

## UNCLASSIFIED FOUO

- 8.2.3 Regulate Information Dissemination
- 8.3.3 Establish and Maintain Connectivity
- 8.12.4 Allocate and Manage Collaboration Communications
- 8.6.4 Provide Bandwidth
- 8.5.4 Manage Network Accounting
- 8.7.4 Analyze Data
- 8.1.4 Route Data
- 8.3.4 Establish Wireless Battleforce Network
- 8.2.4 Render Useless
- 8.4.4 Perform Desktop Publishing
- 8.11.5 ID Product Types for Data Fusion
- 8.8.5 Assign Roles and Priviledges
- 8.7.5 Translate Data
- 8.6.5 Establish and Maintain RF Array Geometry
- 8.12.5 Terminate Collaboration
- 8.5.5 Adjust Network Resources
- 8.10.5 Provide Feedback on User Input and Actions
- 8.1.5 Share Information
- 8.3.5 Establish Circuit
- 8.4.5 Manage Documents
- 8.2.5 Provide Confidentiality Services
- 8.12.6 Conduct Decision Process Collaboration
- 8.5.6 Coordinate Network Resource Availability
- 8.8.6 Maintain and Create User Profile
- 8.3.6 Establish Connectionless Network Services
- 8.2.6 Provide Entity Authentication Services
- 8.1.6 Support Communication
- 8.7.6 Update Data
- 8.12.7 Manage Collaboration Resources
- 8.6.7 Determine System Availability
- 8.5.7 Control Normal Operations
- 8.7.7 Maintain Data Integrity
- 8.2.7 Decrypt Data
- 8.3.7 Establish Node Associations
- 8.4.7 Spell and Grammar Check Documents
- 8.5.8 Maintain Required Quality of Service
- 8.12.8 Determine Collaboration Resource Availability
- 8.6.8 Notify Node of Pending Termination
- 8.10.8 Provide Network Manager Human System Integration

## UNCLASSIFIED FOUO

- 8.8.8 Manage Cryptographic Accounts
- 8.3.8 Authenticate Wireless Network Associations
- 8.7.8 Query Data
- 8.2.8 Encrypt Data
- 8.4.8 Bind Services and Application Program Interfaces
- 8.8.9 Request Account for Enterprise Information Environment
- 8.7.9 Sort Data
- 8.6.9 Re-Associate Nodes on Wireless Network
- 8.10.9 Provide Automated Interfaces to Current System Planning Tools
- 8.1.9 Provide Network Applications Services
- 8.3.9 Load Applications
- 8.4.9 Duplicate Optical Media
- 8.2.9 Maintain Secure Data Transmission
- 8.6.10 Maintain NetOps Configuration Monitoring
- 8.7.10 Filter Information
- 8.10.10 Provide Graphical User Interface Services
- 8.8.10 Request Service Subscription or Change to Service Subscription
- 8.4.10 Generate Displays
- 8.2.10 Monitor Network Security
- 8.1.10 Receive Request for Information
- 8.3.10 Develop Clients and Servers
- 8.5.11 Monitor Network Usage
- 8.8.11 Manage COI Subscriptions
- 8.7.11 Formulate Discovery Search
- 8.10.11 Provide Data Entry Interface
- 8.2.11 Provide Identity Management Services
- 8.1.11 Provide Message Services
- 8.3.11 Identify Variance
- 8.8.12 Log Operator Activity
- 8.5.12 Predict System Capability
- 8.10.12 Provide Light Discipline for User
- 8.2.12 Provide Embedded Programmable Cryptographic Capability
- 8.4.12 Process Multimedia Information
- 8.8.13 Control System States and Modes
- 8.7.13 Compress Data
- 8.5.13 Employ Over-the-Air Transfer
- 8.6.13 Report to Spectrum Management System
- 8.10.13 Control Refresh Rate
- 8.2.13 Implement NSA or NIST Public Key Cryptography

## UNCLASSIFIED FOUO

- 8.1.13 Maintain Network and Communication Status
- 8.4.13 Perform Calculation
- 8.6.14 Request Bandwidth Allocation
- 8.5.14 Manage Power
- 8.7.14 Delete Data
- 8.8.14 Register in Community of Interest (COI) Directory
- 8.10.14 Identify the Need for Human-in-the-Loop Response
- 8.1.14 Provide Network Access
- 8.4.14 Process Information Distributively
- 8.2.14 Provide Tamper Detection Capability
- 8.5.15 Receive Storage Media Resource Request
- 8.7.15 Transform Data
- 8.6.15 Restore Capabilities
- 8.8.15 Request Access to Enterprise Information Environment
- 8.4.15 Produce and Manipulate Video
- 8.1.15 Provided Shared Production Capabilities
- 8.2.15 Provide Cryptographic Services
- 8.5.16 Discard Cells
- 8.10.16 Present User Defined Situational Awareness Information
- 8.4.16 Produce and Manage Media
- 8.1.16 Manage Network Performance
- 8.2.16 Provide Transmission Security
- 8.5.17 Establish a Call Control Signaling Channel
- 8.7.17 Cleanse Data
- 8.6.17 Share Available Bandwidth
- 8.10.17 Provide Decision Matrix
- 8.1.17 Perform Data Services
- 8.2.17 Maintain Network Classification
- 8.4.17 Produce Label Templates
- 8.6.18 Zeroize Channels and Keys
- 8.5.18 Establish a Virtual Channel Connection (VCC)
- 8.7.18 Archive Data
- 8.4.18 Produce PDF Documents
- 8.2.18 Perform Registration Services
- 8.1.18 Remotely Control System Operations
- 8.7.19 Categorize Data
- 8.5.19 Establish a Virtual Path Channel (VPC)
- 8.4.19 Provide and Manage Graphics
- 8.2.19 Validate User Credentials

## UNCLASSIFIED FOUO

- 8.1.19 Conduct Information Management
- 8.5.20 Establish Optimum Connection – Oriented Network Services
- 8.6.20 Provide Aggregated Network Assess Services
- 8.7.20 Characterize Objects
- 8.4.20 Provide Streaming Video
- 8.1.20 Manage Network Functions
- 8.2.20 Authorize Data Access
- 8.7.21 Correlate Data
- 8.6.21 Predict Equipment Faults
- 8.5.21 Establish / Release a Virtual Path by Customer Control
- 8.2.21 Respond to Security Events
- 8.1.21 Manage Systems
- 8.4.21 Process Imagery
- 8.6.22 Allocate Resources
- 8.7.22 Disseminate Data
- 8.5.22 Establish / Release a Virtual Path via Network Control
- 8.4.22 View Documents
- 8.1.22 Provide Networked Services and Applications
- 8.2.22 Access Information at Multiple Levels of Security
- 8.6.23 Convert Data File Format
- 8.7.23 Disseminate Time Data
- 8.5.23 Establish Virtual Path on a Semi-Permanent Basis
- 8.4.23 Execute Command Interpreter and Utility Services
- 8.1.23 Synchronize Network Timing
- 8.7.24 Manage Information Delivery
- 8.5.24 Establish Switched Virtual Circuits (SVCs) and Permanent Virtual Circuits (PVCs)
- 8.4.24 Execute Operating System Functions
- 8.1.24 Assess Network
- 8.2.24 Authenticate Data
- 8.7.25 Register Data
- 8.5.25 Identify Electronic Attack
- 8.2.25 Authorize Information Import/Export
- 8.4.25 Generate Data Analysis Menu Screens
- 8.1.25 Manage Status of Network Assets
- 8.7.26 Replicate Data
- 8.5.26 Maintain Cell Sequence Integrity
- 8.2.26 Configure Communications and Security Devices
- 8.4.26 Perform Batch Processing Services
- 8.1.26 Perform System and Network Analysis

## UNCLASSIFIED FOUO

- 8.7.27 Retrieve Data
- 8.5.27 Manage Virtual Channels
- 8.1.27 Terminate Network Connection
- 8.4.27 Provide Character-Based Services
- 8.2.27 Handle Multiple Security Levels
- 8.5.28 Negotiate Traffic Parameters
- 8.7.28 Provide Database Utilities
- 8.2.28 Identify Firewall Rule Set Penetration Events
- 8.1.28 Find Services
- 8.4.28 Provide Dialogue Support Services
- 8.7.29 Manage Data Storage
- 8.5.29 Perform Anomaly Response
- 8.4.29 Provide Display Object Services
- 8.1.29 Assess Peer Architecture
- 8.2.29 Identify Insider Anomaly Events
- 8.7.30 Populate Data Repositories
- 8.5.30 Provide Network Management Hardware/Software Mechanisms
- 8.1.30 Assess Peer Network Connectivity
- 8.4.30 Provide Fax Services
- 8.2.30 Identify Intrusion Detection System (IDS) Events
- 8.7.31 Allocate Storage Resources
- 8.5.31 Receive Request to Establish Theater Injection
- 8.4.31 Provide Graphical Client – Server Services
- 8.1.31 Maintain Global Directory Service
- 8.2.31 Manage Threats to Network
- 8.5.32 Reroute Messages
- 8.2.32 Mitigate Opportunity to Attack
- 8.1.32 Calculate Circuit Loads
- 8.7.33 Transfer Application Data
- 8.2.33 Distribute and Enable Network Keys
- 8.4.33 Provide Printing Services
- 8.5.33 Scan Mailbox
- 8.1.33 Calculate Processing Availability
- 8.5.34 Correlate Faults
- 8.7.34 Verify Data
- 8.2.34 Generate Network Keys
- 8.4.34 Support Multimedia Processing
- 8.2.35 Manage Network Keys
- 8.4.35 Window Management Services

## UNCLASSIFIED FOUO

- 8.7.35 Regulate Data Flow
- 8.4.36 Provide Office Automation Services
- 8.7.36 Post or Publish Data
- 8.2.36 Order Network Keys
- 8.7.37 Ensure Data Asset Visibility
- 8.4.37 Control Operation of Computer
- 8.2.37 Provide Network Force Protection and Security
- 8.7.38 Provide Visibility of Data Storage Infrastructure
- 8.4.38 Reconfigure Information Transfer System
- 8.2.38 Authenticate Remotely
- 8.7.39 Aggregate Data
- 8.4.39 Produce Multimedia Reports
- 8.1.39 Establish Redundancy in the Network
- 8.2.39 Gain Access to Sensing Location or Information
- 8.7.40 Format Data
- 8.4.40 Generate Reports
- 8.2.40 Implement Firewall Protection
- 8.1.40 Initialize and Finalize Service Execution
- 8.7.41 Provide Directory Services
- 8.4.41 Manage Reports
- 8.1.41 Manage Services
- 8.2.41 Provide Audit Services
- 8.7.42 Request Data
- 8.2.42 Provide User Single Sign-On
- 8.1.42 Map Network Topology and Parameters
- 8.7.43 Mine Data
- 8.1.43 Negotiate Services Across Networks
- 8.7.44 Mediate Data
- 8.2.44 Retain Cryptography after Power Loss
- 8.7.45 Apply Data
- 8.2.45 Invoke Zeroization Capability
- 8.7.46 Determine Data Requirements
- 8.1.46 Provide Asymmetric Network Capability
- 8.7.47 Synchronize Data
- 8.7.48 Monitor Data
- 8.7.49 Submit Information Requirements
- 8.1.49 Provide Cross-Functional Community of Interest Support Services
- 8.7.50 Discover Data
- 8.7.51 Characterize Performance

## UNCLASSIFIED FOUO

- 8.1.51 Provide Machine-to-Machine Data Access Mechanisms
- 8.7.53 Access Subject Matter Expert & Essential Information
- 8.1.53 Provide Over the Air Software Upgrades
- 8.7.54 Convert Analog Data to Digital Data
- 8.1.54 Select Transmission Path for Ensuring Required Quality of Service (QOS)
- 8.7.55 Establish Discovery Catalogs
- 8.1.55 Provide Subscription Services
- 8.7.56 Maintain Address Book
- 8.1.56 Translate Name to Address
- 8.7.57 Maintain Distributed Archives
- 8.1.57 Authorize Network Resource Request
- 8.7.58 Manage COI Catalogs
- 8.7.59 Manage Encyclopedic Database
- 8.7.60 Manage Enterprise Storage Resources
- 8.7.61 Manage Maintenance Services Database
- 8.7.62 Monitor System/Resource Allocation
- 8.7.63 Search within Context
- 8.7.64 Integrate Data
- 8.7.65 Perform Text Searches
- 8.1.65 Provide Remote Print Spooling and Output Distribution Services
- 8.7.66 Post Metadata to a Discovery Catalog
- 8.1.66 Provide Shared Conference Window User Screens
- 8.7.67 Post Metadata to a Federated Directory
- 8.1.67 Manage Message Traffic
- 8.7.68 Post Metadata to Metadata Registries
- 8.1.68 Provide Workgroup or Groupware Capability
- 8.7.69 Query Unit and Infrastructure Strength and Limitations
- 8.1.69 Provide Web Applications
- 8.7.70 Re-Map Information
- 8.1.70 Assess Peer Computing Program (PCP) Resources
- 8.7.71 Store Semantic Information on Data
- 8.7.72 Subscribe to Data
- 8.1.72 Provide Configuration Management Services
- 8.7.74 Update Subscription Database
- 8.7.75 Manage Core Services Repository
- 8.7.77 Access Distributed Files
- 8.7.78 Provide Character Sets and Data Representation Services
- 8.7.79 Recover Data
- 8.7.82 Retain Data

## UNCLASSIFIED FOUO

- 8.7.83 Manage and Manipulate File and File Systems
- 8.7.84 Perform Multilevel Security Data Filtering
- 8.7.85 Perform Distributed Data Services
- 8.7.86 Analyze and Organize Data
- 8.7.87 Validate Request for Information
- 8.7.89 Provide Discovery Metadata for Situational Awareness
- 8.7.92 Provide Relevant Information
- 8.7.94 Store Applications
- 8.7.96 Review Information Search Results
- 8.7.97 Report Query Results
- 8.7.98 Perform Data Check
- 8.7.99 Produce Information Mapping and Taxonomy
- 9.3.1 Detect Degradation of Power and Place System in Secure State
- 9.2.1 Perform Built-In Test (BIT)
- 9.2.2 Perform Power Restoration and Diagnostics after Interruption
- 9.3.3 Protect Against Effect of Electromagnetic Pulse (EMP) and Directed Energy Threat
- 9.2.3 Perform Automated System Diagnostics and Reconfiguration
- 9.2.4 Perform Network Fault Isolation and Reconfiguration
- 9.3.4 Provide Voltage Surge Protection
- 9.2.5 Monitor Faults
- 9.2.6 Isolate Equipment Fault
- 9.2.7 Restore Network Power
- 10.1.13 Forecast Future Consumption Requirements
- 10.1.18 Predict Asset Re-supply Requirements
- 10.1.24 Automatically Detect Supply Needs
- 10.1.25 Conduct External Resupply Request
- 12.1.1 Enter and Update Personnel Security Data
- 13.2.1 Tag Training Tracks
- 13.2.2 Assess Training Engagement
- 13.2.3 Update Training Situational Awareness
- 13.2.4 Manually Alter Training Events
- 13.1.5 Create Exercise Plan
- 13.2.5 Perform Embedded Training
- 13.2.6 Commence Embedded Training
- 13.1.6 Evaluate Training
- 13.2.7 Terminate Embedded Training
- 13.2.8 Pause Embedded Training
- 13.2.9 Return to Training
- 13.2.10 Perform System Training Stimulation

## UNCLASSIFIED FOUO

- 13.2.11 Perform System Training Simulation
- 13.2.12 Perform Training Event Playback and Analysis
- 13.2.13 Set System Safeties for Training
- 13.2.14 Conduct Individual Computer Generated Instruction
- 13.2.15 Conduct Training Control
- 14.1.5 Collect and Process Video Sensor Data
- 14.1.7 Manage Images
- 14.1.11 Disseminate Intelligence Products
- 14.1.16 Disseminate High Priority Tactical SIGINT Report
- 14.1.18 Evaluate Intelligence Collection, Products, Reporting
- 14.1.19 Identify, Prioritize and Validate Intelligence Requirements
- 14.1.20 Generate Intelligence Product Update Requests
- 14.1.24 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
- 14.1.28 Disseminate Tactical SIGINT Report

**I-CAV**

- 3 GENERATE COMMON SITUATIONAL AWARENESS - Level 1
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3.2.1 Generate Common Operational Picture
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.2.18 Display Geospatial Information Overlay
- 3.2.27 Provide Geospatial Coordinates
- 5.1.57 Build Information Dissemination Delivery Plan
- 7.1.2 Provide Secure Communications
- 7.2.18 Communicate Geodesy Data
- 7.1.56 Provide Shared Audio Visualization Capabilities
- 8.2.9 Maintain Secure Data Transmission
- 8.10.16 Present User Defined Situational Awareness Information
- 8.4.21 Process Imagery
- 8.7.86 Analyze and Organize Data

**IMOM**

- 1.3.1 Detect Signals and Images
- 1.1.2 Classify Signals
- 1.1.7 Register Electromagnetic Signals
- 1.1.12 Estimate a Single Object
- 2.1.19 Align Multi-Sensor Data
- 3.2.2 Generate Common Tactical Picture
- 3.4.3 Receive, Store and Maintain Geospatial Product Information

## UNCLASSIFIED FOUO

- 3.2.4 Update COP Display
- 3.2.18 Display Geospatial Information Overlay
- 3.2.27 Provide Geospatial Coordinates
- 4.2.1 Assess Environment
- 4.3.4 Identify Weapon Danger Zones
- 4.6.18 Predict Sensor Performance and Calculate Sensor Coverage
- 4.3.19 Evaluate Effects of Electronic Warfare (EW)
- 5.1.1 Generate New or Revised Plan
- 5.1.11 Create Sensor Plans
- 13.1.5 Create Exercise Plan
- 14.1.6 Process Intelligence Data
- 14.1.7 Manage Images
- 14.1.23 Perform Imagery Coordinate Mensuration

**JADOCS**

- 2.2 Combat Identification - Group
- 2.2.4 Determine Track Activity and Status
- 2.1.5 Exploit Moving Target Indicator Information
- 2.1.6 Track Blue Forces
- 2.1.9 Correlate Tracks
- 2.1.10 Associate Tracks
- 2.2.11 Identify Fused Data Track
- 2.1.11 Filter Track Report
- 2.2.13 Identify Civilian Air Tracks
- 2.2.14 Identify Civilian Maritime Surface Tracks
- 2.2.18 Determine Blue Force Tracking Identification
- 2.1.26 Maintain Track History
- 2.1.27 Extract Feature
- 2.1.32 Determine Line of Bearing (LOB) Point of Origin
- 3 GENERATE COMMON SITUATIONAL AWARENESS - Level 1
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3.4 CSA Data Management - Group
- 3.2.1 Generate Common Operational Picture
- 3.2.2 Generate Common Tactical Picture
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.2.3 Generate Battle Damage Scene
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.3.5 Generate Alert
- 3.2.6 Generate Target Coordinates

## UNCLASSIFIED FOUO

- 3.2.7 Identify Weapons Free Zones
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.2.9 Configure, Edit, and Display No-Fly Zones
- 3.2.10 Configure, Edit, and Display Restricted Navigation Zones
- 3.4.13 Manage Airspace Control Measures
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.4.14 Manage Target Materials Information
- 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
- 3.4.16 Record Events for Post Operations Analysis
- 3.4.17 Update Enemy Profiles
- 3.2.18 Display Geospatial Information Overlay
- 3.4.19 Share Information
- 3.2.23 Identify Joint Engagement Zone
- 3.2.27 Provide Geospatial Coordinates
- 4.3 Analyze Operational Environment - Group
- 4.6 Perform Predictive Analysis - Group
- 4.7 Analyze Targets - Group
  - 4.1.1 Analyze Terrain
    - 4.7.1 Analyze Target Areas
  - 4.3.1 Monitor Operational Situation
  - 4.1.2 Analyze Atmospheric and Weather Impacts
    - 4.7.2 Manage Target List
    - 4.7.3 Review Restricted Target List
  - 4.3.3 Analyze Operational Situation
    - 4.2.3 Analyze Meteorological Conditions
  - 4.5.3 Estimate Extent of Collateral Damage
    - 4.7.4 Update High Value Target (HVT) List
    - 4.7.5 Select & Prioritize Target
    - 4.7.7 Create High Value Target (HVT) List
  - 4.3.7 Evaluate Operational Environment
    - 4.7.8 Retain or Remove Target on or from Target List
  - 4.7.10 Identify Time Sensitive Targets
  - 4.6.11 Estimate Extent of Target Damage or Destruction
  - 4.6.12 Estimate Weapons Effectiveness
  - 4.7.12 Recommend Target for Nomination
- 4.3.17 Assess Battle Damage in Real-Time
- 4.6.19 Specify Collateral Damage Considerations
- 4.3.22 Assess Battle Damage
- 4.3.23 Assess Damage Reports

## UNCLASSIFIED FOUO

- 4.3.24 Assess Combat Performance
- 4.6.24 Evaluate Potential Targets
- 5.1.49 Plan Target-Weapon Type Pairing
- 6.2.3 Develop Targets
- 6.2.7 Optimize Target Value vs. Weapon Value
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.2.18 Generate Mission Change Order
- 6.2.22 Deconflict Fire Mission
- 6.2.27 Task or Re-task Targeting Assets
- 6.2.29 Synchronize Fires
- 6.2.30 Resolve Battlespace Conflicts
- 6.2.31 Select & Prioritize Target
- 6.2.46 Task or Retask Attack Assets
- 7.2 Provide Information Exchange - Group
- 7.1 Provide Ability to Communicate - Group
- 7.1.2 Provide Secure Communications
- 7.2.5 Receive Mission Update
- 7.3.6 Operate In Receive-Only Mode
- 7.1.7 Transfer Data
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.2.12 Communicate Status
- 7.1.12 Transfer File
- 7.1.14 Respond or Reply to Request for Information
- 7.1.23 Notify User of Message Arrival
- 7.2.24 Forward Message
- 7.1.25 Communicate Beyond Line of Sight Anti Jam Wideband Satellite
- 7.2.25 Exchange Messages Asynchronously
- 7.1.26 Communicate Beyond Line of sight Narrowband-Satellite-LPI/LPD
- 7.1.27 Communicate Beyond Line of sight using Mobile/Emergency-Satellite
- 7.2.27 Exchange Messages Synchronously
- 7.1.28 Communicate Beyond Line of sight wideband-Satellite-Protected/Hardened
- 7.1.29 Communicate Beyond Line of sight-Multiband Wideband Satellite
- 7.2.30 Transmit Track Data
- 7.1.30 Communicate Beyond Line of sight-Narrowband Commercial Satellite
- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
- 7.1.32 Communicate Beyond Line of sight-Narrowband-Satellite-Protected/Hardened
- 7.1.33 Communicate Beyond Line of sight-Wideband Commercial Satellite
- 7.1.34 Communicate Beyond Line of sight-Wideband MILSAT

## UNCLASSIFIED FOUO

- 7.1.35 Communicate Beyond Line of sight-Wideband-Satellite-LPI/LPD
- 7.1.36 Communicate Beyond Line of sight-Wideband-Satellite-Single Band/Multilink
- 7.1.38 Communicate Beyond Line of Sight Anti Jam Narrowband Satellite
- 7.1.39 Control Communications
- 7.1.51 Broadcast Information
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.54 Provide Beyond Line-of-Sight Communications
- 7.1.55 Manage Messaging Services
- 7.1.96 Transmit or Receive Information
- 8.8 Perform User Management Services - Group
- 8.12 Enterprise Collaboration Services
  - 8.12.1 Manage Collaboration Activities
  - 8.8.2 Authorize User Roles and Services
  - 8.12.2 Initiate Collaboration
  - 8.12.3 Perform Collaboration
- 8.10.3 Display Data
- 8.7.4 Analyze Data
- 8.1.4 Route Data
- 8.10.5 Provide Feedback on User Input and Actions
- 8.7.5 Translate Data
- 8.12.5 Terminate Collaboration
- 8.8.5 Assign Roles and Privileges
- 8.1.5 Share Information
- 8.7.6 Update Data
- 8.7.8 Query Data
- 8.3.9 Load Applications
- 8.10.10 Provide Graphical User Interface Services
- 8.5.11 Monitor Network Usage
- 8.10.11 Provide Data Entry Interface
- 8.1.11 Provide Message Services
- 8.10.13 Control Refresh Rate
- 8.1.13 Maintain Network and Communication Status
- 8.4.14 Process Information Distributively
- 8.4.15 Produce and Manipulate Video
- 8.10.16 Present User Defined Situational Awareness Information
- 8.1.17 Perform Data Services
- 8.7.22 Disseminate Data
- 8.4.22 View Documents
- 8.7.23 Disseminate Time Data

## UNCLASSIFIED FOUO

- 8.7.24 Manage Information Delivery
- 8.7.26 Replicate Data
- 8.7.27 Retrieve Data
- 8.7.29 Manage Data Storage
- 8.7.30 Populate Data Repositories
- 8.7.36 Post or Publish Data
- 8.7.40 Format Data
- 8.7.42 Request Data
- 8.7.47 Synchronize Data
- 8.1.48 Provide Common Services
- 8.1.51 Provide Machine-to-Machine Data Access Mechanisms
- 8.7.56 Maintain Address Book
- 8.1.64 Provide Online Help Services
- 8.7.77 Access Distributed Files
- 8.7.81 Store Data
- 8.7.82 Retain Data
- 8.7.83 Manage and Manipulate File and File Systems
- 8.7.91 Acquire Data
- 14.1.7 Manage Images
- 14.1.22 Correlate Image

**JBCP**

- 1.5 Precision Time and Navigation - Group
  - 1.5.5 Process Navigation Signals
  - 1.5.8 Integrate GPS Port Data
  - 1.5.9 Distribute Precision Navigation and Time Data
  - 1.5.10 Translate Navigation Data
  - 1.5.11 Translate Time Data
- 1.1.14 Receive MTI Data
- 1.1.15 Process Electro-Optical/Infrared (EO/IR) Data
- 1.1.16 Process RFID Tag
- 1.4.20 Determine Platform and Sensor Status
- 2.1 Perform Tracking - Group
  - 2.2.1 Determine Combat Identification
    - 2.1.1 Form Tracks
    - 2.2.2 Determine Combat Identity
  - 2.1.7 Qualify Track
  - 2.1.8 Fuse Track Measurements
  - 2.1.9 Correlate Tracks
  - 2.2.9 Determine Comprehensive Track ID

## UNCLASSIFIED FOUO

- 2.1.10 Associate Tracks
- 2.1.11 Filter Track Report
- 2.2.18 Determine Blue Force Tracking Identification
- 2.2.19 Associate Blue Forces in Proximity to Target
- 2.1.26 Maintain Track History
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3.3 Provide Indications, Warnings, and Alerts - Group
- 3 GENERATE COMMON SITUATIONAL AWARENESS - Level 1
- 3.3.1 Provide Real-Time Threat Warning
- 3.2.1 Generate Common Operational Picture
- 3.2.2 Generate Common Tactical Picture
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.5.3 Analyze Transportation Asset Visibility
- 3.2.4 Update COP Display
- 3.5.5 Report Unit and Platform Status
- 3.3.5 Generate Alert
- 3.4.5 Maintain Shared Situational Awareness
- 3.2.6 Generate Target Coordinates
- 3.2.7 Identify Weapons Free Zones
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.4.9 Aggregate and Present Blue Force Tracks
- 3.5.9 Monitor Force Status
- 3.4.11 Translate and Distribute Commanders Intent
- 3.5.12 Retrieve and Maintain Rules of Engagement (ROE)
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
- 3.2.16 Provide OPLAN Visibility
- 3.2.17 Generate Unit and Platform Availability
- 3.2.18 Display Geospatial Information Overlay
- 3.4.19 Share Information
- 3.2.26 Track Engagement Status
- 3.2.27 Provide Geospatial Coordinates
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.3.1 Monitor Operational Situation
- 4.2.4 Assess Meteorological and Oceanographic (METOC) Conditions
- 4.3.4 Identify Weapon Danger Zones

## UNCLASSIFIED FOUO

- 4.8.8 Assess Force Readiness
- 4.8.12 Assess Landing Alternatives and Surrounding Situational Awareness
- 4.8.13 Integrate Fires and Maneuvers Guidance
- 5 MISSION PLANNING - Level 1
- 5.1 Create and Revise Plans - Group
- 5.1.1 Generate New or Revised Plan
- 5.3.1 Conduct Mission Rehearsal
- 5.1.2 Enter and Update Commander's Critical Information Requirements (CCIRs)
- 5.1.4 Create Network Plans
- 5.3.4 Simulate COAs
- 5.3.8 Generate Wargaming Scenarios
- 5.1.14 Create Maneuver Plans
- 5.1.39 Update Staff Estimate
- 5.1.40 Record Priority Intelligence Requirements
- 5.1.43 Modify Resupply Plan
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.52 Create Tactical Plans/ Orders
- 5.1.61 Plan COA: Zone, Area, Route
- 6.1.5 Execute Tactical Fires and Maneuver Plan
- 6.1.6 Direct Unit Maneuvers
- 6.1.9 Control Mission
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.1.12 Destroy In Place
- 6.3.12 Cancel Engagement
- 6.1.15 Prosecute Target
- 6.2.15 Recommend Unit Maneuvers
- 6.2.18 Generate Mission Change Order
- 6.1.22 Adjudicate Platform Initialization or Shutdown
- 6.2.23 Create Movement Orders
- 6.1.27 Direct Maneuvers
- 6.2.29 Synchronize Fires
- 6.2.37 Manage Fire Support Information
- 6.2.38 Generate Mission Change Request
- 7.2.1 Transmit Navigation Signal
- 7.1.1 Establish Communication Networks
- 7.1.2 Provide Secure Communications
- 7.2.2 Transmit Weapons Recommendations

## UNCLASSIFIED FOUO

- 7.2.3 Transmit Engagement Orders
- 7.1.3 Employ Conference Communications Services
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.2.5 Receive Mission Update
- 7.3.5 Translate and Forward Data
- 7.1.5 Transfer Data via Packet Switching
- 7.3.6 Operate In Receive-Only Mode
- 7.1.7 Transfer Data
- 7.1.8 Transfer Data via a Virtual Circuit
- 7.1.9 Transfer Data with Datagram Approach
- 7.1.10 Transfer Data via Circuit Switching
- 7.2.10 Transmit Configuration Orders
- 7.2.11 Communicate Force Information
- 7.1.11 Transfer Information Over Multiple Channels Simultaneously
- 7.1.12 Transfer File
- 7.2.12 Communicate Status
- 7.1.13 Identify Communications Assets
- 7.2.13 Communicate Mission Objectives & Support Needs
- 7.1.14 Respond or Reply to Request for Information
- 7.2.16 Communicate Meteorological and Oceanographic (METOC) Data
- 7.2.17 Communicate Mission Information
- 7.2.18 Communicate Geodesy Data
- 7.2.19 Maintain Routing Information
- 7.1.19 Select Message
- 7.2.20 Collect and Route Signals
- 7.1.20 Prioritize Message
- 7.2.21 Transmit Sense Data
- 7.1.21 Provide Message Status
- 7.2.22 Control Use of Information Transfer System
- 7.1.22 Manage Message Boards
- 7.1.23 Notify User of Message Arrival
- 7.2.23 Deliver Mission-Type Orders to Subordinate Echelons
- 7.2.24 Forward Message
- 7.1.24 Manage E-Mail
- 7.1.25 Communicate Beyond Line of Sight Anti Jam Wideband Satellite
- 7.2.25 Exchange Messages Asynchronously
- 7.2.27 Exchange Messages Synchronously
- 7.2.28 Retransmit or Cross-Band Information

## UNCLASSIFIED FOUO

- 7.2.29 Transmit Measurement Data
- 7.1.30 Communicate Beyond Line of sight-Narrowband Commercial Satellite
- 7.2.30 Transmit Track Data
- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
- 7.1.33 Communicate Beyond Line of sight-Wideband Commercial Satellite
- 7.2.33 Disseminate Cryptographic Policy
- 7.2.34 Relay Communications
- 7.1.39 Control Communications
- 7.1.41 Provide Line-of-Sight Communications
- 7.1.46 Dynamically Switch or Route Unicast (point-to-point), Multicast, and Broadcast T
- 7.1.47 Limit Scope and Impact of Multicast Traffic on Network
- 7.1.49 Perform Dynamic Data Transmission Path Selection
- 7.1.51 Broadcast Information
- 7.1.54 Provide Beyond Line-of-Sight Communications
- 7.1.55 Manage Messaging Services
- 7.1.60 Determine Signal Loss between Satellite and Earth Site
- 7.1.61 Determine Transponder & Receiver Power Noise
- 7.1.62 Determine Signal Power Received at Satellite & Earth Station
- 7.1.64 Demultiplex Data Transmission
- 7.1.65 Ensure Non-Repudiation
- 7.1.67 Determine Spectrum Availability for User
- 7.1.68 Monitor RF Spectrum
- 7.1.69 Multiplex Data for Transmission
- 7.1.70 Monitor & Adjust Beam Coverage
- 7.1.71 Monitor Frequency Allocation Requirement Satisfaction
- 7.1.72 Operate Within Selected Frequency Range
- 7.1.77 Coordinate Message Delivery
- 7.1.78 Collect & Store Satellite Link Status Relative to Link Budget
- 7.1.80 Dynamically Transfer Data Based on Precedence
- 7.1.82 Conduct Automated Load Balancing
- 7.1.87 Communicate via Radio Frequency (RF) Communications
- 7.1.90 Select Optimum Transmission Path
- 7.1.92 Communicate System Status Out-of-Band
- 7.1.93 Communicate Data across Multiple Classification Domains
- 7.1.94 Provide Transport Services
- 7.1.96 Transmit or Receive Information
- 7.1.97 Transmit in Variety of Waveforms
- 8.5 Operate/Maintain Network - Group
- 8.1 Provide Human Machine Interface - Group



## UNCLASSIFIED FOUO

- 8.3.9 Load Applications
- 8.2.9 Maintain Secure Data Transmission
- 8.1.9 Provide Network Applications Services
- 8.10.10 Provide Graphical User Interface Services
- 8.7.10 Filter Information
- 8.4.10 Generate Displays
- 8.2.10 Monitor Network Security
- 8.1.10 Receive Request for Information
- 8.10.11 Provide Data Entry Interface
- 8.5.11 Monitor Network Usage
- 8.2.11 Provide Identity Management Services
- 8.1.11 Provide Message Services
- 8.10.12 Provide Light Discipline for User
- 8.8.12 Log Operator Activity
- 8.2.12 Provide Embedded Programmable Cryptographic Capability
- 8.10.13 Control Refresh Rate
- 8.5.13 Employ Over-the-Air Transfer
- 8.7.13 Compress Data
- 8.2.13 Implement NSA or NIST Public Key Cryptography
- 8.1.13 Maintain Network and Communication Status
- 8.10.14 Identify the Need for Human-in-the-Loop Response
- 8.7.14 Delete Data
- 8.4.14 Process Information Distributively
- 8.1.14 Provide Network Access
- 8.2.14 Provide Tamper Detection Capability
- 8.1.15 Provided Shared Production Capabilities
- 8.2.15 Provide Cryptographic Services
- 8.10.16 Present User Defined Situational Awareness Information
- 8.1.16 Manage Network Performance
- 8.2.16 Provide Transmission Security
- 8.2.17 Maintain Network Classification
- 8.1.17 Perform Data Services
- 8.6.18 Zeroize Channels and Keys
- 8.7.18 Archive Data
- 8.1.18 Remotely Control System Operations
- 8.2.18 Perform Registration Services
- 8.4.19 Provide and Manage Graphics
- 8.1.19 Conduct Information Management
- 8.2.19 Validate User Credentials

## UNCLASSIFIED FOUO

- 8.2.20 Authorize Data Access
- 8.1.20 Manage Network Functions
- 8.7.21 Correlate Data
- 8.1.21 Manage Systems
- 8.4.21 Process Imagery
- 8.2.21 Respond to Security Events
- 8.7.22 Disseminate Data
- 8.2.22 Access Information at Multiple Levels of Security
- 8.1.22 Provide Networked Services and Applications
- 8.4.22 View Documents
- 8.6.23 Convert Data File Format
- 8.1.23 Synchronize Network Timing
- 8.7.24 Manage Information Delivery
- 8.4.24 Execute Operating System Functions
- 8.2.24 Authenticate Data
- 8.1.24 Assess Network
- 8.7.25 Register Data
- 8.2.25 Authorize Information Import/Export
- 8.1.25 Manage Status of Network Assets
- 8.2.26 Configure Communications and Security Devices
- 8.1.26 Perform System and Network Analysis
- 8.7.27 Retrieve Data
- 8.2.27 Handle Multiple Security Levels
- 8.1.28 Find Services
- 8.2.28 Identify Firewall Rule Set Penetration Events
- 8.4.29 Provide Display Object Services
- 8.1.31 Maintain Global Directory Service
- 8.2.31 Manage Threats to Network
- 8.1.32 Calculate Circuit Loads
- 8.4.33 Provide Printing Services
- 8.2.33 Distribute and Enable Network Keys
- 8.1.33 Calculate Processing Availability
- 8.2.34 Generate Network Keys
- 8.2.35 Manage Network Keys
- 8.7.36 Post or Publish Data
- 8.4.37 Control Operation of Computer
- 8.2.37 Provide Network Force Protection and Security
- 8.4.38 Reconfigure Information Transfer System
- 8.2.38 Authenticate Remotely

## UNCLASSIFIED FOUO

- 8.7.39 Aggregate Data
- 8.1.39 Establish Redundancy in the Network
- 8.7.40 Format Data
- 8.2.40 Implement Firewall Protection
- 8.2.41 Provide Audit Services
- 8.1.42 Map Network Topology and Parameters
- 8.4.43 Generate Preformatted Graphics
- 8.1.43 Negotiate Services Across Networks
- 8.2.44 Retain Cryptography after Power Loss
- 8.1.44 Protect Against Effects of Electromagnetic Pulse (EMP) and Directed Energy Threat
- 8.2.45 Invoke Zeroization Capability
- 8.1.46 Provide Asymmetric Network Capability
- 8.1.48 Provide Common Services
- 8.7.50 Discover Data
- 8.7.51 Characterize Performance
- 8.1.52 Provide Mobile User Location History
- 8.1.53 Provide Over the Air Software Upgrades
- 8.1.54 Select Transmission Path for Ensuring Required Quality of Service (QoS)
- 8.7.56 Maintain Address Book
- 8.1.58 Manage Trouble Tickets
- 8.1.59 Provide Discovery Services
- 8.7.65 Perform Text Searches
- 8.1.65 Provide Remote Print Spooling and Output Distribution Services
- 8.1.67 Manage Message Traffic
- 8.7.72 Subscribe to Data
- 8.1.72 Provide Configuration Management Services
- 8.7.74 Update Subscription Database
- 8.7.82 Retain Data
- 8.7.83 Manage and Manipulate File and File Systems
- 8.7.84 Perform Multilevel Security Data Filtering
- 8.7.85 Perform Distributed Data Services
- 8.7.91 Acquire Data
- 8.7.92 Provide Relevant Information
- 8.7.94 Store Applications
- 9.2.1 Perform Built-In Test (BIT)
- 9.1.2 Track Maintenance Trouble Reports
- 9.2.2 Perform Power Restoration and Diagnostics after Interruption
- 9.3.3 Protect Against Effect of Electromagnetic Pulse (EMP) and Directed Energy Threat
- 9.2.3 Perform Automated System Diagnostics and Reconfiguration

## UNCLASSIFIED FOUO

- 9.2.4 Perform Network Fault Isolation and Reconfiguration
- 9.3.4 Provide Voltage Surge Protection
- 9.2.5 Monitor Faults
- 9.2.6 Isolate Equipment Fault
- 9.1.6 Manage Service Requests
- 9.1.12 Maintain Parts Information
- 9.1.16 Control Graceful Degradation
- 9.1.17 Determine Maintenance Solution
- 9.1.18 Detect Equipment Faults
- 9.1.23 Perform Diagnostic Testing
- 9.1.24 Track Fault Data
- 11.2.6 Detect Casualty
- 12.1.1 Enter and Update Personnel Security Data
- 13.1.2 Perform Training Exercise
- 13.2.5 Perform Embedded Training
- 13.1.6 Evaluate Training
- 13.2.6 Commence Embedded Training
- 13.2.7 Terminate Embedded Training
- 13.2.8 Pause Embedded Training
- 13.2.9 Return to Training
- 13.2.10 Perform System Training Stimulation
- 13.2.11 Perform System Training Simulation
- 13.2.12 Perform Training Event Playback and Analysis
- 13.2.14 Conduct Individual Computer Generated Instruction
- 13.3.14 Maintain Training Records
- 13.2.15 Conduct Training Control
- 13.3.16 Track Student Certifications and Qualifications
- 13.3.17 Maintain Student Information
- 13.3.19 Track Student Progress
- 14.1.4 Receive and Process HUMINT Data
- 14.1.6 Process Intelligence Data
- 14.1.7 Manage Images
- 14.1.11 Disseminate Intelligence Products
- 14.1.22 Correlate Image

**JCCSE**

- 2.1.6 Track Blue Forces
- 2.2.18 Determine Blue Force Tracking Identification
- 2.1.21 Update Existing Track
- 3.2.1 Generate Common Operational Picture

## UNCLASSIFIED FOUO

- 3.2.2 Generate Common Tactical Picture
- 3.2.3 Generate Battle Damage Scene
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.5.5 Report Unit and Platform Status
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.5.9 Monitor Force Status
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.2.16 Provide OPLAN Visibility
- 3.4.19 Share Information
- 3.2.20 Display Resource Movement
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.8.1 Assess Mission Effectiveness
- 4.3.1 Monitor Operational Situation
- 4.8.2 Analyze Mission
- 4.3.7 Evaluate Operational Environment
- 4.8.11 Assess Threats
- 4.3.22 Assess Battle Damage
- 6.1.1 Coordinate Mission Execution
- 6.1.9 Control Mission
- 6.1.14 Coordinate and Execute Selected COA
- 6.1.17 Direct Battle Plan Execution
- 6.1.27 Direct Maneuvers
- 7.1.1 Establish Communication Networks
- 7.1.2 Provide Secure Communications
- 7.1.3 Employ Conference Communications Services
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.1.5 Transfer Data via Packet Switching
- 7.2.5 Receive Mission Update
- 7.1.6 Track Requests for Information
- 7.1.7 Transfer Data
- 7.2.11 Communicate Force Information
- 7.2.12 Communicate Status
- 7.2.17 Communicate Mission Information
- 7.2.21 Transmit Sense Data
- 7.2.23 Deliver Mission-Type Orders to Subordinate Echelons
- 7.2.24 Forward Message

## UNCLASSIFIED FOUO

- 7.2.25 Exchange Messages Asynchronously
- 7.2.27 Exchange Messages Synchronously
- 7.2.34 Relay Communications
- 7.1.39 Control Communications
- 7.1.44 Conduct Video Conferencing
- 7.1.45 Coordinate Tactical Reach-Back
- 7.1.46 Dynamically Switch or Route Unicast (point-to-point), Multicast, and Broadcast T
- 7.1.51 Broadcast Information
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.55 Manage Messaging Services
- 7.1.56 Provide Shared Audio Visualization Capabilities
- 7.1.65 Ensure Non-Repudiation
- 7.1.71 Monitor Frequency Allocation Requirement Satisfaction
- 7.1.72 Operate Within Selected Frequency Range
- 7.1.76 Provide Frequency Allocations
- 7.1.87 Communicate via Radio Frequency (RF) Communications
- 7.1.88 Communicate Signals via Line Communications
- 7.1.89 Dynamically Manage or Allocate Frequencies
- 7.1.96 Transmit or Receive Information
- 8.12.1 Manage Collaboration Activities
- 8.5.1 Operate Network
- 8.3.1 Establish Network
- 8.2.1 Perform Network Information Assurance
- 8.1.1 Provide Network Services
- 8.12.2 Initiate Collaboration
- 8.8.2 Authorize User Roles and Services
- 8.7.2 Manage General Information
- 8.2.2 Detect Security Events
- 8.12.3 Perform Collaboration
- 8.10.3 Display Data
- 8.8.3 Manage Accounts
- 8.3.3 Establish and Maintain Connectivity
- 8.2.3 Regulate Information Dissemination
- 8.1.3 Provide Remote Access
- 8.12.4 Allocate and Manage Collaboration Communications
- 8.6.4 Provide Bandwidth
- 8.1.5 Share Information
- 8.12.6 Conduct Decision Process Collaboration
- 8.8.6 Maintain and Create User Profile

## UNCLASSIFIED FOUO

- 8.7.6 Update Data
- 8.2.6 Provide Entity Authentication Services
- 8.1.6 Support Communication
- 8.12.7 Manage Collaboration Resources
- 8.12.8 Determine Collaboration Resource Availability
- 8.12.9 Provide Common Workspace
- 8.1.9 Provide Network Applications Services
- 8.2.9 Maintain Secure Data Transmission
- 8.7.10 Filter Information
- 8.2.10 Monitor Network Security
- 8.4.10 Generate Displays
- 8.1.11 Provide Message Services
- 8.1.13 Maintain Network and Communication Status
- 8.1.14 Provide Network Access
- 8.10.16 Present User Defined Situational Awareness Information
- 8.1.16 Manage Network Performance
- 8.6.17 Share Available Bandwidth
- 8.1.19 Conduct Information Management
- 8.2.19 Validate User Credentials
- 8.4.20 Provide Streaming Video
- 8.1.20 Manage Network Functions
- 8.2.20 Authorize Data Access
- 8.1.21 Manage Systems
- 8.2.22 Access Information at Multiple Levels of Security
- 8.1.24 Assess Network
- 8.1.28 Find Services
- 8.4.30 Provide Fax Services
- 8.1.41 Manage Services
- 8.1.48 Provide Common Services
- 8.7.50 Discover Data
- 8.7.53 Access Subject Matter Expert & Essential Information
- 8.1.58 Manage Trouble Tickets
- 8.1.59 Provide Discovery Services
- 8.7.86 Analyze and Organize Data
- 8.7.92 Provide Relevant Information
- 14.1.1 Collect and Process SIGINT
- 14.1.2 Collect and Process IMINT Data
- 14.1.4 Receive and Process HUMINT Data
- 14.1.5 Collect and Process Video Sensor Data

## UNCLASSIFIED FOUO

- 14.1.6 Process Intelligence Data
- 14.1.11 Disseminate Intelligence Products
- 14.1.18 Evaluate Intelligence Collection, Products, Reporting
- 14.1.26 Conduct Joint Intelligence Preparation of the Operational Environment
- 14.1.28 Disseminate Tactical SIGINT Report

**JDP (Joint Defensive Planner)**

- 5.5 Identify Planning Requirement Factors - Group
- 5.4.1 Assign Coverage
- 5.1.2 Enter and Update Commander's Critical Information Requirements (CCIRs)
- 5.4.2 Support Asset Tasking
- 5.1.3 Manage Guidance and Objectives
- 5.4.4 Allocate Air Defense Systems
- 5.4.6 Allocate Platform to Mission
- 5.1.8 Manage Policies
- 5.4.8 Generate Space Tasking Order Message
- 5.1.10 Generate Input to Missions Plans
- 5.1.11 Create Sensor Plans
- 5.1.13 Create Weapons Plans
- 5.1.14 Create Maneuver Plans
- 5.1.17 Create Collection Plans
- 5.1.19 Create Space Battle Plans
- 5.1.20 Generate Correction or Contingency Plans
- 5.1.26 Create Air Defense Plans
- 5.1.29 Generate Weapon Navigation and Flight Plan
- 5.1.30 Plan and Evaluate Airspace Control Measures
- 5.1.31 Create Updated Flight Plans
- 5.1.36 Create Commanders Guidance
- 5.1.37 Update Commanders Guidance
- 5.1.40 Record Priority Intelligence Requirements
- 6.1.1 Coordinate Mission Execution
- 6.3.2 Process Engagement Orders
- 6.2.32 Assign System Coverage
- 7.1.2 Provide Secure Communications
- 7.1.3 Employ Conference Communications Services
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.3.5 Translate and Forward Data
- 7.2.5 Receive Mission Update
- 7.2.6 Transmit Coverage Plan
- 7.1.6 Track Requests for Information

## UNCLASSIFIED FOUO

- 7.2.7 Receive Strategic Mission & Guidance
- 7.1.7 Transfer Data
- 7.1.12 Transfer File
- 7.2.13 Communicate Mission Objectives & Support Needs
- 7.1.14 Respond or Reply to Request for Information
- 7.2.17 Communicate Mission Information
- 7.1.19 Select Message
- 7.1.20 Prioritize Message
- 7.2.21 Transmit Sense Data
- 7.1.21 Provide Message Status
- 7.1.23 Notify User of Message Arrival
- 7.2.24 Forward Message
- 7.2.25 Exchange Messages Asynchronously
- 7.2.27 Exchange Messages Synchronously
- 7.1.44 Conduct Video Conferencing
- 7.1.51 Broadcast Information
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.56 Provide Shared Audio Visualization Capabilities
- 7.1.77 Coordinate Message Delivery
- 7.1.96 Transmit or Receive Information
- 8.12 Enterprise Collaboration Services
- 8.8.1 Customize User Management
- 8.12.1 Manage Collaboration Activities
- 8.12.2 Initiate Collaboration
- 8.7.2 Manage General Information
- 8.8.2 Authorize User Roles and Services
- 8.7.3 Perform Dynamic Routing
- 8.8.3 Manage Accounts
- 8.10.3 Display Data
- 8.12.3 Perform Collaboration
- 8.1.4 Route Data
- 8.12.5 Terminate Collaboration
- 8.8.5 Assign Roles and Priviledges
- 8.4.5 Manage Documents
- 8.1.5 Share Information
- 8.8.6 Maintain and Create User Profile
- 8.12.6 Conduct Decision Process Collaboration
- 8.7.6 Update Data
- 8.1.6 Support Communication

## UNCLASSIFIED FOUO

- 8.12.7 Manage Collaboration Resources
  - 8.7.7 Maintain Data Integrity
  - 8.2.7 Decrypt Data
  - 8.7.8 Query Data
  - 8.2.8 Encrypt Data
  - 8.12.9 Provide Common Workspace
  - 8.2.9 Maintain Secure Data Transmission
  - 8.7.10 Filter Information
  - 8.4.10 Generate Displays
  - 8.10.11 Provide Data Entry Interface
  - 8.8.12 Log Operator Activity
  - 8.8.13 Control System States and Modes
  - 8.1.15 Provided Shared Production Capabilities
  - 8.4.19 Provide and Manage Graphics
  - 8.2.19 Validate User Credentials
  - 8.2.20 Authorize Data Access
  - 8.7.22 Disseminate Data
  - 8.4.22 View Documents
  - 8.7.23 Disseminate Time Data
  - 8.4.23 Execute Command Interpreter and Utility Services
  - 8.7.24 Manage Information Delivery
  - 8.7.27 Retrieve Data
  - 8.2.27 Handle Multiple Security Levels
  - 8.7.30 Populate Data Repositories
  - 8.7.34 Verify Data
  - 8.4.40 Generate Reports
  - 8.2.40 Implement Firewall Protection
  - 8.4.41 Manage Reports
  - 8.7.42 Request Data
  - 8.7.44 Mediate Data
  - 8.1.66 Provide Shared Conference Window User Screens
  - 8.1.68 Provide Workgroup or Groupware Capability
  - 8.1.69 Provide Web Applications
  - 8.7.76 Provide Data Mediation
  - 8.7.77 Access Distributed Files
- JFRGII**
- 3.2.16 Provide OPLAN Visibility
  - 5.1.1 Generate New or Revised Plan
  - 5.4.2 Support Asset Tasking

## UNCLASSIFIED FOUO

- 5.3.3 Generate Logistics Scenarios
- 5.3.6 Model and Simulate Scenarios
- 5.4.6 Allocate Platform to Mission
- 5.4.9 Assign Assets/Resources
- 5.4.12 Analyze Theater Supply and Service Units
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.47 Develop Initial Alternative Courses of Action
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.51 Conduct Force Planning
- 5.1.52 Create Tactical Plans/ Orders
- 7.2.11 Communicate Force Information
- 8.7.8 Query Data
- 8.2.17 Maintain Network Classification
- 8.2.27 Handle Multiple Security Levels
- 10.2.1 Schedule Distribution and Transportation

**JOPES**

- 3.5.3 Analyze Transportation Asset Visibility
- 3.5.5 Report Unit and Platform Status
- 3.5.6 Access Joint Asset Information
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.5.9 Monitor Force Status
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.2.16 Provide OPLAN Visibility
- 3.2.17 Generate Unit and Platform Availability
- 4.8.2 Analyze Mission
- 4.6.4 Identify Status of Forces
- 4.8.5 Determine Weapon Availability
- 4.6.5 Prepare Deployment Estimates
- 4.8.6 Analyze COAs
- 4.8.8 Assess Force Readiness
- 4.8.10 Assess Warfighting Resources
- 4.8.20 Analyze Resource Tasking and Control
- 5.3.1 Conduct Mission Rehearsal
- 5.5.2 Determine Force Requirements
- 5.4.3 Map Force Composition to Requirements
- 5.3.3 Generate Logistics Scenarios
- 5.3.4 Simulate COAs
- 5.3.6 Model and Simulate Scenarios
- 5.4.9 Assign Assets/Resources

## UNCLASSIFIED FOUO

- 5.4.12 Analyze Theater Supply and Service Units
- 5.1.15 Create Strategic Plans
- 5.1.20 Generate Correction or Contingency Plans
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.46 Develop CONOPS
- 5.1.47 Develop Initial Alternative Courses of Action
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.50 Draft Warning Order
- 5.1.51 Conduct Force Planning
- 6.1.10 Order Deployment of Coordinated Strike Forces
- 6.1.14 Coordinate and Execute Selected COA
- 6.1.16 Allocate Troop and Cargo Transport
- 6.2.23 Create Movement Orders
- 10.2.1 Schedule Distribution and Transportation
- 10.1.4 Process Issue of Goods
- 10.1.9 Perform Lifecycle Asset Accountability
- 10.1.12 Analyze Theater Commercial Supply Availability
- 10.1.13 Forecast Future Consumption Requirements
- 10.1.18 Predict Asset Re-supply Requirements
- 10.1.23 Process Warfighter Supply Needs Entry
- 11.3.2 Identify Means of Medical Evacuation

**JSIPS-  
N**

- 1.1.1 Receive and Process Signals
- 1.1.2 Classify Signals
- 1.1.15 Process Electro-Optical/Infrared (EO/IR) Data
- 3.2.6 Generate Target Coordinates
- 3.4.19 Share Information
- 3.2.27 Provide Geospatial Coordinates
- 3.2.32 Mensurate Object Coordinates
- 4.7.1 Analyze Target Areas
- 4.8.1 Assess Mission Effectiveness
- 4.8.2 Analyze Mission
- 4.7.5 Select & Prioritize Target
- 4.7.10 Identify Time Sensitive Targets
- 4.8.11 Assess Threats
- 4.7.11 Determine Target Offset and Location
- 4.3.16 Analyze Effects
- 4.3.17 Assess Battle Damage in Real-Time
- 4.3.18 Assess Effect

## UNCLASSIFIED FOUO

- 4.3.22 Assess Battle Damage
- 5.1.1 Generate New or Revised Plan
- 5.1.5 Generate Ingress and Egress Plans
- 5.1.11 Create Sensor Plans
- 5.1.12 Create Attack Plans
- 5.1.13 Create Weapons Plans
- 5.1.14 Create Maneuver Plans
- 5.1.22 Create Target & Threat Plans
- 5.1.23 Generate Weapon Terminal Guidance Plan
- 5.1.25 Create Vehicle Maneuver Plan
- 5.1.27 Create Air Battle Plans
- 5.1.28 Create Flight Plans
- 5.1.29 Generate Weapon Navigation and Flight Plan
- 7.1.7 Transfer Data
- 7.2.21 Transmit Sense Data
- 14.1.2 Collect and Process IMINT Data
- 14.1.5 Collect and Process Video Sensor Data
- 14.1.6 Process Intelligence Data
- 14.1.7 Manage Images
- 14.1.8 Rectify Image
- 14.1.9 Convert Image Format
- 14.1.11 Disseminate Intelligence Products
- 14.1.22 Correlate Image
- 14.1.23 Perform Imagery Coordinate Mensuration
- 14.1.26 Conduct Joint Intelligence Preparation of the Operational Environment

**JSTARS (E-8)**

- 1.1 Signal Receipt & Processing - Group
- 1.4.1 Fuse Sensor Data
- 1.1.2 Classify Signals
- 1.2.2 Search with Underwater Sensor
- 1.4.3 Identify Current Platform and Sensor Tasking
- 1.4.4 Control Search Parameters
- 1.3.5 Detect Mines
- 1.2.5 Search with Passive Sensor
- 1.4.5 Manage Sensors
- 1.1.6 Associate IFF Response
- 1.2.6 Search with Space Sensor
- 1.4.6 Coordinate Sensor Employment with Operational Plans and Employment
- 1.1.7 Register Electromagnetic Signals

## UNCLASSIFIED FOUO

- 1.2.9 Search Selected Countermeasures Signals
- 1.5.9 Distribute Precision Navigation and Time Data
- 1.4.9 Generate Theater and External ISR Sensor Tasking
- 1.1.13 Process Acoustic Sensor Data
- 1.1.15 Process Electro-Optical/Infrared (EO/IR) Data
- 2 MANAGE TRACKING and TRACKS - Level 1
  - 2.1.2 Develop Association Hypothesis
  - 2.1.4 Process Ground Moving Target Indicator (GMTI)
  - 2.1.5 Exploit Moving Target Indicator Information
  - 2.1.6 Track Blue Forces
  - 2.1.7 Qualify Track
  - 2.1.8 Fuse Track Measurements
  - 2.1.9 Correlate Tracks
  - 2.1.10 Associate Tracks
  - 2.1.11 Filter Track Report
  - 2.1.12 Coordinate Remote Track Reporting
  - 2.1.13 Register Data
  - 2.2.16 Determine Organization Identification
  - 2.1.18 Generate Global Track Number
  - 2.2.19 Associate Blue Forces in Proximity to Target
  - 2.1.24 Calculate Geolocation
  - 2.1.25 Estimate Track Count
  - 2.1.26 Maintain Track History
  - 2.1.27 Extract Feature
- 3 GENERATE COMMON SITUATIONAL AWARENESS - Level 1
  - 3.5 Monitor Mission Readiness - Group
    - 3.5.2 Update Resource Information
  - 3.2.2 Generate Common Tactical Picture
  - 3.2.3 Generate Battle Damage Scene
  - 3.2.5 Identify Return to Force (RTF) Profiles
  - 3.2.7 Identify Weapons Free Zones
  - 3.4.10 Integrate Information on Potential Adversary COA
  - 3.2.16 Provide OPLAN Visibility
  - 3.4.17 Update Enemy Profiles
  - 3.2.28 Develop Shared Understanding of Regional and Local Factors
  - 3.2.33 Monitor In-Flight Reporting
  - 4.3.18 Assess Effect
  - 4.3.23 Assess Damage Reports
- 5.4 Assign and Delegate Mission Requirement - Group

## UNCLASSIFIED FOUO

- 5.4.1 Assign Coverage
- 5.4.7 Coordinate Plans and Tasking with Other Components
- 5.4.8 Generate Space Tasking Order Message
- 5.4.14 Determine Time Requirements Given Mensuration Parameters
- 6.2 Decision - Group
  - 6.2.3 Develop Targets
  - 6.1.4 Employ Combat Assessment and BDA - Support Assets
  - 6.1.5 Execute Tactical Fires and Maneuver Plan
  - 6.2.7 Optimize Target Value vs. Weapon Value
  - 6.2.8 Produce Engagement Schedules
  - 6.1.8 Source and Coordinate Preferred COA
  - 6.1.10 Order Deployment of Coordinated Strike Forces
  - 6.3.12 Cancel Engagement
  - 6.2.12 Define Attack Guidance
  - 6.3.15 Conduct Automatic Engagement
  - 6.1.16 Allocate Troop and Cargo Transport
  - 6.3.17 Employ Countermeasures
  - 6.2.18 Generate Mission Change Order
  - 6.1.20 Position System
  - 6.3.20 Perform Electronic Attack
  - 6.1.21 Coordinate Mission Weapon Employment
  - 6.1.22 Adjudicate Platform Initialization or Shutdown
  - 6.2.26 Synchronize Tactics and Engagement Assignments
  - 6.1.28 Employ Electronic Counter-Counter Measures
  - 6.2.28 Establish Sensor to Shooter Linkages
  - 6.2.29 Synchronize Fires
  - 6.1.30 Convert Sensor Asset Requests into Sensor Control Orders
  - 6.2.31 Select & Prioritize Target
  - 6.1.31 Process Sensor Collection Requests
  - 6.2.38 Generate Mission Change Request
  - 6.2.39 Select Air-to-Air
  - 6.2.42 Select Surface-to-Air
  - 6.2.45 Compute Time-To-Target or Time-On-Target
- 7.1.1 Establish Communication Networks
- 7.1.2 Provide Secure Communications
- 7.3.2 Manage Frequency Assignment Request
- 7.1.3 Employ Conference Communications Services
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.1.6 Track Requests for Information

## UNCLASSIFIED FOUO

- 7.3.6 Operate In Receive-Only Mode
- 7.3.7 Control Data Link Router
- 7.1.8 Transfer Data via a Virtual Circuit
- 7.3.8 Exchange Link-22 and TADIL A/B Data
- 7.1.10 Transfer Data via Circuit Switching
- 7.2.10 Transmit Configuration Orders
- 7.1.11 Transfer Information Over Multiple Channels Simultaneously
- 7.1.12 Transfer File
- 7.3.13 Forward NATO Link-1
- 7.2.18 Communicate Geodesy Data
- 7.1.20 Prioritize Message
- 7.2.22 Control Use of Information Transfer System
- 7.1.24 Manage E-Mail
- 7.2.28 Retransmit or Cross-Band Information
- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
- 7.2.31 Perform System-Independent Representation
- 7.1.32 Communicate Beyond Line of sight-Narrowband-Satellite-Protected/Hardened
- 7.2.35 Transmit Personnel Security Data
- 7.1.46 Dynamically Switch or Route Unicast (point-to-point), Multicast, and Broadcast T
- 7.1.52 Provide International Operation Services
- 7.1.55 Manage Messaging Services
- 7.1.56 Provide Shared Audio Visualization Capabilities
- 7.1.57 Control Power Output for Transmitters
- 7.1.88 Communicate Signals via Line Communications
- 7.1.90 Select Optimum Transmission Path
- 7.1.91 Communicate via Acoustic Communications
- 7.1.94 Provide Transport Services
- 7.1.95 Disseminate Sensor Products
- 7.1.96 Transmit or Receive Information
- 8.3 Network Establishment - Group
- 8.5.1 Operate Network
- 8.5.2 Transmit Data on Established Path
- 8.5.3 Identify Transmission Paths
- 8.8.3 Manage Accounts
- 8.8.4 Monitor and Adapt User Interface
- 8.5.4 Manage Network Accounting
- 8.8.6 Maintain and Create User Profile
- 8.7.6 Update Data
- 8.2.7 Decrypt Data

## UNCLASSIFIED FOUO

- 8.4.7 Spell and Grammar Check Documents
- 8.7.7 Maintain Data Integrity
- 8.2.8 Encrypt Data
- 8.8.9 Request Account for Enterprise Information Environment
- 8.7.9 Sort Data
- 8.2.9 Maintain Secure Data Transmission
- 8.8.10 Request Service Subscription or Change to Service Subscription
- 8.7.10 Filter Information
- 8.2.10 Monitor Network Security
- 8.7.11 Formulate Discovery Search
- 8.10.11 Provide Data Entry Interface
- 8.4.11 Manage Discovery Services
- 8.10.12 Provide Light Discipline for User
- 8.8.13 Control System States and Modes
- 8.8.14 Register in Community of Interest (COI) Directory
- 8.7.15 Transform Data
- 8.8.15 Request Access to Enterprise Information Environment
- 8.4.15 Produce and Manipulate Video
- 8.2.17 Maintain Network Classification
- 8.2.18 Perform Registration Services
- 8.7.19 Categorize Data
- 8.1.19 Conduct Information Management
- 8.4.20 Provide Streaming Video
- 8.1.20 Manage Network Functions
- 8.4.22 View Documents
- 8.4.23 Execute Command Interpreter and Utility Services
- 8.4.24 Execute Operating System Functions
- 8.4.25 Generate Data Analysis Menu Screens
- 8.2.25 Authorize Information Import/Export
- 8.4.26 Perform Batch Processing Services
- 8.2.26 Configure Communications and Security Devices
- 8.2.27 Handle Multiple Security Levels
- 8.4.27 Provide Character-Based Services
- 8.4.28 Provide Dialogue Support Services
- 8.1.28 Find Services
- 8.7.29 Manage Data Storage
- 8.4.30 Provide Fax Services
- 8.7.31 Allocate Storage Resources
- 8.5.34 Correlate Faults

## UNCLASSIFIED FOUO

- 8.4.34 Support Multimedia Processing
- 8.4.35 Window Management Services
- 8.4.36 Provide Office Automation Services
- 8.7.37 Ensure Data Asset Visibility
- 8.4.38 Reconfigure Information Transfer System
- 8.4.39 Produce Multimedia Reports
- 8.4.40 Generate Reports
- 8.4.41 Manage Reports
- 8.7.41 Provide Directory Services
- 8.4.42 Generate Computer Aided Designs (CAD)
- 8.2.45 Invoke Zeroization Capability
- 8.7.64 Integrate Data
- 8.7.66 Post Metadata to a Discovery Catalog
- 8.7.83 Manage and Manipulate File and File Systems
- 8.7.84 Perform Multilevel Security Data Filtering
- 8.7.87 Validate Request for Information
- 8.7.92 Provide Relevant Information
- 8.7.93 Distribute Service Master Records
- 8.7.95 Search Unstructured Data
- 8.7.98 Perform Data Check
- 9.2.2 Perform Power Restoration and Diagnostics after Interruption
- 9.1.19 Provide On-Line Fault Isolation
- 14.1.6 Process Intelligence Data
- 14.1.8 Rectify Image
- 14.1.12 Fuse Single-Source Intelligence Data

**JTCW**

- 1.4.1 Fuse Sensor Data
- 1.3.2 Detect Indications and Warnings
- 1.3.4 Detect Man-made Obstacles
- 1.5.6 Correlate Navigational Data
- 1.4.10 Generate Sensor Coverage
- 1.3.14 Detect and Report Impediments
- 1.4.20 Determine Platform and Sensor Status
- 1.4.21 Assess Sensor Performance
- 1.4.25 Correlate JISR Resources
- 2.1 Perform Tracking - Group
- 2.1.1 Form Tracks
- 2.1.2 Develop Association Hypothesis
- 2.2.2 Determine Combat Identity

## UNCLASSIFIED FOUO

- 2.1.3 Manage Air Tracks
- 2.1.6 Track Blue Forces
- 2.1.7 Qualify Track
- 2.1.8 Fuse Track Measurements
- 2.2.8 Determine Composite ID
- 2.2.9 Determine Comprehensive Track ID
- 2.1.9 Correlate Tracks
- 2.2.10 Determine Discrete ID
- 2.1.10 Associate Tracks
- 2.1.11 Filter Track Report
- 2.1.12 Coordinate Remote Track Reporting
- 2.1.13 Register Data
- 2.1.14 Align Tracks Geodetically
- 2.2.14 Identify Civilian Maritime Surface Tracks
- 2.1.15 Align Tracks Relatively
- 2.1.16 Align Tracks through Inter-link Reference Frames
- 2.1.17 Assign Track Number
- 2.1.18 Generate Global Track Number
- 2.2.18 Determine Blue Force Tracking Identification
- 2.2.19 Associate Blue Forces in Proximity to Target
- 2.1.20 Associate Multi-Sensor Data
- 2.1.21 Update Existing Track
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.23 Assign Track Category
- 2.1.24 Calculate Geolocation
- 2.1.25 Estimate Track Count
- 2.1.26 Maintain Track History
- 2.1.28 Monitor Track Safe Return or Passage
- 2.1.30 Evaluate Track Data Fusion
- 2.1.31 Fuse Track Data
- 3.5 Monitor Mission Readiness - Group
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3.2.1 Generate Common Operational Picture
- 3.5.1 Monitor Embedded Mission Readiness
- 3.2.2 Generate Common Tactical Picture
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.2.4 Update COP Display
- 3.5.5 Report Unit and Platform Status
- 3.4.5 Maintain Shared Situational Awareness

## UNCLASSIFIED FOUO

- 3.3.7 Integrate Alert Sequencing Doctrine
- 3.4.8 Manage Prioritization of Defended Asset Information Sets
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.3.8 Maintain NetOps Related Threat Assessment
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.2.9 Configure, Edit, and Display No-Fly Zones
- 3.4.9 Aggregate and Present Blue Force Tracks
- 3.5.9 Monitor Force Status
- 3.5.10 Present Mission Resources Information
- 3.2.10 Configure, Edit, and Display Restricted Navigation Zones
- 3.3.10 Generate Indication and Warning (I and W) Reports
- 3.4.11 Translate and Distribute Commanders Intent
- 3.5.12 Retrieve and Maintain Rules of Engagement (ROE)
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.4.14 Manage Target Materials Information
- 3.5.14 Confirm Asset or Sensor Availability
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.2.16 Provide OPLAN Visibility
- 3.5.16 Identify and Catalog Joint Assets and Activities
- 3.4.16 Record Events for Post Operations Analysis
- 3.2.17 Generate Unit and Platform Availability
- 3.2.18 Display Geospatial Information Overlay
- 3.2.26 Track Engagement Status
- 3.2.27 Provide Geospatial Coordinates
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.29 Display Formation Tracks
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.8 Perform Mission Assessment - Group
- 4.6.1 Determine Engageability
- 4.7.1 Analyze Target Areas
- 4.2.1 Assess Environment
- 4.5.1 Measure Mission Performance
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.2.2 Perform Natural Environmental & Topographical Analysis
- 4.2.3 Analyze Meteorological Conditions
- 4.3.3 Analyze Operational Situation
- 4.6.4 Identify Status of Forces
- 4.3.4 Identify Weapon Danger Zones
- 4.8.4 Evaluate and Assess Engagement Effectiveness

## UNCLASSIFIED FOUO

- 4.8.5 Determine Weapon Availability
- 4.8.6 Analyze COAs
- 4.6.7 Determine Enemy Courses of Action (COA)
- 4.3.8 Evaluate Mission
- 4.6.10 Conduct Assessment of Adversary Strengths and Vulnerability vs. Own
- 4.7.10 Identify Time Sensitive Targets
- 4.8.11 Assess Threats
- 4.6.12 Estimate Weapons Effectiveness
- 4.8.12 Assess Landing Alternatives and Surrounding Situational Awareness
- 4.6.13 Determine Accessibility of Attack System to Target
- 4.6.14 Calculate Probabilities for Potential Actions
- 4.6.15 Determine Best Positioning for Access to the Adversary
- 4.8.17 Correlate Events
- 4.6.17 Specify Required Effects
- 4.8.18 Assess Achievement of Planned Effects
- 4.6.18 Predict Sensor Performance and Calculate Sensor Coverage
- 4.8.20 Analyze Resource Tasking and Control
- 4.6.20 Select Best Attack Asset
- 4.8.21 Assess Air Battle Impact
- 4.3.23 Assess Damage Reports
- 4.3.24 Assess Combat Performance
- 4.6.27 Determine Time to Complete the Mission
- 4.6.28 Generate CBRN Avoidance Area Prediction
- 4.6.40 Generate Attack Window
- 5.1 Create and Revise Plans - Group
- 5.3 Rehearse Mission - Group
- 5.1.1 Generate New or Revised Plan
- 5.2.1 Retrieve Higher Level Guidance
- 5.3.1 Conduct Mission Rehearsal
- 5.1.2 Enter and Update Commander's Critical Information Requirements (CCIRs)
- 5.3.2 Generate Enemy Scenarios
- 5.4.2 Support Asset Tasking
- 5.1.3 Manage Guidance and Objectives
- 5.1.4 Create Network Plans
- 5.3.4 Simulate COAs
- 5.4.5 Determine Operational and Tactical Assets
- 5.5.6 Generate & Validate CCIR (PIR, FFIR, EEFI)
- 5.4.6 Allocate Platform to Mission
- 5.4.7 Coordinate Plans and Tasking with Other Components

## UNCLASSIFIED FOUO

- 5.1.9 Interpret Supplemental Rules of Engagement (SROE) and Rules of Engagement
- 5.1.10 Generate Input to Missions Plans
- 5.1.11 Create Sensor Plans
- 5.1.12 Create Attack Plans
- 5.1.13 Create Weapons Plans
- 5.4.13 Determine Targeting Asset Requirements
- 5.1.14 Create Maneuver Plans
- 5.4.14 Determine Time Requirements Given Mensuration Parameters
- 5.1.16 Develop Deconfliction Plan
- 5.1.18 Conduct Information Assurance Planning
- 5.1.35 Update Communications Network Plan
- 5.1.36 Create Commanders Guidance
- 5.1.37 Update Commanders Guidance
- 5.1.38 Create Staff Estimate
- 5.1.39 Update Staff Estimate
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.46 Develop CONOPS
- 5.1.47 Develop Initial Alternative Courses of Action
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.49 Plan Target-Weapon Type Pairing
- 5.1.50 Draft Warning Order
- 5.1.52 Create Tactical Plans/ Orders
- 5.1.56 Generate Enemy Order of Battle (EOB)
- 5.1.58 Create Shaping Plan
- 5.1.61 Plan COA: Zone, Area, Route
- 6.3.1 Generate Engagement Orders
- 6.1.1 Coordinate Mission Execution
- 6.1.3 Request External Fire Support
- 6.3.3 Execute Engagement
- 6.2.4 Determine Attack Window
- 6.1.4 Employ Combat Assessment and BDA - Support Assets
- 6.1.5 Execute Tactical Fires and Maneuver Plan
- 6.3.5 Control Munitions
- 6.1.6 Direct Unit Maneuvers
- 6.2.6 Certify Track Data Availability
- 6.1.7 Task Combat and Battle Damage Assessment Support Assets
- 6.1.8 Source and Coordinate Preferred COA
- 6.3.8 Monitor Weapon Status

## UNCLASSIFIED FOUO

- 6.1.9 Control Mission
- 6.3.10 Monitor Mission Engagement
- 6.2.10 Recommend Maneuvers to Avoid Interference
- 6.3.11 Integrate Rules of Engagement (ROE)
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.3.12 Cancel Engagement
- 6.2.12 Define Attack Guidance
- 6.2.13 Update Attack Guidance
- 6.3.13 Identify Target for Weapon Employment
- 6.1.14 Coordinate and Execute Selected COA
- 6.2.15 Recommend Unit Maneuvers
- 6.3.16 Engage Target With External Source
- 6.2.18 Generate Mission Change Order
- 6.2.19 Process Engagement Orders
- 6.1.23 Control Emission Control (EMCON) Operations
- 6.2.25 Select Appropriate Lethal or Non-Lethal Attack System
- 6.1.27 Direct Maneuvers
- 6.2.28 Establish Sensor to Shooter Linkages
- 6.2.33 Adjust Engagement Schedules
- 6.2.36 Generate Engagement Decision Response
- 6.2.37 Manage Fire Support Information
- 6.2.38 Generate Mission Change Request
- 6.2.40 Request Waiver to Rules of Engagement (ROE)
- 6.2.43 Select Surface-to-Surface
- 6.2.44 Determine Engagement Options and Generate Weapons Employment
- 6.2.46 Task or Retask Attack Assets
- 7.2.2 Transmit Weapons Recommendations
- 7.1.3 Employ Conference Communications Services
- 7.2.3 Transmit Engagement Orders
- 7.2.5 Receive Mission Update
- 7.1.6 Track Requests for Information
- 7.2.7 Receive Strategic Mission & Guidance
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.2.11 Communicate Force Information
- 7.2.12 Communicate Status
- 7.1.12 Transfer File
- 7.2.13 Communicate Mission Objectives & Support Needs
- 7.1.14 Respond or Reply to Request for Information

## UNCLASSIFIED FOUO

- 7.2.17 Communicate Mission Information
- 7.2.18 Communicate Geodesy Data
- 7.2.21 Transmit Sense Data
- 7.2.23 Deliver Mission-Type Orders to Subordinate Echelons
- 7.1.23 Notify User of Message Arrival
- 7.2.24 Forward Message
- 7.2.25 Exchange Messages Asynchronously
- 7.1.28 Communicate Beyond Line of sight wideband-Satellite-Protected/Hardened
- 7.2.30 Transmit Track Data
- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
- 7.1.44 Conduct Video Conferencing
- 8.7 Manage Data - Group
- 8.2 Provide Information Assurance - Group
- 8.8.1 Customize User Management
- 8.11.1 Fuse Data
- 8.12.1 Manage Collaboration Activities
- 8.2.1 Perform Network Information Assurance
- 8.3.1 Establish Network
- 8.4.1 Create and Edit Messages
- 8.12.2 Initiate Collaboration
- 8.2.2 Detect Security Events
- 8.12.3 Perform Collaboration
- 8.10.3 Display Data
- 8.3.3 Establish and Maintain Connectivity
- 8.2.3 Regulate Information Dissemination
- 8.8.4 Monitor and Adapt User Interface
- 8.12.4 Allocate and Manage Collaboration Communications
- 8.8.5 Assign Roles and Priviledges
- 8.12.5 Terminate Collaboration
- 8.3.5 Establish Circuit
- 8.1.5 Share Information
- 8.9.6 Interact with Enterprise Information Environment
- 8.8.6 Maintain and Create User Profile
- 8.12.6 Conduct Decision Process Collaboration
- 8.2.6 Provide Entity Authentication Services
- 8.7.6 Update Data
- 8.6.7 Determine System Availability
- 8.2.7 Decrypt Data
- 8.7.7 Maintain Data Integrity

## UNCLASSIFIED FOUO

- 8.5.8 Maintain Required Quality of Service
- 8.2.8 Encrypt Data
- 8.7.9 Sort Data
- 8.8.10 Request Service Subscription or Change to Service Subscription
- 8.4.10 Generate Displays
- 8.1.10 Receive Request for Information
- 8.2.10 Monitor Network Security
- 8.2.11 Provide Identity Management Services
- 8.4.12 Process Multimedia Information
- 8.10.13 Control Refresh Rate
- 8.2.13 Implement NSA or NIST Public Key Cryptography
- 8.1.13 Maintain Network and Communication Status
- 8.8.14 Register in Community of Interest (COI) Directory
- 8.7.14 Delete Data
- 8.10.15 Provide Human Performance
- 8.8.15 Request Access to Enterprise Information Environment
- 8.7.15 Transform Data
- 8.10.16 Present User Defined Situational Awareness Information
- 8.4.16 Produce and Manage Media
- 8.1.17 Perform Data Services
- 8.7.18 Archive Data
- 8.4.18 Produce PDF Documents
- 8.4.19 Provide and Manage Graphics
- 8.2.19 Validate User Credentials
- 8.1.19 Conduct Information Management
- 8.2.20 Authorize Data Access
- 8.7.21 Correlate Data
- 8.4.21 Process Imagery
- 8.7.22 Disseminate Data
- 8.4.22 View Documents
- 8.7.23 Disseminate Time Data
- 8.2.24 Authenticate Data
- 8.7.25 Register Data
- 8.7.27 Retrieve Data
- 8.2.27 Handle Multiple Security Levels
- 8.7.29 Manage Data Storage
- 8.7.30 Populate Data Repositories
- 8.7.34 Verify Data
- 8.4.36 Provide Office Automation Services

## UNCLASSIFIED FOUO

- 8.7.40 Format Data
- 8.4.40 Generate Reports
- 8.7.41 Provide Directory Services
- 8.1.42 Map Network Topology and Parameters
- 8.7.44 Mediate Data
- 8.7.46 Determine Data Requirements
- 8.7.47 Synchronize Data
- 8.7.49 Submit Information Requirements
- 8.7.51 Characterize Performance
- 8.1.51 Provide Machine-to-Machine Data Access Mechanisms
- 8.7.54 Convert Analog Data to Digital Data
- 8.7.62 Monitor System/Resource Allocation
- 8.7.65 Perform Text Searches
- 8.7.71 Store Semantic Information on Data
- 8.7.81 Store Data
- 8.7.84 Perform Multilevel Security Data Filtering
- 8.7.87 Validate Request for Information
- 8.7.89 Provide Discovery Metadata for Situational Awareness
- 8.7.92 Provide Relevant Information
- 8.7.98 Perform Data Check
- 9.3.1 Detect Degradation of Power and Place System in Secure State
- 9.1.18 Detect Equipment Faults
- 10.1.8 Create/Change Orders and Deliveries
- 10.1.20 Manage Catalog Item Availability
- 10.1.25 Conduct External Resupply Request
- 10.1.28 Catalog and Identify System Parts
- 13.1.5 Create Exercise Plan
- 13.2.15 Conduct Training Control

**JTT (Joint Targeting Toolbox)**

- 1.4.7 Generate National ISR Sensor Tasking
- 1.4.9 Generate Theater and External ISR Sensor Tasking
- 1.4.25 Correlate JISR Resources
- 1.4.26 Manage JISR Resources
- 2.1.2 Develop Association Hypothesis
- 2.1.4 Process Ground Moving Target Indicator (GMTI)
- 2.1.5 Exploit Moving Target Indicator Information
- 3.2.1 Generate Common Operational Picture
- 3.3.2 Identify Occurrence of ISR Event
- 3.2.2 Generate Common Tactical Picture

## UNCLASSIFIED FOUO

- 3.2.3 Generate Battle Damage Scene
- 3.4.5 Maintain Shared Situational Awareness
- 3.2.6 Generate Target Coordinates
- 3.4.6 Aggregate Events or Activities
- 3.2.7 Identify Weapons Free Zones
- 3.4.7 Aggregate Objects
- 3.4.14 Manage Target Materials Information
- 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
- 3.2.18 Display Geospatial Information Overlay
- 3.4.19 Share Information
- 3.2.23 Identify Joint Engagement Zone
- 3.2.26 Track Engagement Status
- 3.2.27 Provide Geospatial Coordinates
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.32 Mensurate Object Coordinates
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.7.1 Analyze Target Areas
- 4.3.1 Monitor Operational Situation
- 4.1.1 Analyze Terrain
- 4.8.1 Assess Mission Effectiveness
- 4.5.1 Measure Mission Performance
- 4.6.1 Determine Engageability
- 4.1.2 Analyze Atmospheric and Weather Impacts
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.6.2 Estimate Factors Affecting Weapon Performance
- 4.7.2 Manage Target List
- 4.5.2 Evaluate Intelligence
- 4.8.2 Analyze Mission
- 4.5.3 Estimate Extent of Collateral Damage
- 4.3.3 Analyze Operational Situation
- 4.7.3 Review Restricted Target List
- 4.8.3 Determine Platform-Target Weapon Pairing
- 4.7.4 Update High Value Target (HVT) List
- 4.8.4 Evaluate and Assess Engagement Effectiveness
- 4.3.4 Identify Weapon Danger Zones
- 4.8.5 Determine Weapon Availability
- 4.7.5 Select & Prioritize Target
- 4.3.5 Identify Target System Vulnerability
- 4.7.6 Predict Target Future Movements

## UNCLASSIFIED FOUO

- 4.3.6 Estimate Enemy Capability Levels
- 4.7.7 Create High Value Target (HVT) List
- 4.6.7 Determine Enemy Courses of Action (COA)
- 4.3.7 Evaluate Operational Environment
- 4.7.8 Retain or Remove Target on or from Target List
- 4.3.8 Evaluate Mission
- 4.6.9 Calculate Weapons Performance
- 4.7.9 Determine Object Probable Location
- 4.8.9 Identify Rules of Engagement (ROE) Cues
- 4.6.10 Conduct Assessment of Adversary Strengths and Vulnerability vs.Own
- 4.7.10 Identify Time Sensitive Targets
- 4.6.11 Estimate Extent of Target Damage or Destruction
- 4.8.11 Assess Threats
- 4.7.11 Determine Target Offset and Location
- 4.6.12 Estimate Weapons Effectiveness
- 4.7.12 Recommend Target for Nomination
- 4.6.13 Determine Accessibility of Attack System to Target
- 4.7.13 Enter, Edit, or Delete Target Criteria
- 4.3.16 Analyze Effects
- 4.3.17 Assess Battle Damage in Real-Time
- 4.6.17 Specify Required Effects
- 4.3.18 Assess Effect
- 4.3.20 Analyze Effects (value)
- 4.6.20 Select Best Attack Asset
- 4.6.21 Calculate Probability of Engagement Effectiveness
- 4.3.21 Analyze Effects (value)
- 4.3.22 Assess Battle Damage
- 4.6.22 Calculate Hit Probability Relative to Target Location Error
- 4.3.23 Assess Damage Reports
- 4.6.23 Analyze Vulnerability
- 4.6.24 Evaluate Potential Targets
- 4.3.24 Assess Combat Performance
- 4.6.27 Determine Time to Complete the Mission
- 4.6.34 Refine Aim Point Location
- 4.6.36 Predict ISR Collection Requirements
- 4.6.40 Generate Attack Window
- 5.2.1 Retrieve Higher Level Guidance
- 5.1.12 Create Attack Plans
- 5.1.22 Create Target & Threat Plans

## UNCLASSIFIED FOUO

- 5.1.23 Generate Weapon Terminal Guidance Plan
- 5.1.24 Format and Integrate Terminal Guidance Plan
- 5.1.37 Update Commanders Guidance
- 5.1.38 Create Staff Estimate
- 5.1.39 Update Staff Estimate
- 5.1.49 Plan Target-Weapon Type Pairing
- 5.1.54 Create Air Attack Plans
- 6.2.3 Develop Targets
- 6.1.3 Request External Fire Support
- 6.1.4 Employ Combat Assessment and BDA - Support Assets
- 6.2.4 Determine Attack Window
- 6.2.5 Calculate Weapon Delivery
- 6.1.5 Execute Tactical Fires and Maneuver Plan
- 6.2.7 Optimize Target Value vs. Weapon Value
- 6.2.12 Define Attack Guidance
- 6.1.12 Destroy In Place
- 6.2.13 Update Attack Guidance
- 6.2.14 Provide Optimized Attack Solutions
- 6.3.14 Locate Target
- 6.1.15 Prosecute Target
- 6.3.16 Engage Target With External Source
- 6.2.21 Dynamically Deconflict Engagement
- 6.2.22 Deconflict Fire Mission
- 6.2.25 Select Appropriate Lethal or Non-Lethal Attack System
- 6.2.27 Task or Re-task Targeting Assets
- 6.2.31 Select & Prioritize Target
- 6.2.33 Adjust Engagement Schedules
- 6.2.34 Compute Fire Control Solution
- 6.2.37 Manage Fire Support Information
- 6.2.44 Determine Engagement Options and Generate Weapons Employment
- 6.2.45 Compute Time-To-Target or Time-On-Target
- 6.2.46 Task or Retask Attack Assets
- 8.1.67 Manage Message Traffic
- 8.1.69 Provide Web Applications

**JWARN**

- 1.1.1 Receive and Process Signals
- 1.3.2 Detect Indications and Warnings
- 1.4.4 Control Search Parameters
- 1.4.5 Manage Sensors

## UNCLASSIFIED FOUO

- 1.4.6 Coordinate Sensor Employment with Operational Plans and Employment
- 1.4.7 Generate National ISR Sensor Tasking
- 1.4.8 Protect Sensors
- 1.4.10 Generate Sensor Coverage
- 1.3.10 Detect CBRN and Carrier
- 1.4.12 Characterize Sensors
- 1.4.13 Generate Sensor Tasking
- 1.3.13 Detect CRBNE
- 1.4.14 Control Sensor Operating Parameters
- 1.4.15 Process Source Requirements
- 1.4.16 Determine Availability of Joint Force ISR Capabilities
- 1.4.17 Determine Time to Sensor Availability
- 1.4.19 Direct and Monitor Sensor Employment
- 1.4.27 Reconfigure Netted Sensor Grid Dynamically
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3.3 Provide Indications, Warnings, and Alerts - Group
- 3.2.1 Generate Common Operational Picture
- 3.3.1 Provide Real-Time Threat Warning
- 3.2.4 Update COP Display
- 3.3.5 Generate Alert
- 3.4.5 Maintain Shared Situational Awareness
- 3.3.8 Maintain NetOps Related Threat Assessment
- 3.3.9 Warn of Weapons of Mass Destruction (WMD)
- 3.3.10 Generate Indication and Warning (I and W) Reports
- 3.5.14 Confirm Asset or Sensor Availability
- 4.8.10 Assess Warfighting Resources
- 4.8.12 Assess Landing Alternatives and Surrounding Situational Awareness
- 4.8.22 Assess Space Battle Impact
- 5.1.11 Create Sensor Plans
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 5.1.50 Draft Warning Order
- 6.1.11 Execute Collection Activities
- 6.1.18 Generate Coverage Orders
- 6.1.19 Execute Sensor Collection
- 6.2.24 Generate Tactical Parameter Orders
- 6.1.31 Process Sensor Collection Requests
- 6.1.32 Request External Sensor Tasking
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.2.6 Transmit Coverage Plan

## UNCLASSIFIED FOUO

- 7.1.95 Disseminate Sensor Products
- 8.11.1 Fuse Data
- 8.8.2 Authorize User Roles and Services
- 8.7.4 Analyze Data
- 8.11.4 Analyze Node Data Fusion Assignments
- 8.7.14 Delete Data
- 8.10.16 Present User Defined Situational Awareness Information
- 8.7.18 Archive Data
- 8.7.19 Categorize Data
- 8.2.20 Authorize Data Access
- 8.6.22 Allocate Resources
- 8.4.41 Manage Reports
- 8.7.86 Analyze and Organize Data
- 14.1.17 Evaluate Collection Results

**Link 11**

- 2.2.1 Determine Combat Identification
- 2.2.2 Determine Combat Identity
- 2.2.5 Estimate Object Classification
- 2.1.7 Qualify Track
- 2.1.9 Correlate Tracks
- 2.2.10 Determine Discrete ID
- 2.1.10 Associate Tracks
- 2.1.11 Filter Track Report
- 2.1.14 Align Tracks Geodetically
- 2.1.15 Align Tracks Relatively
- 2.1.17 Assign Track Number
- 2.1.18 Generate Global Track Number
- 2.1.21 Update Existing Track
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.23 Assign Track Category
- 2.1.25 Estimate Track Count
- 2.1.26 Maintain Track History
- 3.3.1 Provide Real-Time Threat Warning
- 3.2.2 Generate Common Tactical Picture
- 3.2.4 Update COP Display
- 3.5.5 Report Unit and Platform Status
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.2.9 Configure, Edit, and Display No-Fly Zones
- 3.2.12 Maintain and Display Force Disposition Displays

## UNCLASSIFIED FOUO

- 3.2.29 Display Formation Tracks
- 6.3.1 Generate Engagement Orders
- 6.3.2 Process Engagement Orders
- 6.1.3 Request External Fire Support
- 6.3.3 Execute Engagement
- 6.3.8 Monitor Weapon Status
- 6.3.9 Conduct Manual Engagement
- 6.3.12 Cancel Engagement
- 6.3.13 Identify Target for Weapon Employment
- 6.3.15 Conduct Automatic Engagement
- 6.2.41 Select Air-to-Surface
- 6.2.42 Select Surface-to-Air
- 6.2.43 Select Surface-to-Surface
- 7.3.1 Control Data Link
- 7.1.1 Establish Communication Networks
- 7.2.1 Transmit Navigation Signal
- 7.1.2 Provide Secure Communications
- 7.2.3 Transmit Engagement Orders
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.1.5 Transfer Data via Packet Switching
- 7.2.5 Receive Mission Update
- 7.3.5 Translate and Forward Data
- 7.1.7 Transfer Data
- 7.1.9 Transfer Data with Datagram Approach
- 7.1.10 Transfer Data via Circuit Switching
- 7.3.11 Forward Ground-based Link (GBDL)
- 7.2.11 Communicate Force Information
- 7.3.12 Forward Link Data
- 7.2.14 Communicate Engagement Orders
- 7.1.14 Respond or Reply to Request for Information
- 7.2.15 Communicate with Weapon During Flyout
- 7.3.16 Interface with Data Forwarding Controls
- 7.2.21 Transmit Sense Data
- 7.2.24 Forward Message
- 7.2.30 Transmit Track Data
- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
- 7.2.34 Relay Communications
- 7.1.34 Communicate Beyond Line of sight-Wideband MILSAT
- 7.1.37 Communications Net Message Translation

## UNCLASSIFIED FOUO

- 7.1.39 Control Communications
- 7.1.41 Provide Line-of-Sight Communications
- 7.1.54 Provide Beyond Line-of-Sight Communications
- 7.1.55 Manage Messaging Services
- 7.1.87 Communicate via Radio Frequency (RF) Communications
- 7.1.93 Communicate Data across Multiple Classification Domains
- 7.1.96 Transmit or Receive Information
- 8.1.4 Route Data
- 8.7.5 Translate Data
- 8.1.6 Support Communication
- 8.2.7 Decrypt Data
- 8.2.8 Encrypt Data
- 8.2.9 Maintain Secure Data Transmission
- 8.7.10 Filter Information
- 8.7.22 Disseminate Data
- 8.7.40 Format Data
- 8.1.51 Provide Machine-to-Machine Data Access Mechanisms

**Link 16**

- 2.1.1 Form Tracks
- 2.1.9 Correlate Tracks
- 2.1.10 Associate Tracks
- 2.1.11 Filter Track Report
- 2.1.12 Coordinate Remote Track Reporting
- 2.1.15 Align Tracks Relatively
- 2.2.17 Resolve Identification Conflicts
- 2.1.17 Assign Track Number
- 2.1.18 Generate Global Track Number
- 2.1.21 Update Existing Track
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.23 Assign Track Category
- 2.1.26 Maintain Track History
- 3.2.1 Generate Common Operational Picture
- 3.2.2 Generate Common Tactical Picture
- 3.2.4 Update COP Display
- 3.5.5 Report Unit and Platform Status
- 3.2.6 Generate Target Coordinates
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.5.9 Monitor Force Status
- 3.2.12 Maintain and Display Force Disposition Displays

## UNCLASSIFIED FOUO

- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.2.26 Track Engagement Status
- 3.2.29 Display Formation Tracks
- 4.8.5 Determine Weapon Availability
- 6.3.1 Generate Engagement Orders
- 6.3.2 Process Engagement Orders
- 6.3.3 Execute Engagement
- 6.3.8 Monitor Weapon Status
- 6.3.9 Conduct Manual Engagement
- 6.3.10 Monitor Mission Engagement
- 6.1.15 Prosecute Target
- 6.2.19 Process Engagement Orders
- 6.2.41 Select Air-to-Surface
- 6.2.42 Select Surface-to-Air
- 6.2.43 Select Surface-to-Surface
- 7.2.3 Transmit Engagement Orders
- 7.3.5 Translate and Forward Data
- 7.3.9 Filter Translation or Forwarding
- 7.2.11 Communicate Force Information
- 7.2.14 Communicate Engagement Orders
- 7.2.15 Communicate with Weapon During Flyout
- 7.2.17 Communicate Mission Information
- 7.2.30 Transmit Track Data
- 7.1.96 Transmit or Receive Information

**MBCOTM**

- 1.4.31 Process Intelligence Surveillance and Reconnaissance (ISR) Support Requests
- 2.1.6 Track Blue Forces
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3.2.1 Generate Common Operational Picture
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.4.9 Aggregate and Present Blue Force Tracks
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.2.20 Display Resource Movement
- 3.2.33 Monitor In-Flight Reporting
- 4.1.1 Analyze Terrain
- 4.1.2 Analyze Atmospheric and Weather Impacts
- 4.6.6 Analyze Blue Force Vulnerability

## UNCLASSIFIED FOUO

- 4.8.6 Analyze COAs
- 4.6.7 Determine Enemy Courses of Action (COA)
- 4.6.8 Determine Force Movement
- 5.3.8 Generate Wargaming Scenarios
- 5.1.25 Create Vehicle Maneuver Plan
- 5.1.36 Create Commanders Guidance
- 5.1.37 Update Commanders Guidance
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 6.1.5 Execute Tactical Fires and Maneuver Plan
- 6.1.6 Direct Unit Maneuvers
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.2.15 Recommend Unit Maneuvers
- 6.2.17 Process Air Support Request
- 6.1.17 Direct Battle Plan Execution
- 6.1.18 Generate Coverage Orders
- 6.2.18 Generate Mission Change Order
- 6.2.23 Create Movement Orders
- 6.2.26 Synchronize Tactics and Engagement Assignments
- 6.1.27 Direct Maneuvers
- 6.2.29 Synchronize Fires
- 7.2.5 Receive Mission Update
- 7.1.7 Transfer Data
- 7.2.11 Communicate Force Information
- 7.2.17 Communicate Mission Information
- 7.1.39 Control Communications
- 7.1.72 Operate Within Selected Frequency Range
- 7.1.96 Transmit or Receive Information
- 14.1.6 Process Intelligence Data

**MCS**

- 1.4.1 Fuse Sensor Data
- 1.1.1 Receive and Process Signals
- 1.3.1 Detect Signals and Images
- 1.4.4 Control Search Parameters
- 1.2.4 Search with Surface or Ground Search Sensor
- 1.1.4 Discriminate Objects
- 1.4.5 Manage Sensors
- 1.1.7 Register Electromagnetic Signals
- 1.3.8 Intercept and Register Signals

## UNCLASSIFIED FOUO

- 1.4.10 Generate Sensor Coverage
- 1.5.10 Translate Navigation Data
- 1.5.11 Translate Time Data
- 1.4.13 Generate Sensor Tasking
- 1.4.14 Control Sensor Operating Parameters
- 1.1.16 Process RFID Tag
- 2.1.1 Form Tracks
- 2.2.1 Determine Combat Identification
- 2.1.2 Develop Association Hypothesis
- 2.2.2 Determine Combat Identity
- 2.1.3 Manage Air Tracks
- 2.2.4 Determine Track Activity and Status
- 2.1.4 Process Ground Moving Target Indicator (GMTI)
- 2.1.5 Exploit Moving Target Indicator Information
- 2.1.6 Track Blue Forces
- 2.1.7 Qualify Track
- 2.2.9 Determine Comprehensive Track ID
- 2.1.9 Correlate Tracks
- 2.1.10 Associate Tracks
- 2.1.11 Filter Track Report
- 2.2.11 Identify Fused Data Track
- 2.2.12 Determine Identification Based on Associations
- 2.1.12 Coordinate Remote Track Reporting
- 2.1.13 Register Data
- 2.2.13 Identify Civilian Air Tracks
- 2.1.14 Align Tracks Geodetically
- 2.1.15 Align Tracks Relatively
- 2.2.17 Resolve Identification Conflicts
- 2.1.17 Assign Track Number
- 2.1.18 Generate Global Track Number
- 2.1.21 Update Existing Track
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.23 Assign Track Category
- 2.1.24 Calculate Geolocation
- 2.1.25 Estimate Track Count
- 2.1.26 Maintain Track History
- 2.1.28 Monitor Track Safe Return or Passage
- 2.1.29 Update Target, Intelligence, and System Profiles
- 2.1.30 Evaluate Track Data Fusion

## UNCLASSIFIED FOUO

- 2.1.31 Fuse Track Data
- 3.3.1 Provide Real-Time Threat Warning
- 3.2.1 Generate Common Operational Picture
- 3.2.2 Generate Common Tactical Picture
- 3.2.4 Update COP Display
- 3.5.5 Report Unit and Platform Status
- 3.3.5 Generate Alert
- 3.2.6 Generate Target Coordinates
- 3.2.7 Identify Weapons Free Zones
- 3.5.9 Monitor Force Status
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.4.17 Update Enemy Profiles
- 3.4.19 Share Information
- 3.2.20 Display Resource Movement
- 3.2.26 Track Engagement Status
- 3.2.29 Display Formation Tracks
- 3.2.31 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.6.1 Determine Engageability
- 4.3.1 Monitor Operational Situation
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.3.3 Analyze Operational Situation
- 4.6.5 Prepare Deployment Estimates
- 4.6.6 Analyze Blue Force Vulnerability
- 4.6.8 Determine Force Movement
- 4.3.8 Evaluate Mission
- 4.8.9 Identify Rules of Engagement (ROE) Cues
- 4.6.15 Determine Best Positioning for Access to the Adversary
- 4.6.25 Predict Enemy Intent
- 4.6.33 Project Ground Track Prediction
- 4.6.39 Project Tracks Future Position
- 5.3.6 Model and Simulate Scenarios
- 5.1.11 Create Sensor Plans
- 5.1.25 Create Vehicle Maneuver Plan
- 5.1.37 Update Commanders Guidance
- 5.1.39 Update Staff Estimate
- 5.1.51 Conduct Force Planning
- 6.1.6 Direct Unit Maneuvers

## UNCLASSIFIED FOUO

- 6.1.9 Control Mission
- 6.3.14 Locate Target
- 6.1.15 Prosecute Target
- 6.2.20 Determine System Configuration
- 6.1.29 Designate Track
- 6.2.30 Resolve Battlespace Conflicts
- 6.2.48 Task Vehicle Platform
- 7.1.1 Establish Communication Networks
- 7.2.3 Transmit Engagement Orders
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.2.5 Receive Mission Update
- 7.1.6 Track Requests for Information
- 7.2.6 Transmit Coverage Plan
- 7.3.8 Exchange Link-22 and TADIL A/B Data
- 7.3.11 Forward Ground-based Link (GBDL)
- 7.3.12 Forward Link Data
- 7.1.12 Transfer File
- 7.2.13 Communicate Mission Objectives & Support Needs
- 7.3.14 Forward Point-to-Point Data Link (PPDL)
- 7.2.14 Communicate Engagement Orders
- 7.3.15 Incorporate Unit Linked Data
- 7.3.16 Interface with Data Forwarding Controls
- 7.2.17 Communicate Mission Information
- 7.3.17 Forward Data Over-the-Horizon
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.61 Determine Transponder & Receiver Power Noise
- 8.11.1 Fuse Data
- 8.8.2 Authorize User Roles and Services
- 8.1.10 Receive Request for Information
- 8.8.12 Log Operator Activity
- 8.10.13 Control Refresh Rate
- 8.10.14 Identify the Need for Human-in-the-Loop Response
- 8.10.16 Present User Defined Situational Awareness Information
- 8.1.21 Manage Systems
- 9.2.1 Perform Built-In Test (BIT)
- 9.3.2 Control Battle Short Operations
- 9.1.2 Track Maintenance Trouble Reports
- 9.2.2 Perform Power Restoration and Diagnostics after Interruption
- 9.2.3 Perform Automated System Diagnostics and Reconfiguration

## UNCLASSIFIED FOUO

- 9.3.4 Provide Voltage Surge Protection
- 9.2.4 Perform Network Fault Isolation and Reconfiguration
- 9.2.5 Monitor Faults
- 9.2.6 Isolate Equipment Fault
- 9.1.8 Schedule Preventative Maintenance Procedures
- 9.1.10 Monitor/Track Maintenance Training and Qualifications
- 9.1.11 Schedule Inspections
- 9.1.25 Order Scheduled and Unscheduled Maintenance
- 13.1.1 Generate Training Reports
- 13.2.1 Tag Training Tracks
- 13.2.4 Manually Alter Training Events
- 13.1.4 Manage Unit Training
- 13.1.5 Create Exercise Plan
- 13.1.6 Evaluate Training
- 13.2.10 Perform System Training Stimulation
- 13.2.12 Perform Training Event Playback and Analysis
- 14.1.1 Collect and Process SIGINT

**MIPS**

- 1.4.9 Generate Theater and External ISR Sensor Tasking
- 1.4.10 Generate Sensor Coverage
- 5.4 Assign and Delegate Mission Requirement - Group
- 5.1.1 Generate New or Revised Plan
- 5.4.1 Assign Coverage
- 5.3.2 Generate Enemy Scenarios
- 5.4.3 Map Force Composition to Requirements
- 5.4.4 Allocate Air Defense Systems
- 5.4.6 Allocate Platform to Mission
- 5.3.6 Model and Simulate Scenarios
- 5.3.8 Generate Wargaming Scenarios
- 5.1.11 Create Sensor Plans
- 5.1.13 Create Weapons Plans
- 5.1.26 Create Air Defense Plans
- 5.1.27 Create Air Battle Plans
- 5.1.28 Create Flight Plans
- 5.1.30 Plan and Evaluate Airspace Control Measures
- 5.1.51 Conduct Force Planning
- 5.1.56 Generate Enemy Order of Battle (EOB)
- 5.1.61 Plan COA: Zone, Area, Route

**NCCT**

## UNCLASSIFIED FOUO

- 1 SENSE - Level 1
  - 1.1.1 Receive and Process Signals
  - 1.1.2 Classify Signals
  - 1.1.4 Discriminate Objects
  - 1.1.5 Estimate Multiple Objects
  - 1.1.7 Register Electromagnetic Signals
  - 1.1.12 Estimate a Single Object
  - 1.1.13 Process Acoustic Sensor Data
  - 1.1.14 Receive MTI Data
  - 1.1.15 Process Electro-Optical/Infrared (EO/IR) Data
  - 1.1.16 Process RFID Tag
  - 1.1.20 Perform Signal Parametric Analysis
  - 1.2.1 Search with Active Sensor
  - 1.2.2 Search with Underwater Sensor
  - 1.2.3 Search with Air Search Sensor
  - 1.2.4 Search with Surface or Ground Search Sensor
  - 1.2.5 Search with Passive Sensor
  - 1.2.6 Search with Space Sensor
  - 1.2.8 Search
  - 1.2.10 Locate Signal
  - 1.3.1 Detect Signals and Images
  - 1.3.2 Detect Indications and Warnings
  - 1.3.3 Detect Natural Obstacles
  - 1.3.4 Detect Man-made Obstacles
  - 1.3.7 Sense Threat
  - 1.3.8 Intercept and Register Signals
  - 1.3.12 Detect SIGINT Data
  - 1.3.15 Detect IEDs
  - 1.3.18 Detect Population Obstacles
  - 1.3.19 Detect and Process Electronic Attack
  - 1.4.1 Fuse Sensor Data
  - 1.4.3 Identify Current Platform and Sensor Tasking
  - 1.4.4 Control Search Parameters
  - 1.4.5 Manage Sensors
  - 1.4.6 Coordinate Sensor Employment with Operational Plans and Employment
  - 1.4.7 Generate National ISR Sensor Tasking
  - 1.4.8 Protect Sensors
  - 1.4.9 Generate Theater and External ISR Sensor Tasking
  - 1.4.10 Generate Sensor Coverage

## UNCLASSIFIED FOUO

- 1.4.11 Maintain Sensor Configurations
- 1.4.12 Characterize Sensors
- 1.4.13 Generate Sensor Tasking
- 1.4.14 Control Sensor Operating Parameters
- 1.4.15 Process Source Requirements
- 1.4.16 Determine Availability of Joint Force ISR Capabilities
- 1.4.17 Determine Time to Sensor Availability
- 1.4.18 Identify Current Platform and Sensor Tasking
- 1.4.19 Direct and Monitor Sensor Employment
- 1.4.20 Determine Platform and Sensor Status
- 1.4.21 Assess Sensor Performance
- 1.4.22 Calculate Sensor Error or Uncertainty
- 1.4.24 Recommend UGS (Unattended Ground Sensor) Placement
- 1.4.25 Correlate JISR Resources
- 1.4.26 Manage JISR Resources
- 1.4.27 Reconfigure Netted Sensor Grid Dynamically
- 1.4.31 Process Intelligence Surveillance and Reconnaissance (ISR) Support Requests
- 1.4.32 Control GEOINT Sensor
- 1.5.1 Detect Navigation Signals
- 1.5.2 Receive Navigation Signals
- 1.5.3 Recognize Navigation Signals
- 1.5.4 Search Navigation Signals
- 1.5.5 Process Navigation Signals
- 1.5.10 Translate Navigation Data
- 1.5.11 Translate Time Data
- 2 MANAGE TRACKING and TRACKS - Level 1
  - 2.1.1 Form Tracks
  - 2.1.2 Develop Association Hypothesis
  - 2.1.3 Manage Air Tracks
  - 2.1.4 Process Ground Moving Target Indicator (GMTI)
  - 2.1.5 Exploit Moving Target Indicator Information
  - 2.1.6 Track Blue Forces
  - 2.1.7 Qualify Track
  - 2.1.8 Fuse Track Measurements
  - 2.1.9 Correlate Tracks
  - 2.1.10 Associate Tracks
  - 2.1.11 Filter Track Report
  - 2.1.12 Coordinate Remote Track Reporting
  - 2.1.13 Register Data

## UNCLASSIFIED FOUO

- 2.1.14 Align Tracks Geodetically
- 2.1.15 Align Tracks Relatively
- 2.1.16 Align Tracks through Inter-link Reference Frames
- 2.1.17 Assign Track Number
- 2.1.18 Generate Global Track Number
- 2.1.19 Align Multi-Sensor Data
- 2.1.20 Associate Multi-Sensor Data
- 2.1.21 Update Existing Track
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.23 Assign Track Category
- 2.1.24 Calculate Geolocation
- 2.1.25 Estimate Track Count
- 2.1.26 Maintain Track History
- 2.1.27 Extract Feature
- 2.1.29 Update Target, Intelligence, and System Profiles
- 2.1.30 Evaluate Track Data Fusion
- 2.1.31 Fuse Track Data
- 2.1.32 Determine Line of Bearing (LOB) Point of Origin
- 2.2.1 Determine Combat Identification
- 2.2.2 Determine Combat Identity
- 2.2.3 Determine Identification Based on Reference Data
- 2.2.4 Determine Track Activity and Status
- 2.2.5 Estimate Object Classification
- 2.2.6 Execute Recognition
- 2.2.7 Declare Identification Level of Confidence
- 2.2.8 Determine Composite ID
- 2.2.9 Determine Comprehensive Track ID
- 2.2.10 Determine Discrete ID
- 2.2.11 Identify Fused Data Track
- 2.2.12 Determine Identification Based on Associations
- 2.2.14 Identify Civilian Maritime Surface Tracks
- 2.2.15 Determine Procedural Identification
- 2.2.16 Determine Organization Identification
- 2.2.17 Resolve Identification Conflicts
- 2.2.18 Determine Blue Force Tracking Identification
- 2.2.19 Associate Blue Forces in Proximity to Target
- 3 GENERATE COMMON SITUATIONAL AWARENESS - Level 1
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3.2.1 Generate Common Operational Picture

## UNCLASSIFIED FOUO

- 3.2.2 Generate Common Tactical Picture
- 3.2.3 Generate Battle Damage Scene
- 3.2.4 Update COP Display
- 3.2.5 Identify Return to Force (RTF) Profiles
- 3.2.6 Generate Target Coordinates
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
- 3.2.16 Provide OPLAN Visibility
- 3.2.17 Generate Unit and Platform Availability
- 3.2.18 Display Geospatial Information Overlay
- 3.2.19 Display Electronic Spectrum Allocation for Area of Concern
- 3.2.20 Display Resource Movement
- 3.2.23 Identify Joint Engagement Zone
- 3.2.26 Track Engagement Status
- 3.2.27 Provide Geospatial Coordinates
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.29 Display Formation Tracks
- 3.2.32 Mensurate Object Coordinates
- 3.2.33 Monitor In-Flight Reporting
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 3.3.1 Provide Real-Time Threat Warning
- 3.3.2 Identify Occurrence of ISR Event
- 3.3.3 Protect Resources
- 3.3.5 Generate Alert
- 3.3.8 Maintain NetOps Related Threat Assessment
- 3.3.10 Generate Indication and Warning (I and W) Reports
- 3.4.1 Display Automatic Target Recognition
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.4.5 Maintain Shared Situational Awareness
- 3.4.6 Aggregate Events or Activities
- 3.4.7 Aggregate Objects
- 3.4.10 Integrate Information on Potential Adversary COA
- 3.4.11 Translate and Distribute Commanders Intent
- 3.4.12 Collect Performance Data
- 3.4.14 Manage Target Materials Information
- 3.4.16 Record Events for Post Operations Analysis
- 3.4.17 Update Enemy Profiles

## UNCLASSIFIED FOUO

- 3.4.18 Provide Performance Data for Presentation
- 3.4.19 Share Information
- 3.5.1 Monitor Embedded Mission Readiness
- 3.5.2 Update Resource Information
- 3.5.5 Report Unit and Platform Status
- 3.5.6 Access Joint Asset Information
- 3.5.9 Monitor Force Status
- 3.5.10 Present Mission Resources Information
- 3.5.12 Retrieve and Maintain Rules of Engagement (ROE)
- 3.5.13 Monitor Information Operations (IO)
- 3.5.14 Confirm Asset or Sensor Availability
- 3.5.15 Define Required Launch Platform State
- 3.5.19 Display and Monitor Sensor Assets
- 4.1.1 Analyze Terrain
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.3.6 Estimate Enemy Capability Levels
- 4.3.7 Evaluate Operational Environment
- 4.3.12 Analyze and Filter Fusion Product Information
- 4.3.13 Manage Pattern Analysis Engine Controls
- 4.3.14 Manage Pattern Model Generation
- 4.3.15 Generate Multiple Image View Analysis
- 4.3.16 Analyze Effects
- 4.3.17 Assess Battle Damage in Real-Time
- 4.3.18 Assess Effect
- 4.3.19 Evaluate Effects of Electronic Warfare (EW)
- 4.3.20 Analyze Effects (value)
- 4.3.21 Analyze Effects (value)
- 4.3.22 Assess Battle Damage
- 4.5.1 Measure Mission Performance
- 4.5.2 Evaluate Intelligence
- 4.6.2 Estimate Factors Affecting Weapon Performance
- 4.6.3 Predict Situation Effects
- 4.6.4 Identify Status of Forces
- 4.6.7 Determine Enemy Courses of Action (COA)
- 4.6.8 Determine Force Movement
- 4.6.12 Estimate Weapons Effectiveness
- 4.6.13 Determine Accessibility of Attack System to Target
- 4.6.14 Calculate Probabilities for Potential Actions
- 4.6.15 Determine Best Positioning for Access to the Adversary

## UNCLASSIFIED FOUO

- 4.6.16 Determine Electromagnetic Signature (EMSIG) Vulnerability
- 4.6.18 Predict Sensor Performance and Calculate Sensor Coverage
- 4.6.21 Calculate Probability of Engagement Effectiveness
- 4.6.23 Analyze Vulnerability
- 4.6.25 Predict Enemy Intent
- 4.6.26 Prevent Resource Failures
- 4.6.30 Create Dynamically Predictive Plans
- 4.6.31 Predict Joint Asset Shortfall
- 4.6.33 Project Ground Track Prediction
- 4.6.34 Refine Aim Point Location
- 4.6.35 Predict Intercept
- 4.6.36 Predict ISR Collection Requirements
- 4.6.39 Project Tracks Future Position
- 4.7 Analyze Targets - Group
- 4.7.2 Manage Target List
- 4.7.4 Update High Value Target (HVT) List
- 4.7.5 Select & Prioritize Target
- 4.7.6 Predict Target Future Movements
- 4.7.7 Create High Value Target (HVT) List
- 4.7.10 Identify Time Sensitive Targets
- 4.7.11 Determine Target Offset and Location
- 4.7.12 Recommend Target for Nomination
- 4.7.13 Enter, Edit, or Delete Target Criteria
- 4.8.1 Assess Mission Effectiveness
- 4.8.4 Evaluate and Assess Engagement Effectiveness
- 4.8.10 Assess Warfighting Resources
- 4.8.15 Determine Information Operations (IO) Vulnerability
- 4.8.17 Correlate Events
- 4.8.18 Assess Achievement of Planned Effects
- 4.8.23 Assess IO Impact
- 4.8.24 Evaluate Feedback
- 4.8.25 Exploit Intelligence
- 5 MISSION PLANNING - Level 1
- 5.1.1 Generate New or Revised Plan
- 5.1.2 Enter and Update Commander's Critical Information Requirements (CCIRs)
- 5.1.11 Create Sensor Plans
- 5.2.1 Retrieve Higher Level Guidance
- 5.3.1 Conduct Mission Rehearsal
- 5.3.5 Provide Exercise Functions

## UNCLASSIFIED FOUO

- 5.3.6 Model and Simulate Scenarios
- 5.3.7 Provide Experimentation Functions
- 5.3.8 Generate Wargaming Scenarios
- 5.5.3 Develop Event Template
- 6 MISSION EXECUTION - Level 1
  - 6.1.1 Coordinate Mission Execution
    - 6.1.7 Task Combat and Battle Damage Assessment Support Assets
      - 6.1.11 Execute Collection Activities
      - 6.1.14 Coordinate and Execute Selected COA
      - 6.1.15 Prosecute Target
      - 6.1.19 Execute Sensor Collection
      - 6.1.28 Employ Electronic Counter-Counter Measures
      - 6.1.29 Designate Track
      - 6.1.30 Convert Sensor Asset Requests into Sensor Control Orders
      - 6.1.31 Process Sensor Collection Requests
      - 6.1.32 Request External Sensor Tasking
    - 6.2.2 Optimize Configuration
    - 6.2.3 Develop Targets
      - 6.2.28 Establish Sensor to Shooter Linkages
      - 6.2.29 Synchronize Fires
    - 6.3.6 Provide Dismounted Target Hand-Off and Designation
      - 6.3.14 Locate Target
      - 6.3.20 Perform Electronic Attack
      - 6.3.21 Conduct Semi-Automatic Engagement
  - 7 COMMUNICATIONS - Level 1
    - 7.1.1 Establish Communication Networks
      - 7.1.5 Transfer Data via Packet Switching
      - 7.1.6 Track Requests for Information
      - 7.1.7 Transfer Data
      - 7.1.9 Transfer Data with Datagram Approach
      - 7.1.10 Transfer Data via Circuit Switching
      - 7.1.11 Transfer Information Over Multiple Channels Simultaneously
      - 7.1.12 Transfer File
      - 7.1.14 Respond or Reply to Request for Information
      - 7.1.37 Communications Net Message Translation
      - 7.1.45 Coordinate Tactical Reach-Back
      - 7.1.46 Dynamically Switch or Route Unicast (point-to-point), Multicast, and Broadcast T
      - 7.1.49 Perform Dynamic Data Transmission Path Selection
      - 7.1.55 Manage Messaging Services

## UNCLASSIFIED FOUO

- 7.1.80 Dynamically Transfer Data Based on Precedence
- 7.1.93 Communicate Data across Multiple Classification Domains
- 7.1.94 Provide Transport Services
- 7.1.95 Disseminate Sensor Products
- 7.1.96 Transmit or Receive Information
- 7.2.5 Receive Mission Update
- 7.2.7 Receive Strategic Mission & Guidance
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.2.13 Communicate Mission Objectives & Support Needs
- 7.2.17 Communicate Mission Information
- 7.2.19 Maintain Routing Information
- 7.2.20 Collect and Route Signals
- 7.2.21 Transmit Sense Data
- 7.2.24 Forward Message
- 7.2.25 Exchange Messages Asynchronously
- 7.2.27 Exchange Messages Synchronously
- 7.2.28 Retransmit or Cross-Band Information
- 7.2.29 Transmit Measurement Data
- 7.2.30 Transmit Track Data
- 7.2.31 Perform System-Independent Representation
- 7.2.34 Relay Communications
- 7.3.5 Translate and Forward Data
- 7.3.9 Filter Translation or Forwarding
- 7.3.17 Forward Data Over-the-Horizon
- 8 ENTERPRISE IT/NETWORK INFRASTRUCTURE - Level 1
  - 8.1.5 Share Information
  - 8.1.11 Provide Message Services
  - 8.1.13 Maintain Network and Communication Status
  - 8.1.16 Manage Network Performance
  - 8.1.17 Perform Data Services
  - 8.1.18 Remotely Control System Operations
  - 8.1.19 Conduct Information Management
  - 8.1.20 Manage Network Functions
  - 8.1.21 Manage Systems
  - 8.1.22 Provide Networked Services and Applications
  - 8.1.23 Synchronize Network Timing
  - 8.1.24 Assess Network
  - 8.1.25 Manage Status of Network Assets

## UNCLASSIFIED FOUO

- 8.1.39 Establish Redundancy in the Network
- 8.1.40 Initialize and Finalize Service Execution
- 8.1.41 Manage Services
- 8.1.42 Map Network Topology and Parameters
- 8.1.43 Negotiate Services Across Networks
- 8.1.45 Provide Application Development Services
- 8.1.46 Provide Asymmetric Network Capability
- 8.1.48 Provide Common Services
- 8.1.49 Provide Cross-Functional Community of Interest Support Services
- 8.1.51 Provide Machine-to-Machine Data Access Mechanisms
- 8.1.53 Provide Over the Air Software Upgrades
- 8.1.54 Select Transmission Path for Ensuring Required Quality of Service (QOS)
- 8.1.55 Provide Subscription Services
- 8.1.58 Manage Trouble Tickets
- 8.1.63 Provide Online Disk Management Services
- 8.1.64 Provide Online Help Services
- 8.1.67 Manage Message Traffic
- 8.1.68 Provide Workgroup or Groupware Capability
- 8.1.69 Provide Web Applications
- 8.1.70 Assess Peer Computing Program (PCP) Resources
- 8.2.1 Perform Network Information Assurance
- 8.2.2 Detect Security Events
- 8.2.3 Regulate Information Dissemination
- 8.2.5 Provide Confidentiality Services
- 8.2.6 Provide Entity Authentication Services
- 8.2.7 Decrypt Data
- 8.2.8 Encrypt Data
- 8.2.9 Maintain Secure Data Transmission
- 8.2.10 Monitor Network Security
- 8.2.11 Provide Identity Management Services
- 8.2.12 Provide Embedded Programmable Cryptographic Capability
- 8.2.13 Implement NSA or NIST Public Key Cryptography
- 8.2.14 Provide Tamper Detection Capability
- 8.2.15 Provide Cryptographic Services
- 8.2.17 Maintain Network Classification
- 8.2.18 Perform Registration Services
- 8.2.19 Validate User Credentials
- 8.2.20 Authorize Data Access
- 8.2.21 Respond to Security Events

## UNCLASSIFIED FOUO

- 8.2.22 Access Information at Multiple Levels of Security
- 8.2.26 Configure Communications and Security Devices
- 8.2.27 Handle Multiple Security Levels
- 8.2.28 Identify Firewall Rule Set Penetration Events
- 8.2.41 Provide Audit Services
- 8.2.44 Retain Cryptography after Power Loss
- 8.2.45 Invoke Zeroization Capability
- 8.3.1 Establish Network
- 8.3.2 Dynamically Configure or Reconfigure Network
- 8.3.3 Establish and Maintain Connectivity
- 8.3.7 Establish Node Associations
- 8.4.11 Manage Discovery Services
- 8.4.13 Perform Calculation
- 8.4.14 Process Information Distributively
- 8.4.21 Process Imagery
- 8.4.24 Execute Operating System Functions
- 8.4.25 Generate Data Analysis Menu Screens
- 8.4.26 Perform Batch Processing Services
- 8.4.28 Provide Dialogue Support Services
- 8.4.29 Provide Display Object Services
- 8.4.31 Provide Graphical Client – Server Services
- 8.4.35 Window Management Services
- 8.4.40 Generate Reports
- 8.4.41 Manage Reports
- 8.4.43 Generate Preformatted Graphics
- 8.5.1 Operate Network
- 8.5.2 Transmit Data on Established Path
- 8.5.3 Identify Transmission Paths
- 8.5.4 Manage Network Accounting
- 8.5.5 Adjust Network Resources
- 8.5.6 Coordinate Network Resource Availability
- 8.5.7 Control Normal Operations
- 8.5.8 Maintain Required Quality of Service
- 8.5.11 Monitor Network Usage
- 8.5.13 Employ Over-the-Air Transfer
- 8.5.20 Establish Optimum Connection – Oriented Network Services
- 8.5.30 Provide Network Management Hardware/Software Mechanisms
- 8.6.10 Maintain NetOps Configuration Monitoring
- 8.7.1 Manage Data Infrastructure

## UNCLASSIFIED FOUO

- 8.7.2 Manage General Information
- 8.7.3 Perform Dynamic Routing
- 8.7.4 Analyze Data
- 8.7.5 Translate Data
- 8.7.6 Update Data
- 8.7.7 Maintain Data Integrity
- 8.7.8 Query Data
- 8.7.9 Sort Data
- 8.7.10 Filter Information
- 8.7.11 Formulate Discovery Search
- 8.7.13 Compress Data
- 8.7.14 Delete Data
- 8.7.15 Transform Data
- 8.7.16 Migrate Data
- 8.7.17 Cleanse Data
- 8.7.18 Archive Data
- 8.7.19 Categorize Data
- 8.7.20 Characterize Objects
- 8.7.21 Correlate Data
- 8.7.22 Disseminate Data
- 8.7.24 Manage Information Delivery
- 8.7.25 Register Data
- 8.7.26 Replicate Data
- 8.7.27 Retrieve Data
- 8.7.28 Provide Database Utilities
- 8.7.29 Manage Data Storage
- 8.7.30 Populate Data Repositories
- 8.7.31 Allocate Storage Resources
- 8.7.32 Manage Metadata
- 8.7.33 Transfer Application Data
- 8.7.34 Verify Data
- 8.7.35 Regulate Data Flow
- 8.7.36 Post or Publish Data
- 8.7.37 Ensure Data Asset Visibility
- 8.7.38 Provide Visibility of Data Storage Infrastructure
- 8.7.39 Aggregate Data
- 8.7.40 Format Data
- 8.7.41 Provide Directory Services
- 8.7.42 Request Data

## UNCLASSIFIED FOUO

- 8.7.43 Mine Data
- 8.7.44 Mediate Data
- 8.7.45 Apply Data
- 8.7.46 Determine Data Requirements
- 8.7.47 Synchronize Data
- 8.7.48 Monitor Data
- 8.7.49 Submit Information Requirements
- 8.7.50 Discover Data
- 8.7.51 Characterize Performance
- 8.7.52 Report Performance Results
- 8.7.53 Access Subject Matter Expert & Essential Information
- 8.7.54 Convert Analog Data to Digital Data
- 8.7.55 Establish Discovery Catalogs
- 8.7.57 Maintain Distributed Archives
- 8.7.58 Manage COI Catalogs
- 8.7.60 Manage Enterprise Storage Resources
- 8.7.63 Search within Context
- 8.7.64 Integrate Data
- 8.7.65 Perform Text Searches
- 8.7.66 Post Metadata to a Discovery Catalog
- 8.7.67 Post Metadata to a Federated Directory
- 8.7.68 Post Metadata to Metadata Registries
- 8.7.69 Query Unit and Infrastructure Strength and Limitations
- 8.7.70 Re-Map Information
- 8.7.71 Store Semantic Information on Data
- 8.7.72 Subscribe to Data
- 8.7.74 Update Subscription Database
- 8.7.75 Manage Core Services Repository
- 8.7.76 Provide Data Mediation
- 8.7.79 Recover Data
- 8.7.83 Manage and Manipulate File and File Systems
- 8.7.84 Perform Multilevel Security Data Filtering
- 8.7.85 Perform Distributed Data Services
- 8.7.86 Analyze and Organize Data
- 8.7.89 Provide Discovery Metadata for Situational Awareness
- 8.8.2 Authorize User Roles and Services
- 8.8.3 Manage Accounts
- 8.8.4 Monitor and Adapt User Interface
- 8.8.5 Assign Roles and Privileges

## UNCLASSIFIED FOUO

- 8.8.6 Maintain and Create User Profile
- 8.8.12 Log Operator Activity
- 8.8.13 Control System States and Modes
- 8.9.5 Integrate Enterprise Applications
- 8.9.6 Interact with Enterprise Information Environment
- 8.9.7 Manage Enterprise Information Assets
- 8.9.8 Evaluate Enterprise Knowledge Information
- 8.9.9 Publish Request for Services
- 8.10.1 Integrate Human Machine Interface
- 8.10.3 Display Data
- 8.10.5 Provide Feedback on User Input and Actions
- 8.10.8 Provide Network Manager Human System Integration
- 8.10.9 Provide Automated Interfaces to Current System Planning Tools
- 8.10.10 Provide Graphical User Interface Services
- 8.10.11 Provide Data Entry Interface
- 8.10.14 Identify the Need for Human-in-the-Loop Response
- 8.10.16 Present User Defined Situational Awareness Information
- 8.10.17 Provide Decision Matrix
- 8.11.1 Fuse Data
- 8.11.2 Evaluate the Data Fusion Process
- 8.11.3 Refine the Data Fusion Performance
- 8.11.4 Analyze Node Data Fusion Assignments
- 8.11.5 ID Product Types for Data Fusion
- 8.12 Enterprise Collaboration Services
  - 8.12.1 Manage Collaboration Activities
  - 8.12.2 Initiate Collaboration
  - 8.12.3 Perform Collaboration
  - 8.12.4 Allocate and Manage Collaboration Communications
  - 8.12.5 Terminate Collaboration
  - 8.12.6 Conduct Decision Process Collaboration
  - 8.12.7 Manage Collaboration Resources
  - 8.12.8 Determine Collaboration Resource Availability
  - 8.12.9 Provide Common Workspace
  - 8.12.10 Transcribe Collaboration
- 9 SYSTEM TEST, MAINTENANCE, AND PROTECTION - Level 1
  - 9.1.1 Estimate Equipment Reliability
  - 9.1.2 Track Maintenance Trouble Reports
  - 9.1.3 Analyze Theater Maintenance Repair Unit Visibility
  - 9.1.5 Integrate Maintenance and Operations Schedules

## UNCLASSIFIED FOUO

- 9.1.6 Manage Service Requests
- 9.1.7 Plan Maintenance Part and Material Requirements
- 9.1.8 Schedule Preventative Maintenance Procedures
- 9.1.9 Determine Maintenance Personnel Availability
- 9.1.10 Monitor/Track Maintenance Training and Qualifications
- 9.1.11 Schedule Inspections
- 9.1.12 Maintain Parts Information
- 9.1.14 Modify Maintenance Plan
- 9.1.15 Conduct Maintenance Planning
- 9.1.16 Control Graceful Degradation
- 9.1.18 Detect Equipment Faults
- 9.1.19 Provide On-Line Fault Isolation
- 9.1.20 Track Maintenance Repairs
- 9.1.21 Assess Equipment Faults
- 9.1.22 Predict Equipment Faults
- 9.1.23 Perform Diagnostic Testing
- 9.1.24 Track Fault Data
- 9.1.25 Order Scheduled and Unscheduled Maintenance
- 9.1.26 Provide Preventive Maintenance Requirements Instructions
- 9.2.1 Perform Built-In Test (BIT)
- 9.2.2 Perform Power Restoration and Diagnostics after Interruption
- 9.2.3 Perform Automated System Diagnostics and Reconfiguration
- 9.2.4 Perform Network Fault Isolation and Reconfiguration
- 9.2.5 Monitor Faults
- 9.2.6 Isolate Equipment Fault
- 9.2.7 Restore Network Power
- 10 LOGISTICS - Level 1
- 10.1.3 Identify Catalog Item by Serial Numbers
- 10.1.4 Process Issue of Goods
- 10.1.5 Track Inventory
- 10.1.6 Register Receipt of Goods
- 10.1.7 Manage Receipt and Acceptance of Goods Transactions
- 10.1.8 Create/Change Orders and Deliveries
- 10.1.9 Perform Lifecycle Asset Accountability
- 10.1.10 Optimize Service Delivery Process
- 10.1.11 Update, Store, Display Special Order Requests (SOR)
- 10.1.12 Analyze Theater Commercial Supply Availability
- 10.1.13 Forecast Future Consumption Requirements
- 10.1.15 Manage Inventory

## UNCLASSIFIED FOUO

- 10.1.16 Manage Receivables
- 10.1.17 Process Subsequent Delivery
- 10.1.18 Predict Asset Re-supply Requirements
- 10.1.19 Transfer and Allocate Assets
- 10.1.20 Manage Catalog Item Availability
- 10.1.21 Track Order Status
- 10.1.22 Provide Routing and Scheduling
- 10.1.23 Process Warfighter Supply Needs Entry
- 10.1.24 Automatically Detect Supply Needs
- 10.1.25 Conduct External Resupply Request
- 10.1.26 Manage Disposal Activities
- 10.1.28 Catalog and Identify System Parts
- 13 TRAINING- Level 1
  - 13.1.1 Generate Training Reports
  - 13.1.2 Perform Training Exercise
  - 13.1.3 Evaluate Course Effectiveness
  - 13.1.4 Manage Unit Training
  - 13.1.5 Create Exercise Plan
  - 13.1.6 Evaluate Training
  - 13.2.1 Tag Training Tracks
  - 13.2.2 Assess Training Engagement
  - 13.2.3 Update Training Situational Awareness
  - 13.2.4 Manually Alter Training Events
  - 13.2.5 Perform Embedded Training
  - 13.2.6 Commence Embedded Training
  - 13.2.7 Terminate Embedded Training
  - 13.2.8 Pause Embedded Training
  - 13.2.9 Return to Training
  - 13.2.10 Perform System Training Stimulation
  - 13.2.11 Perform System Training Simulation
  - 13.2.12 Perform Training Event Playback and Analysis
  - 13.2.13 Set System Safeties for Training
  - 13.2.14 Conduct Individual Computer Generated Instruction
  - 13.2.15 Conduct Training Control
  - 13.3.1 Track Training Equipment
  - 13.3.2 Generate and Manage Curriculum Content
  - 13.3.3 Schedule Training Courses
  - 13.3.4 Schedule Training Resources
  - 13.3.5 Generate Student Schedules

## UNCLASSIFIED FOUO

- 13.3.6 Maintain Course Enrollment Data
- 13.3.7 Allocate Training Resources
- 13.3.8 Maintain Attendance and Completion Records
- 14 INTELLIGENCE - Level 1
  - 14.1.1 Collect and Process SIGINT
  - 14.1.2 Collect and Process IMINT Data
  - 14.1.3 Collect and Process MASINT Data
  - 14.1.4 Receive and Process HUMINT Data
  - 14.1.5 Collect and Process Video Sensor Data
  - 14.1.6 Process Intelligence Data
  - 14.1.7 Manage Images
  - 14.1.8 Rectify Image
  - 14.1.9 Convert Image Format
  - 14.1.10 Parse HUMINT Report
  - 14.1.11 Disseminate Intelligence Products
  - 14.1.12 Fuse Single-Source Intelligence Data
  - 14.1.13 Fuse Multi-Source Intelligence Data
  - 14.1.16 Disseminate High Priority Tactical SIGINT Report
  - 14.1.17 Evaluate Collection Results
  - 14.1.18 Evaluate Intelligence Collection, Products, Reporting
  - 14.1.19 Identify, Prioritize and Validate Intelligence Requirements
  - 14.1.20 Generate Intelligence Product Update Requests
  - 14.1.21 Extract Automated Feature
  - 14.1.22 Correlate Image
  - 14.1.23 Perform Imagery Coordinate Mensuration
  - 14.1.24 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
  - 14.1.25 Provide Data Assets from IPOE Products
  - 14.1.26 Conduct Joint Intelligence Preparation of the Operational Environment
  - 14.1.27 Provide Defense Intelligence Services
  - 14.1.28 Disseminate Tactical SIGINT Report

**NECC**

- 1.5 Precision Time and Navigation - Group
  - 1.1 Signal Receipt & Processing - Group
    - 1 SENSE - Level 1
  - 1.4 Sensor Management - Group
  - 1.3 Detection - Group
  - 1.2 Perform Search - Group
    - 1.5.1 Detect Navigation Signals
    - 1.2.1 Search with Active Sensor

## UNCLASSIFIED FOUO

- 1.4.1 Fuse Sensor Data
- 1.3.1 Detect Signals and Images
  - 1.1.1 Receive and Process Signals
  - 1.1.2 Classify Signals
- 1.3.2 Detect Indications and Warnings
  - 1.2.2 Search with Underwater Sensor
- 1.5.2 Receive Navigation Signals
- 1.4.3 Identify Current Platform and Sensor Tasking
  - 1.2.3 Search with Air Search Sensor
- 1.3.3 Detect Natural Obstacles
  - 1.1.3 Process IFF Signals
- 1.5.3 Recognize Navigation Signals
- 1.4.4 Control Search Parameters
  - 1.3.4 Detect Man-made Obstacles
  - 1.5.4 Search Navigation Signals
- 1.2.4 Search with Surface or Ground Search Sensor
  - 1.1.4 Discriminate Objects
  - 1.1.5 Estimate Multiple Objects
- 1.4.5 Manage Sensors
  - 1.2.5 Search with Passive Sensor
- 1.3.5 Detect Mines
  - 1.5.5 Process Navigation Signals
- 1.3.6 Detect Unexploded Ordnance
  - 1.1.6 Associate IFF Response
- 1.4.6 Coordinate Sensor Employment with Operational Plans and Employment
  - 1.2.6 Search with Space Sensor
- 1.5.6 Correlate Navigational Data
  - 1.2.7 Interrogate Track for IFF
- 1.4.7 Generate National ISR Sensor Tasking
  - 1.5.7 Select Navigational Data Source
- 1.1.7 Register Electromagnetic Signals
  - 1.3.7 Sense Threat
- 1.4.8 Protect Sensors
  - 1.2.8 Search
- 1.5.8 Integrate GPS Port Data
  - 1.3.8 Intercept and Register Signals
- 1.4.9 Generate Theater and External ISR Sensor Tasking
  - 1.5.9 Distribute Precision Navigation and Time Data
- 1.3.9 Detect Toxic Industrial Chemicals (TIC)

## UNCLASSIFIED FOUO

- 1.2.9 Search Selected Countermeasures Signals
- 1.5.10 Translate Navigation Data
- 1.3.10 Detect CBRN and Carrier
- 1.4.10 Generate Sensor Coverage
- 1.2.10 Locate Signal
- 1.5.11 Translate Time Data
- 1.4.11 Maintain Sensor Configurations
- 1.3.11 Detect Toxic Industrial Materials (TIM)
- 1.4.12 Characterize Sensors
- 1.3.12 Detect SIGINT Data
- 1.1.12 Estimate a Single Object
- 1.1.13 Process Acoustic Sensor Data
- 1.3.13 Detect CRBNE
- 1.4.13 Generate Sensor Tasking
- 1.4.14 Control Sensor Operating Parameters
- 1.3.14 Detect and Report Impediments
- 1.1.14 Receive MTI Data
- 1.4.15 Process Source Requirements
- 1.3.15 Detect IEDs
- 1.1.15 Process Electro-Optical/Infrared (EO/IR) Data
- 1.1.16 Process RFID Tag
- 1.3.16 Detect Booby Traps
- 1.4.16 Determine Availability of Joint Force ISR Capabilities
- 1.4.17 Determine Time to Sensor Availability
- 1.3.17 Detect IFF Response
- 1.4.18 Identify Current Platform and Sensor Tasking
- 1.3.18 Detect Population Obstacles
- 1.4.19 Direct and Monitor Sensor Employment
- 1.3.19 Detect and Process Electronic Attack
- 1.4.20 Determine Platform and Sensor Status
- 1.1.20 Perform Signal Parametric Analysis
- 1.4.21 Assess Sensor Performance
- 1.4.22 Calculate Sensor Error or Uncertainty
- 1.4.24 Recommend UGS (Unattended Ground Sensor) Placement
- 1.4.25 Correlate JISR Resources
- 1.4.26 Manage JISR Resources
- 1.4.27 Reconfigure Netted Sensor Grid Dynamically
- 1.4.31 Process Intelligence Surveillance and Reconnaissance (ISR) Support Requests
- 1.4.32 Control GEOINT Sensor

## UNCLASSIFIED FOUO

- 1.4.33 Process Satellite Access Authorization Information
- 2.2 Combat Identification - Group
  - 2.1 Perform Tracking - Group
  - 2 MANAGE TRACKING and TRACKS - Level 1
    - 2.1.1 Form Tracks
    - 2.2.1 Determine Combat Identification
    - 2.2.2 Determine Combat Identity
    - 2.1.2 Develop Association Hypothesis
    - 2.1.3 Manage Air Tracks
    - 2.2.3 Determine Identification Based on Reference Data
    - 2.1.4 Process Ground Moving Target Indicator (GMTI)
    - 2.2.4 Determine Track Activity and Status
    - 2.2.5 Estimate Object Classification
    - 2.1.5 Exploit Moving Target Indicator Information
    - 2.1.6 Track Blue Forces
    - 2.2.6 Execute Recognition
    - 2.1.7 Qualify Track
    - 2.2.7 Declare Identification Level of Confidence
    - 2.2.8 Determine Composite ID
    - 2.1.8 Fuse Track Measurements
    - 2.2.9 Determine Comprehensive Track ID
    - 2.1.9 Correlate Tracks
    - 2.2.10 Determine Discrete ID
    - 2.1.10 Associate Tracks
    - 2.2.11 Identify Fused Data Track
    - 2.1.11 Filter Track Report
    - 2.1.12 Coordinate Remote Track Reporting
    - 2.2.12 Determine Identification Based on Associations
    - 2.1.13 Register Data
    - 2.2.13 Identify Civilian Air Tracks
    - 2.1.14 Align Tracks Geodetically
    - 2.2.14 Identify Civilian Maritime Surface Tracks
    - 2.2.15 Determine Procedural Identification
    - 2.1.15 Align Tracks Relatively
    - 2.2.16 Determine Organization Identification
    - 2.1.16 Align Tracks through Inter-link Reference Frames
    - 2.2.17 Resolve Identification Conflicts
    - 2.1.17 Assign Track Number
    - 2.2.18 Determine Blue Force Tracking Identification

## UNCLASSIFIED FOUO

- 2.1.18 Generate Global Track Number
- 2.2.19 Associate Blue Forces in Proximity to Target
- 2.1.19 Align Multi-Sensor Data
- 2.1.20 Associate Multi-Sensor Data
- 2.1.21 Update Existing Track
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.23 Assign Track Category
- 2.1.24 Calculate Geolocation
- 2.1.25 Estimate Track Count
- 2.1.26 Maintain Track History
- 2.1.27 Extract Feature
- 2.1.28 Monitor Track Safe Return or Passage
- 2.1.29 Update Target, Intelligence, and System Profiles
- 2.1.30 Evaluate Track Data Fusion
- 2.1.31 Fuse Track Data
- 2.1.32 Determine Line of Bearing (LOB) Point of Origin
- 3.3 Provide Indications, Warnings, and Alerts - Group
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
- 3 GENERATE COMMON SITUATIONAL AWARENESS - Level 1
- 3.5 Monitor Mission Readiness - Group
- 3.4 CSA Data Management - Group
- 3.4.1 Display Automatic Target Recognition
- 3.3.1 Provide Real-Time Threat Warning
- 3.2.1 Generate Common Operational Picture
- 3.5.1 Monitor Embedded Mission Readiness
- 3.3.2 Identify Occurrence of ISR Event
- 3.5.2 Update Resource Information
- 3.2.2 Generate Common Tactical Picture
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.5.3 Analyze Transportation Asset Visibility
- 3.3.3 Protect Resources
- 3.2.3 Generate Battle Damage Scene
- 3.3.4 Display Interference Alerts
- 3.2.4 Update COP Display
- 3.3.5 Generate Alert
- 3.5.5 Report Unit and Platform Status
- 3.4.5 Maintain Shared Situational Awareness
- 3.2.5 Identify Return to Force (RTF) Profiles
- 3.4.6 Aggregate Events or Activities

## UNCLASSIFIED FOUO

- 3.2.6 Generate Target Coordinates
- 3.5.6 Access Joint Asset Information
- 3.2.7 Identify Weapons Free Zones
- 3.4.7 Aggregate Objects
- 3.3.7 Integrate Alert Sequencing Doctrine
- 3.3.8 Maintain NetOps Related Threat Assessment
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.4.8 Manage Prioritization of Defended Asset Information Sets
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.5.9 Monitor Force Status
- 3.4.9 Aggregate and Present Blue Force Tracks
- 3.3.9 Warn of Weapons of Mass Destruction (WMD)
- 3.2.9 Configure, Edit, and Display No-Fly Zones
- 3.5.10 Present Mission Resources Information
- 3.2.10 Configure, Edit, and Display Restricted Navigation Zones
- 3.4.10 Integrate Information on Potential Adversary COA
- 3.3.10 Generate Indication and Warning (I and W) Reports
- 3.4.11 Translate and Distribute Commanders Intent
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.5.12 Retrieve and Maintain Rules of Engagement (ROE)
- 3.4.12 Collect Performance Data
- 3.4.13 Manage Airspace Control Measures
- 3.5.13 Monitor Information Operations (IO)
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.4.14 Manage Target Materials Information
- 3.5.14 Confirm Asset or Sensor Availability
- 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
- 3.5.15 Define Required Launch Platform State
- 3.2.16 Provide OPLAN Visibility
- 3.4.16 Record Events for Post Operations Analysis
- 3.5.16 Identify and Catalog Joint Assets and Activities
- 3.5.17 Process Asset Specific Information Query
- 3.4.17 Update Enemy Profiles
- 3.2.17 Generate Unit and Platform Availability
- 3.4.18 Provide Performance Data for Presentation
- 3.5.18 Monitor Weapon and Ammunition Inventories
- 3.2.18 Display Geospatial Information Overlay
- 3.4.19 Share Information
- 3.5.19 Display and Monitor Sensor Assets

## UNCLASSIFIED FOUO

- 3.2.19 Display Electronic Spectrum Allocation for Area of Concern
- 3.2.20 Display Resource Movement
- 3.2.23 Identify Joint Engagement Zone
- 3.2.25 Present War Reserve Material Readiness
- 3.2.26 Track Engagement Status
- 3.2.27 Provide Geospatial Coordinates
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.29 Display Formation Tracks
- 3.2.31 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
- 3.2.32 Mensurate Object Coordinates
- 3.2.33 Monitor In-Flight Reporting
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.6 Perform Predictive Analysis - Group
- 4.5 Measure Analysis Results - Group
- 4.7 Analyze Targets - Group
- 4.8 Perform Mission Assessment - Group
- 4.3 Analyze Operational Environment - Group
- 4 MISSION ANALYSIS - Level 1
- 4.2 Analyze Natural Environment - Group
- 4.1 Analyze Natural Environmental Impacts - Group
- 4.8.1 Assess Mission Effectiveness
- 4.6.1 Determine Engageability
- 4.1.1 Analyze Terrain
- 4.7.1 Analyze Target Areas
- 4.2.1 Assess Environment
- 4.5.1 Measure Mission Performance
- 4.3.1 Monitor Operational Situation
- 4.1.2 Analyze Atmospheric and Weather Impacts
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.2.2 Perform Natural Environmental & Topographical Analysis
- 4.5.2 Evaluate Intelligence
- 4.6.2 Estimate Factors Affecting Weapon Performance
- 4.8.2 Analyze Mission
- 4.7.2 Manage Target List
- 4.2.3 Analyze Meteorological Conditions
- 4.5.3 Estimate Extent of Collateral Damage
- 4.7.3 Review Restricted Target List
- 4.8.3 Determine Platform-Target Weapon Pairing
- 4.1.3 Determine Electromagnetic Interference (EMI) Impact

## UNCLASSIFIED FOUO

- 4.6.3 Predict Situation Effects
- 4.3.3 Analyze Operational Situation
- 4.7.4 Update High Value Target (HVT) List
- 4.8.4 Evaluate and Assess Engagement Effectiveness
- 4.2.4 Assess Meteorological and Oceanographic (METOC) Conditions
- 4.3.4 Identify Weapon Danger Zones
- 4.6.4 Identify Status of Forces
- 4.8.5 Determine Weapon Availability
- 4.3.5 Identify Target System Vulnerability
- 4.7.5 Select & Prioritize Target
- 4.6.5 Prepare Deployment Estimates
- 4.3.6 Estimate Enemy Capability Levels
- 4.7.6 Predict Target Future Movements
- 4.6.6 Analyze Blue Force Vulnerability
- 4.8.6 Analyze COAs
- 4.7.7 Create High Value Target (HVT) List
- 4.6.7 Determine Enemy Courses of Action (COA)
- 4.3.7 Evaluate Operational Environment
- 4.8.7 Analyze Potential Air or Space Conflicts
- 4.3.8 Evaluate Mission
- 4.7.8 Retain or Remove Target on or from Target List
- 4.6.8 Determine Force Movement
- 4.8.8 Assess Force Readiness
- 4.8.9 Identify Rules of Engagement (ROE) Cues
- 4.7.9 Determine Object Probable Location
- 4.6.9 Calculate Weapons Performance
- 4.7.10 Identify Time Sensitive Targets
- 4.6.10 Conduct Assessment of Adversary Strengths and Vulnerability vs. Own
- 4.8.10 Assess Warfighting Resources
- 4.8.11 Assess Threats
- 4.7.11 Determine Target Offset and Location
- 4.6.11 Estimate Extent of Target Damage or Destruction
- 4.6.12 Estimate Weapons Effectiveness
- 4.8.12 Assess Landing Alternatives and Surrounding Situational Awareness
- 4.3.12 Analyze and Filter Fusion Product Information
- 4.7.12 Recommend Target for Nomination
- 4.8.13 Integrate Fires and Maneuvers Guidance
- 4.6.13 Determine Accessibility of Attack System to Target
- 4.3.13 Manage Pattern Analysis Engine Controls

## UNCLASSIFIED FOUO

- 4.7.13 Enter, Edit, or Delete Target Criteria
- 4.6.14 Calculate Probabilities for Potential Actions
- 4.3.14 Manage Pattern Model Generation
- 4.6.15 Determine Best Positioning for Access to the Adversary
- 4.3.15 Generate Multiple Image View Analysis
- 4.8.15 Determine Information Operations (IO) Vulnerability
- 4.3.16 Analyze Effects
- 4.6.16 Determine Electromagnetic Signature (EMSIG) Vulnerability
- 4.3.17 Assess Battle Damage in Real-Time
- 4.6.17 Specify Required Effects
- 4.8.17 Correlate Events
- 4.8.18 Assess Achievement of Planned Effects
- 4.6.18 Predict Sensor Performance and Calculate Sensor Coverage
- 4.3.18 Assess Effect
- 4.3.19 Evaluate Effects of Electronic Warfare (EW)
- 4.6.19 Specify Collateral Damage Considerations
- 4.3.20 Analyze Effects (value)
- 4.8.20 Analyze Resource Tasking and Control
- 4.6.20 Select Best Attack Asset
- 4.8.21 Assess Air Battle Impact
- 4.3.21 Analyze Effects (value)
- 4.6.21 Calculate Probability of Engagement Effectiveness
- 4.8.22 Assess Space Battle Impact
- 4.3.22 Assess Battle Damage
- 4.6.22 Calculate Hit Probability Relative to Target Location Error
- 4.6.23 Analyze Vulnerability
- 4.8.23 Assess IO Impact
- 4.3.23 Assess Damage Reports
- 4.8.24 Evaluate Feedback
- 4.3.24 Assess Combat Performance
- 4.6.24 Evaluate Potential Targets
- 4.8.25 Exploit Intelligence
- 4.6.25 Predict Enemy Intent
- 4.6.26 Prevent Resource Failures
- 4.8.26 Assess from Multiple Perspectives
- 4.6.27 Determine Time to Complete the Mission
- 4.6.28 Generate CBRN Avoidance Area Prediction
- 4.6.29 Generate Environmental Prediction
- 4.6.30 Create Dynamically Predictive Plans

## UNCLASSIFIED FOUO

- 4.6.31 Predict Joint Asset Shortfall
- 4.6.32 Predict Weapon System Readiness Trend
- 4.6.33 Project Ground Track Prediction
- 4.6.34 Refine Aim Point Location
- 4.6.35 Predict Intercept
- 4.6.36 Predict ISR Collection Requirements
- 4.6.37 Predict Airborne Dispersion
- 4.6.38 Predict Oceanographic Dispersion
- 4.6.39 Project Tracks Future Position
- 4.6.40 Generate Attack Window
- 5.1 Create and Revise Plans - Group
- 5 MISSION PLANNING - Level 1
- 5.2 Review Plans - Group
- 5.3 Rehearse Mission - Group
- 5.4 Assign and Delegate Mission Requirement - Group
- 5.5 Identify Planning Requirement Factors - Group
- 5.1.1 Generate New or Revised Plan
- 5.3.1 Conduct Mission Rehearsal
- 5.2.1 Retrieve Higher Level Guidance
- 5.4.1 Assign Coverage
- 5.5.1 Identify Weapon Control Parameters
- 5.1.2 Enter and Update Commander's Critical Information Requirements (CCIRs)
- 5.4.2 Support Asset Tasking
- 5.5.2 Determine Force Requirements
- 5.3.2 Generate Enemy Scenarios
- 5.1.3 Manage Guidance and Objectives
- 5.5.3 Develop Event Template
- 5.4.3 Map Force Composition to Requirements
- 5.3.3 Generate Logistics Scenarios
- 5.1.4 Create Network Plans
- 5.5.4 Establish Force Reporting Criteria Responsibilities
- 5.3.4 Simulate COAs
- 5.4.4 Allocate Air Defense Systems
- 5.1.5 Generate Ingress and Egress Plans
- 5.4.5 Determine Operational and Tactical Assets
- 5.5.5 Establish Force Reporting Procedures
- 5.3.5 Provide Exercise Functions
- 5.1.6 Generate Coordinated Flight and Terminal Seeker Operation Plan
- 5.3.6 Model and Simulate Scenarios

## UNCLASSIFIED FOUO

- 5.4.6 Allocate Platform to Mission
- 5.5.6 Generate & Validate CCIR (PIR, FFIR, EEFI)
- 5.4.7 Coordinate Plans and Tasking with Other Components
- 5.3.7 Provide Experimentation Functions
- 5.1.8 Manage Policies
- 5.3.8 Generate Wargaming Scenarios
- 5.4.8 Generate Space Tasking Order Message
- 5.1.9 Interpret Supplemental Rules of Engagement (SROE) and Rules of Engagement
- 5.4.9 Assign Assets/Resources
- 5.1.10 Generate Input to Missions Plans
- 5.4.10 Generate Air Tasking Order Message
- 5.1.11 Create Sensor Plans
- 5.4.11 Analyze Host Nation/Commercial Asset Visibility and Availability
- 5.1.12 Create Attack Plans
- 5.4.12 Analyze Theater Supply and Service Units
- 5.1.13 Create Weapons Plans
- 5.4.13 Determine Targeting Asset Requirements
- 5.1.14 Create Maneuver Plans
- 5.4.14 Determine Time Requirements Given Mensuration Parameters
- 5.1.15 Create Strategic Plans
- 5.1.16 Develop Deconfliction Plan
- 5.1.17 Create Collection Plans
- 5.1.18 Conduct Information Assurance Planning
- 5.1.19 Create Space Battle Plans
- 5.1.20 Generate Correction or Contingency Plans
- 5.1.21 Create Water Space Utilization Plans
- 5.1.22 Create Target & Threat Plans
- 5.1.23 Generate Weapon Terminal Guidance Plan
- 5.1.24 Format and Integrate Terminal Guidance Plan
- 5.1.25 Create Vehicle Maneuver Plan
- 5.1.26 Create Air Defense Plans
- 5.1.27 Create Air Battle Plans
- 5.1.28 Create Flight Plans
- 5.1.29 Generate Weapon Navigation and Flight Plan
- 5.1.30 Plan and Evaluate Airspace Control Measures
- 5.1.31 Create Updated Flight Plans
- 5.1.32 Format and Integrate In-Flight Weapon Plan
- 5.1.35 Update Communications Network Plan
- 5.1.36 Create Commanders Guidance

## UNCLASSIFIED FOUO

- 5.1.37 Update Commanders Guidance
- 5.1.38 Create Staff Estimate
- 5.1.39 Update Staff Estimate
- 5.1.40 Record Priority Intelligence Requirements
- 5.1.42 Update Information Assurance Plan
- 5.1.43 Modify Resupply Plan
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.46 Develop CONOPS
- 5.1.47 Develop Initial Alternative Courses of Action
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.49 Plan Target-Weapon Type Pairing
- 5.1.50 Draft Warning Order
- 5.1.51 Conduct Force Planning
- 5.1.52 Create Tactical Plans/ Orders
- 5.1.53 Create Information Operations (IO) Plan
- 5.1.54 Create Air Attack Plans
- 5.1.55 Create CBR Defense Plans
- 5.1.56 Generate Enemy Order of Battle (EOB)
- 5.1.57 Build Information Dissemination Delivery Plan
- 5.1.58 Create Shaping Plan
- 5.1.59 Generate In-Flight Weapon Plan Changes
- 5.1.60 Modify Medical Plan
- 5.1.61 Plan COA: Zone, Area, Route
- 5.1.62 Deconflict the Airspace
- 5.1.63 Conduct Medical Planning
- 5.1.64 Create Flight Schedules
- 5.1.65 Develop and Promulgate Rules of Engagement (ROE)
- 6 MISSION EXECUTION - Level 1
- 6.1 Manage Platforms and Systems - Group
- 6.3 Perform Engagement - Group
- 6.2 Decision - Group
- 6.3.1 Generate Engagement Orders
- 6.2.1 Provide Re-attack Recommendation
- 6.1.1 Coordinate Mission Execution
- 6.2.2 Optimize Configuration
- 6.3.2 Process Engagement Orders
- 6.3.3 Execute Engagement
- 6.1.3 Request External Fire Support

## UNCLASSIFIED FOUO

- 6.2.3 Develop Targets
- 6.3.4 Configure Weapons
- 6.1.4 Employ Combat Assessment and BDA - Support Assets
- 6.2.4 Determine Attack Window
- 6.1.5 Execute Tactical Fires and Maneuver Plan
- 6.2.5 Calculate Weapon Delivery
- 6.3.5 Control Munitions
- 6.3.6 Provide Dismounted Target Hand-Off and Designation
- 6.1.6 Direct Unit Maneuvers
- 6.2.6 Certify Track Data Availability
- 6.1.7 Task Combat and Battle Damage Assessment Support Assets
- 6.2.7 Optimize Target Value vs. Weapon Value
- 6.3.7 Guide Weapons
- 6.1.8 Source and Coordinate Preferred COA
- 6.2.8 Produce Engagement Schedules
- 6.3.8 Monitor Weapon Status
- 6.3.9 Conduct Manual Engagement
- 6.1.9 Control Mission
- 6.3.10 Monitor Mission Engagement
- 6.1.10 Order Deployment of Coordinated Strike Forces
- 6.2.10 Recommend Maneuvers to Avoid Interference
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.3.11 Integrate Rules of Engagement (ROE)
- 6.1.11 Execute Collection Activities
- 6.1.12 Destroy In Place
- 6.2.12 Define Attack Guidance
- 6.3.12 Cancel Engagement
- 6.2.13 Update Attack Guidance
- 6.3.13 Identify Target for Weapon Employment
- 6.1.13 Employ Obscurants
- 6.1.14 Coordinate and Execute Selected COA
- 6.2.14 Provide Optimized Attack Solutions
- 6.3.14 Locate Target
- 6.1.15 Prosecute Target
- 6.3.15 Conduct Automatic Engagement
- 6.2.15 Recommend Unit Maneuvers
- 6.1.16 Allocate Troop and Cargo Transport
- 6.3.16 Engage Target With External Source
- 6.2.16 Operate Aircraft

## UNCLASSIFIED FOUO

- 6.1.17 Direct Battle Plan Execution
- 6.2.17 Process Air Support Request
- 6.3.17 Employ Countermeasures
- 6.1.18 Generate Coverage Orders
- 6.2.18 Generate Mission Change Order
- 6.3.18 Execute Electronic Protection
- 6.1.19 Execute Sensor Collection
- 6.3.19 Illuminate Target
- 6.2.19 Process Engagement Orders
- 6.1.20 Position System
- 6.2.20 Determine System Configuration
- 6.3.20 Perform Electronic Attack
- 6.2.21 Dynamically Deconflict Engagement
- 6.3.21 Conduct Semi-Automatic Engagement
- 6.1.21 Coordinate Mission Weapon Employment
- 6.3.22 Supply Terminal Guidance Reference Data
- 6.1.22 Adjudicate Platform Initialization or Shutdown
- 6.2.22 Deconflict Fire Mission
- 6.1.23 Control Emission Control (EMCON) Operations
- 6.2.23 Create Movement Orders
- 6.2.24 Generate Tactical Parameter Orders
- 6.1.24 Maintain Weapons Release Condition Status
- 6.2.25 Select Appropriate Lethal or Non-Lethal Attack System
- 6.1.25 Manage Weapon Hand-Over
- 6.1.26 Generate Orders to Align System Parameters
- 6.2.26 Synchronize Tactics and Engagement Assignments
- 6.1.27 Direct Maneuvers
- 6.2.27 Task or Re-task Targeting Assets
- 6.2.28 Establish Sensor to Shooter Linkages
- 6.1.28 Employ Electronic Counter-Counter Measures
- 6.2.29 Synchronize Fires
- 6.1.29 Designate Track
- 6.2.30 Resolve Battlespace Conflicts
- 6.1.30 Convert Sensor Asset Requests into Sensor Control Orders
- 6.2.31 Select & Prioritize Target
- 6.1.31 Process Sensor Collection Requests
- 6.1.32 Request External Sensor Tasking
- 6.2.32 Assign System Coverage
- 6.2.33 Adjust Engagement Schedules

## UNCLASSIFIED FOUO

- 6.2.34 Compute Fire Control Solution
- 6.2.35 Evaluate Weapons Intercept Volume
- 6.2.36 Generate Engagement Decision Response
- 6.2.37 Manage Fire Support Information
- 6.2.38 Generate Mission Change Request
- 6.2.39 Select Air-to-Air
- 6.2.40 Request Waiver to Rules of Engagement (ROE)
- 6.2.41 Select Air-to-Surface
- 6.2.42 Select Surface-to-Air
- 6.2.43 Select Surface-to-Surface
- 6.2.44 Determine Engagement Options and Generate Weapons Employment
- 6.2.45 Compute Time-To-Target or Time-On-Target
- 6.2.46 Task or Retask Attack Assets
- 6.2.47 Determine Electronic Attack Countermeasure
- 6.2.48 Task Vehicle Platform
- 7.2 Provide Information Exchange - Group
- 7 COMMUNICATIONS - Level 1
- 7.1 Provide Ability to Communicate - Group
- 7.3 Data Link Services - Group
- 7.2.1 Transmit Navigation Signal
- 7.1.1 Establish Communication Networks
- 7.3.1 Control Data Link
- 7.3.2 Manage Frequency Assignment Request
- 7.2.2 Transmit Weapons Recommendations
- 7.1.2 Provide Secure Communications
- 7.2.3 Transmit Engagement Orders
- 7.3.3 Control Operational Mode of Transport Services
- 7.1.3 Employ Conference Communications Services
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.3.4 Control Translation or Forwarding (T/F)
- 7.1.4 Send Messages on Timed Delivery Basis
- 7.2.5 Receive Mission Update
- 7.3.5 Translate and Forward Data
- 7.1.5 Transfer Data via Packet Switching
- 7.3.6 Operate In Receive-Only Mode
- 7.2.6 Transmit Coverage Plan
- 7.1.6 Track Requests for Information
- 7.2.7 Receive Strategic Mission & Guidance
- 7.1.7 Transfer Data

## UNCLASSIFIED FOUO

- 7.3.7 Control Data Link Router
- 7.1.8 Transfer Data via a Virtual Circuit
- 7.3.8 Exchange Link-22 and TADIL A/B Data
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.3.9 Filter Translation or Forwarding
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 7.1.9 Transfer Data with Datagram Approach
- 7.1.10 Transfer Data via Circuit Switching
- 7.3.10 Forward ATDL-1
- 7.2.10 Transmit Configuration Orders
- 7.1.11 Transfer Information Over Multiple Channels Simultaneously
- 7.3.11 Forward Ground-based Link (GBDL)
- 7.2.11 Communicate Force Information
- 7.1.12 Transfer File
- 7.3.12 Forward Link Data
- 7.2.12 Communicate Status
- 7.2.13 Communicate Mission Objectives & Support Needs
- 7.3.13 Forward NATO Link-1
- 7.1.13 Identify Communications Assets
- 7.2.14 Communicate Engagement Orders
- 7.1.14 Respond or Reply to Request for Information
- 7.3.14 Forward Point-to-Point Data Link (PPDL)
- 7.3.15 Incorporate Unit Linked Data
- 7.2.15 Communicate with Weapon During Flyout
- 7.2.16 Communicate Meteorological and Oceanographic (METOC) Data
- 7.3.16 Interface with Data Forwarding Controls
- 7.3.17 Forward Data Over-the-Horizon
- 7.2.17 Communicate Mission Information
- 7.2.18 Communicate Geodesy Data
- 7.2.19 Maintain Routing Information
- 7.1.19 Select Message
- 7.2.20 Collect and Route Signals
- 7.1.20 Prioritize Message
- 7.2.21 Transmit Sense Data
- 7.1.21 Provide Message Status
- 7.1.22 Manage Message Boards
- 7.2.22 Control Use of Information Transfer System
- 7.2.23 Deliver Mission-Type Orders to Subordinate Echelons
- 7.1.23 Notify User of Message Arrival

## UNCLASSIFIED FOUO

- 7.1.24 Manage E-Mail
- 7.2.24 Forward Message
- 7.1.25 Communicate Beyond Line of Sight Anti Jam Wideband Satellite
- 7.2.25 Exchange Messages Asynchronously
- 7.1.26 Communicate Beyond Line of sight Narrowband-Satellite-LPI/LPD
- 7.1.27 Communicate Beyond Line of sight using Mobile/Emergency-Satellite
- 7.2.27 Exchange Messages Synchronously
- 7.2.28 Retransmit or Cross-Band Information
- 7.1.28 Communicate Beyond Line of sight wideband-Satellite-Protected/Hardened
- 7.1.29 Communicate Beyond Line of sight-Multiband Wideband Satellite
- 7.2.29 Transmit Measurement Data
- 7.1.30 Communicate Beyond Line of sight-Narrowband Commercial Satellite
- 7.2.30 Transmit Track Data
- 7.2.31 Perform System-Independent Representation
- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
- 7.1.32 Communicate Beyond Line of sight-Narrowband-Satellite-Protected/Hardened
- 7.2.32 Provide Specialized Data Interchange Services
- 7.1.33 Communicate Beyond Line of sight-Wideband Commercial Satellite
- 7.2.33 Disseminate Cryptographic Policy
- 7.1.34 Communicate Beyond Line of sight-Wideband MILSAT
- 7.2.34 Relay Communications
- 7.1.35 Communicate Beyond Line of sight-Wideband-Satellite-LPI/LPD
- 7.2.35 Transmit Personnel Security Data
- 7.1.36 Communicate Beyond Line of sight-Wideband-Satellite-Single Band/Multilink
- 7.1.37 Communications Net Message Translation
- 7.1.38 Communicate Beyond Line of Sight Anti Jam Narrowband Satellite
- 7.1.39 Control Communications
- 7.1.41 Provide Line-of-Sight Communications
- 7.1.44 Conduct Video Conferencing
- 7.1.45 Coordinate Tactical Reach-Back
- 7.1.46 Dynamically Switch or Route Unicast (point-to-point), Multicast, and Broadcast T
- 7.1.47 Limit Scope and Impact of Multicast Traffic on Network
- 7.1.49 Perform Dynamic Data Transmission Path Selection
- 7.1.50 Translate Foreign Languages
- 7.1.51 Broadcast Information
- 7.1.52 Provide International Operation Services
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.54 Provide Beyond Line-of-Sight Communications
- 7.1.55 Manage Messaging Services

## UNCLASSIFIED FOUO

- 7.1.56 Provide Shared Audio Visualization Capabilities
- 7.1.57 Control Power Output for Transmitters
- 7.1.59 Translate Text to Speech
- 7.1.60 Determine Signal Loss between Satellite and Earth Site
- 7.1.61 Determine Transponder & Receiver Power Noise
- 7.1.62 Determine Signal Power Received at Satellite & Earth Station
- 7.1.64 Demultiplex Data Transmission
- 7.1.65 Ensure Non-Repudiation
- 7.1.66 Demodulate an Analog Signal
- 7.1.67 Determine Spectrum Availability for User
- 7.1.68 Monitor RF Spectrum
- 7.1.69 Multiplex Data for Transmission
- 7.1.70 Monitor & Adjust Beam Coverage
- 7.1.71 Monitor Frequency Allocation Requirement Satisfaction
- 7.1.72 Operate Within Selected Frequency Range
- 7.1.73 Perform Voice Multiplexing or Demultiplexing
- 7.1.74 Perform Interference Analysis
- 7.1.75 Prepare Communication Budget Calculations
- 7.1.76 Provide Frequency Allocations
- 7.1.77 Coordinate Message Delivery
- 7.1.78 Collect & Store Satellite Link Status Relative to Link Budget
- 7.1.79 Address Data by Position or Organization
- 7.1.80 Dynamically Transfer Data Based on Precedence
- 7.1.81 Automatically Select Frequency
- 7.1.82 Conduct Automated Load Balancing
- 7.1.83 Conduct Transmission Error Detection and Correction
- 7.1.84 Modulate Digital Data
- 7.1.85 Scan Radio Frequencies
- 7.1.86 Provide Notification of Frequency Assignment Status
- 7.1.87 Communicate via Radio Frequency (RF) Communications
- 7.1.88 Communicate Signals via Line Communications
- 7.1.89 Dynamically Manage or Allocate Frequencies
- 7.1.90 Select Optimum Transmission Path
- 7.1.91 Communicate via Acoustic Communications
- 7.1.92 Communicate System Status Out-of-Band
- 7.1.93 Communicate Data across Multiple Classification Domains
- 7.1.94 Provide Transport Services
- 7.1.95 Disseminate Sensor Products
- 7.1.96 Transmit or Receive Information

## UNCLASSIFIED FOUO

- 7.1.97 Transmit in Variety of Waveforms
- 8.1 Provide Human Machine Interface - Group
- 8.12 Enterprise Collaboration Services
- 8.11 Fuse Network Data - Group
- 8.6 Network Configuration - Group
- 8.7 Manage Data - Group
- 8.5 Operate/Maintain Network - Group
- 8.8 Perform User Management Services - Group
- 8.2 Provide Information Assurance - Group
- 8 ENTERPRISE IT/NETWORK INFRASTRUCTURE - Level 1
- 8.1 Network Services - Group
- 8.4 IT Computing Services - Group
- 8.3 Network Establishment - Group
- 8.5.1 Operate Network
- 8.12.1 Manage Collaboration Activities
- 8.6.1 Configure Network
- 8.11.1 Fuse Data
- 8.10.1 Integrate Human Machine Interface
- 8.7.1 Manage Data Infrastructure
- 8.8.1 Customize User Management
- 8.4.1 Create and Edit Messages
- 8.3.1 Establish Network
- 8.2.1 Perform Network Information Assurance
- 8.1.1 Provide Network Services
- 8.8.2 Authorize User Roles and Services
- 8.7.2 Manage General Information
- 8.5.2 Transmit Data on Established Path
- 8.11.2 Evaluate the Data Fusion Process
- 8.12.2 Initiate Collaboration
- 8.3.2 Dynamically Configure or Reconfigure Network
- 8.2.2 Detect Security Events
- 8.5.3 Identify Transmission Paths
- 8.10.3 Display Data
- 8.8.3 Manage Accounts
- 8.12.3 Perform Collaboration
- 8.11.3 Refine the Data Fusion Performance
- 8.7.3 Perform Dynamic Routing
- 8.3.3 Establish and Maintain Connectivity
- 8.1.3 Provide Remote Access

## UNCLASSIFIED FOUO

- 8.2.3 Regulate Information Dissemination
- 8.6.4 Provide Bandwidth
- 8.11.4 Analyze Node Data Fusion Assignments
- 8.12.4 Allocate and Manage Collaboration Communications
- 8.5.4 Manage Network Accounting
- 8.8.4 Monitor and Adapt User Interface
- 8.7.4 Analyze Data
- 8.2.4 Render Useless
- 8.4.4 Perform Desktop Publishing
- 8.3.4 Establish Wireless Battleforce Network
- 8.1.4 Route Data
- 8.9.5 Integrate Enterprise Applications
- 8.10.5 Provide Feedback on User Input and Actions
- 8.12.5 Terminate Collaboration
- 8.11.5 ID Product Types for Data Fusion
- 8.8.5 Assign Roles and Priviledges
- 8.5.5 Adjust Network Resources
- 8.7.5 Translate Data
- 8.1.5 Share Information
- 8.4.5 Manage Documents
- 8.3.5 Establish Circuit
- 8.2.5 Provide Confidentiality Services
- 8.8.6 Maintain and Create User Profile
- 8.12.6 Conduct Decision Process Collaboration
- 8.9.6 Interact with Enterprise Information Environment
- 8.3.6 Establish Connectionless Network Services
- 8.7.6 Update Data
- 8.1.6 Support Communication
- 8.2.6 Provide Entity Authentication Services
- 8.4.6 Support Web Browsing
- 8.9.7 Manage Enterprise Information Assets
- 8.5.7 Control Normal Operations
- 8.12.7 Manage Collaboration Resources
- 8.4.7 Spell and Grammar Check Documents
- 8.3.7 Establish Node Associations
- 8.7.7 Maintain Data Integrity
- 8.2.7 Decrypt Data
- 8.8.8 Manage Cryptographic Accounts
- 8.5.8 Maintain Required Quality of Service

## UNCLASSIFIED FOUO

- 8.9.8 Evaluate Enterprise Knowledge Information
- 8.12.8 Determine Collaboration Resource Availability
- 8.7.8 Query Data
- 8.3.8 Authenticate Wireless Network Associations
- 8.2.8 Encrypt Data
- 8.4.8 Bind Services and Application Program Interfaces
- 8.9.9 Publish Request for Services
- 8.12.9 Provide Common Workspace
- 8.7.9 Sort Data
- 8.10.9 Provide Automated Interfaces to Current System Planning Tools
- 8.3.9 Load Applications
- 8.4.9 Duplicate Optical Media
- 8.1.9 Provide Network Applications Services
- 8.2.9 Maintain Secure Data Transmission
- 8.7.10 Filter Information
- 8.10.10 Provide Graphical User Interface Services
- 8.12.10 Transcribe Collaboration
- 8.3.10 Develop Clients and Servers
- 8.4.10 Generate Displays
- 8.2.10 Monitor Network Security
- 8.1.10 Receive Request for Information
- 8.7.11 Formulate Discovery Search
- 8.8.11 Manage COI Subscriptions
- 8.10.11 Provide Data Entry Interface
- 8.4.11 Manage Discovery Services
- 8.1.11 Provide Message Services
- 8.2.11 Provide Identity Management Services
- 8.3.11 Identify Variance
- 8.5.12 Predict System Capability
- 8.10.12 Provide Light Discipline for User
- 8.2.12 Provide Embedded Programmable Cryptographic Capability
- 8.1.12 Provide Negotiation services
- 8.4.12 Process Multimedia Information
- 8.5.13 Employ Over-the-Air Transfer
- 8.7.13 Compress Data
- 8.6.13 Report to Spectrum Management System
- 8.10.13 Control Refresh Rate
- 8.2.13 Implement NSA or NIST Public Key Cryptography
- 8.4.13 Perform Calculation

## UNCLASSIFIED FOUO

- 8.1.13 Maintain Network and Communication Status
- 8.8.14 Register in Community of Interest (COI) Directory
- 8.6.14 Request Bandwidth Allocation
- 8.5.14 Manage Power
- 8.7.14 Delete Data
- 8.10.14 Identify the Need for Human-in-the-Loop Response
- 8.1.14 Provide Network Access
- 8.2.14 Provide Tamper Detection Capability
- 8.5.15 Receive Storage Media Resource Request
- 8.7.15 Transform Data
- 8.10.15 Provide Human Performance
- 8.8.15 Request Access to Enterprise Information Environment
- 8.4.15 Produce and Manipulate Video
- 8.1.15 Provided Shared Production Capabilities
- 8.2.15 Provide Cryptographic Services
- 8.5.16 Discard Cells
- 8.10.16 Present User Defined Situational Awareness Information
- 8.7.16 Migrate Data
- 8.1.16 Manage Network Performance
- 8.2.16 Provide Transmission Security
- 8.4.16 Produce and Manage Media
- 8.7.17 Cleanse Data
- 8.10.17 Provide Decision Matrix
- 8.1.17 Perform Data Services
- 8.2.17 Maintain Network Classification
- 8.4.17 Produce Label Templates
- 8.7.18 Archive Data
- 8.1.18 Remotely Control System Operations
- 8.2.18 Perform Registration Services
- 8.4.18 Produce PDF Documents
- 8.7.19 Categorize Data
- 8.2.19 Validate User Credentials
- 8.4.19 Provide and Manage Graphics
- 8.1.19 Conduct Information Management
- 8.7.20 Characterize Objects
- 8.6.20 Provide Aggregated Network Assess Services
- 8.4.20 Provide Streaming Video
- 8.2.20 Authorize Data Access
- 8.1.20 Manage Network Functions

## UNCLASSIFIED FOUO

- 8.6.21 Predict Equipment Faults
- 8.7.21 Correlate Data
- 8.1.21 Manage Systems
- 8.4.21 Process Imagery
- 8.2.21 Respond to Security Events
- 8.7.22 Disseminate Data
- 8.6.22 Allocate Resources
- 8.4.22 View Documents
- 8.1.22 Provide Networked Services and Applications
- 8.2.22 Access Information at Multiple Levels of Security
- 8.6.23 Convert Data File Format
- 8.7.23 Disseminate Time Data
- 8.1.23 Synchronize Network Timing
- 8.4.23 Execute Command Interpreter and Utility Services
- 8.7.24 Manage Information Delivery
- 8.4.24 Execute Operating System Functions
- 8.1.24 Assess Network
- 8.2.24 Authenticate Data
- 8.7.25 Register Data
- 8.5.25 Identify Electronic Attack
- 8.1.25 Manage Status of Network Assets
- 8.2.25 Authorize Information Import/Export
- 8.4.25 Generate Data Analysis Menu Screens
- 8.7.26 Replicate Data
- 8.1.26 Perform System and Network Analysis
- 8.2.26 Configure Communications and Security Devices
- 8.4.26 Perform Batch Processing Services
- 8.7.27 Retrieve Data
- 8.1.27 Terminate Network Connection
- 8.4.27 Provide Character-Based Services
- 8.2.27 Handle Multiple Security Levels
- 8.7.28 Provide Database Utilities
- 8.4.28 Provide Dialogue Support Services
- 8.2.28 Identify Firewall Rule Set Penetration Events
- 8.1.28 Find Services
- 8.7.29 Manage Data Storage
- 8.2.29 Identify Insider Anomaly Events
- 8.4.29 Provide Display Object Services
- 8.1.29 Assess Peer Architecture

## UNCLASSIFIED FOUO

- 8.7.30 Populate Data Repositories
- 8.2.30 Identify Intrusion Detection System (IDS) Events
- 8.1.30 Assess Peer Network Connectivity
- 8.4.30 Provide Fax Services
- 8.7.31 Allocate Storage Resources
- 8.4.31 Provide Graphical Client – Server Services
- 8.1.31 Maintain Global Directory Service
- 8.2.31 Manage Threats to Network
- 8.7.32 Manage Metadata
- 8.2.32 Mitigate Opportunity to Attack
- 8.1.32 Calculate Circuit Loads
- 8.5.32 Reroute Messages
- 8.7.33 Transfer Application Data
- 8.5.33 Scan Mailbox
- 8.2.33 Distribute and Enable Network Keys
- 8.1.33 Calculate Processing Availability
- 8.4.33 Provide Printing Services
- 8.7.34 Verify Data
- 8.2.34 Generate Network Keys
- 8.4.34 Support Multimedia Processing
- 8.1.35 Design and Maintain Web Pages
- 8.2.35 Manage Network Keys
- 8.7.35 Regulate Data Flow
- 8.4.35 Window Management Services
- 8.7.36 Post or Publish Data
- 8.4.36 Provide Office Automation Services
- 8.2.36 Order Network Keys
- 8.1.36 Determine Energy Usage for Selected Protocols
- 8.4.37 Control Operation of Computer
- 8.7.37 Ensure Data Asset Visibility
- 8.2.37 Provide Network Force Protection and Security
- 8.1.37 Dynamically Revoke Policy Parameters
- 8.7.38 Provide Visibility of Data Storage Infrastructure
- 8.4.38 Reconfigure Information Transfer System
- 8.2.38 Authenticate Remotely
- 8.1.38 Establish Community of Interest (COI)
- 8.7.39 Aggregate Data
- 8.4.39 Produce Multimedia Reports
- 8.2.39 Gain Access to Sensing Location or Information

## UNCLASSIFIED FOUO

- 8.1.39 Establish Redundancy in the Network
- 8.4.40 Generate Reports
- 8.7.40 Format Data
- 8.2.40 Implement Firewall Protection
- 8.1.40 Initialize and Finalize Service Execution
- 8.4.41 Manage Reports
- 8.7.41 Provide Directory Services
- 8.1.41 Manage Services
- 8.2.41 Provide Audit Services
- 8.7.42 Request Data
- 8.4.42 Generate Computer Aided Designs (CAD)
- 8.2.42 Provide User Single Sign-On
- 8.1.42 Map Network Topology and Parameters
- 8.7.43 Mine Data
- 8.4.43 Generate Preformatted Graphics
- 8.1.43 Negotiate Services Across Networks
- 8.2.43 Identify with Biometrics Identity Services
- 8.7.44 Mediate Data
- 8.1.44 Protect Against Effects of Electromagnetic Pulse (EMP) and Directed Energy Threa
- 8.2.44 Retain Cryptography after Power Loss
- 8.7.45 Apply Data
- 8.1.45 Provide Application Development Services
- 8.2.45 Invoke Zeroization Capability
- 8.7.46 Determine Data Requirements
- 8.1.46 Provide Asymmetric Network Capability
- 8.7.47 Synchronize Data
- 8.7.48 Monitor Data
- 8.1.48 Provide Common Services
- 8.7.49 Submit Information Requirements
- 8.1.49 Provide Cross-Functional Community of Interest Support Services
- 8.7.50 Discover Data
- 8.7.51 Characterize Performance
- 8.1.51 Provide Machine-to-Machine Data Access Mechanisms
- 8.7.52 Report Performance Results
- 8.1.52 Provide Mobile User Location History
- 8.7.53 Access Subject Matter Expert & Essential Information
- 8.1.53 Provide Over the Air Software Upgrades
- 8.7.54 Convert Analog Data to Digital Data
- 8.1.54 Select Transmission Path for Ensuring Required Quality of Service (QOS)

## UNCLASSIFIED FOUO

- 8.7.55 Establish Discovery Catalogs
- 8.1.55 Provide Subscription Services
- 8.7.56 Maintain Address Book
- 8.1.56 Translate Name to Address
- 8.7.57 Maintain Distributed Archives
- 8.1.57 Authorize Network Resource Request
- 8.7.58 Manage COI Catalogs
- 8.1.58 Manage Trouble Tickets
- 8.7.59 Manage Encyclopedic Database
- 8.1.59 Provide Discovery Services
- 8.7.60 Manage Enterprise Storage Resources
- 8.1.60 Provide Distributed Domain Name Services
- 8.7.61 Manage Maintenance Services Database
- 8.1.61 Provide License Management Services
- 8.7.62 Monitor System/Resource Allocation
- 8.1.62 Provide Namespace Services
- 8.7.63 Search within Context
- 8.1.63 Provide Online Disk Management Services
- 8.7.64 Integrate Data
- 8.1.64 Provide Online Help Services
- 8.7.65 Perform Text Searches
- 8.1.65 Provide Remote Print Spooling and Output Distribution Services
- 8.7.66 Post Metadata to a Discovery Catalog
- 8.1.66 Provide Shared Conference Window User Screens
- 8.7.67 Post Metadata to a Federated Directory
- 8.1.67 Manage Message Traffic
- 8.7.68 Post Metadata to Metadata Registries
- 8.1.68 Provide Workgroup or Groupware Capability
- 8.7.69 Query Unit and Infrastructure Strength and Limitations
- 8.1.69 Provide Web Applications
- 8.7.70 Re-Map Information
- 8.1.70 Assess Peer Computing Program (PCP) Resources
- 8.7.71 Store Semantic Information on Data
- 8.1.71 Manage Mediation Services
- 8.7.72 Subscribe to Data
- 8.1.72 Provide Configuration Management Services
- 8.7.74 Update Subscription Database
- 8.7.75 Manage Core Services Repository
- 8.7.76 Provide Data Mediation

## UNCLASSIFIED FOUO

- 8.7.77 Access Distributed Files
- 8.7.78 Provide Character Sets and Data Representation Services
- 8.7.79 Recover Data
- 8.7.80 Store Cultural Convention Services
- 8.7.81 Store Data
- 8.7.82 Retain Data
- 8.7.83 Manage and Manipulate File and File Systems
- 8.7.84 Perform Multilevel Security Data Filtering
- 8.7.85 Perform Distributed Data Services
- 8.7.86 Analyze and Organize Data
- 8.7.87 Validate Request for Information
- 8.7.89 Provide Discovery Metadata for Situational Awareness
- 8.7.90 Record Frequency Assignment Request
- 8.7.91 Acquire Data
- 8.7.92 Provide Relevant Information
- 8.7.93 Distribute Service Master Records
- 8.7.94 Store Applications
- 8.7.95 Search Unstructured Data
- 8.7.96 Review Information Search Results
- 8.7.97 Report Query Results
- 8.7.98 Perform Data Check
- 8.7.99 Produce Information Mapping and Taxonomy
- 8.7.100 Provide Information Delivery Vehicle
- 9.2 System Test - Group
- 9.3 System Protection -Group
- 9 SYSTEM TEST, MAINTENANCE, AND PROTECTION - Level 1
- 9.3.1 Detect Degradation of Power and Place System in Secure State
- 9.2.1 Perform Built-In Test (BIT)
- 9.3.2 Control Battle Short Operations
- 9.1.2 Track Maintenance Trouble Reports
- 9.2.2 Perform Power Restoration and Diagnostics after Interruption
- 9.2.3 Perform Automated System Diagnostics and Reconfiguration
- 9.3.3 Protect Against Effect of Electromagnetic Pulse (EMP) and Directed Energy Threat
- 9.2.4 Perform Network Fault Isolation and Reconfiguration
- 9.3.4 Provide Voltage Surge Protection
- 9.2.5 Monitor Faults
- 9.2.6 Isolate Equipment Fault
- 9.2.7 Restore Network Power
- 9.1.22 Predict Equipment Faults

## UNCLASSIFIED FOUO

- 10.1 Supply Chain Management - Group
- 10.2 Transportation - Group
- 10 LOGISTICS - Level 1
- 10.2.1 Schedule Distribution and Transportation
- 10.1.1 Dispatch Aircraft Fuel
- 10.1.2 Manage Fuel Distribution System Automatically
- 10.2.2 Manage Travel Allowances
- 10.1.3 Identify Catalog Item by Serial Numbers
- 10.2.3 Perform Travel Planning and Administration
- 10.1.4 Process Issue of Goods
- 10.2.4 Issue Travel Orders
- 10.2.5 Manage Travel Records
- 10.1.5 Track Inventory
- 10.1.6 Register Receipt of Goods
- 10.1.7 Manage Receipt and Acceptance of Goods Transactions
- 10.1.8 Create/Change Orders and Deliveries
- 10.1.9 Perform Lifecycle Asset Accountability
- 10.1.10 Optimize Service Delivery Process
- 10.1.11 Update, Store, Display Special Order Requests (SOR)
- 10.1.12 Analyze Theater Commercial Supply Availability
- 10.1.13 Forecast Future Consumption Requirements
- 10.1.14 Track Fuel Inventory
- 10.1.15 Manage Inventory
- 10.1.16 Manage Receivables
- 10.1.17 Process Subsequent Delivery
- 10.1.18 Predict Asset Re-supply Requirements
- 10.1.19 Transfer and Allocate Assets
- 10.1.20 Manage Catalog Item Availability
- 10.1.21 Track Order Status
- 10.1.22 Provide Routing and Scheduling
- 10.1.23 Process Warfighter Supply Needs Entry
- 10.1.24 Automatically Detect Supply Needs
- 10.1.25 Conduct External Resupply Request
- 10.1.26 Manage Disposal Activities
- 10.1.28 Catalog and Identify System Parts
- 10.1.29 Manage and Track Fuel Distribution
- 11 MEDICAL - Level 1
- 11.1 Accommodate Medical Patients - Group
- 11.3 Medical Planning and Execution - Group

## UNCLASSIFIED FOUO

- 11.2 Manage Medical Information - Group
  - 11.3.1 Analyze and Identify Preventative Medical Plans Addressing Ranked Concerns
    - 11.1.1 Modify Medical Plan
    - 11.3.2 Identify Means of Medical Evacuation
    - 11.3.3 Assess Medical Readiness Simulation
    - 11.3.4 Monitor Unit Medical Status for CBRNE Effect
    - 11.3.5 Predict Force Health Protection Supportability
  - 11.2.5 Interface with Defense Medical Logistics Support System (DMLSS)
  - 11.3.6 Analyze Medical Threat and Risk
    - 11.2.6 Detect Casualty
    - 11.3.7 Identify Medical Asset Status
  - 11.2.7 Provide Global Patient Status Visibility
  - 11.2.8 Maintain Medical Records
    - 11.3.8 Identify Medical Asset Capabilities
  - 11.3.10 Conduct Medical Planning
  - 11.2.11 Maintain Dental Records
    - 11.2.12 Access Medical Records
- 12 PERSONNEL SUPPORT - Level 1
  - 12.1.1 Enter and Update Personnel Security Data
  - 12.1.2 Process Individual Personnel Queries
  - 12.1.3 Manage Personnel Development Data
  - 12.1.4 Maintain Workforce Directory
  - 12.1.5 Maintain Personnel Skills Inventory Database
  - 12.1.6 Generate Human Resources Reports
  - 12.1.7 Generate and Maintain Personnel Qualification and Requirements Catalog
  - 12.1.8 Create Employee Profiles
  - 12.1.9 Provide Operational Personnel Status
  - 12.1.10 Aggregate Personnel Data
  - 12.1.11 Track Time and Attendance
  - 12.1.12 Perform Personnel Management
  - 12.1.13 Maintain Job Profiles
  - 12.1.14 Produce and Format Resumes
  - 12.1.15 Maintain Resumes
  - 12.1.16 Maintain Law Enforcement Records
  - 12.1.17 Maintain Personnel Legal Records
  - 12.1.18 Analyze and Optimize Workforce Acquisition
- 13.1 Operational and Exercise Training - Group
- 13 TRAINING- Level 1
  - 13.2 System Training Operations - Group

## UNCLASSIFIED FOUO

- 13.3 Administrative Management of Training - Group
  - 13.1.1 Generate Training Reports
  - 13.3.1 Track Training Equipment
  - 13.2.1 Tag Training Tracks
  - 13.2.2 Assess Training Engagement
  - 13.3.2 Generate and Manage Curriculum Content
  - 13.1.2 Perform Training Exercise
  - 13.2.3 Update Training Situational Awareness
  - 13.1.3 Evaluate Course Effectiveness
  - 13.3.3 Schedule Training Courses
  - 13.2.4 Manually Alter Training Events
  - 13.3.4 Schedule Training Resources
  - 13.1.4 Manage Unit Training
  - 13.3.5 Generate Student Schedules
  - 13.2.5 Perform Embedded Training
  - 13.1.5 Create Exercise Plan
  - 13.1.6 Evaluate Training
  - 13.2.6 Commence Embedded Training
  - 13.3.6 Maintain Course Enrollment Data
  - 13.2.7 Terminate Embedded Training
  - 13.3.7 Allocate Training Resources
  - 13.2.8 Pause Embedded Training
  - 13.3.8 Maintain Attendance and Completion Records
  - 13.2.9 Return to Training
  - 13.3.9 Control On-line Registration and Quota Management
  - 13.3.10 Monitor and Track Curriculum Accreditation Requirements
  - 13.2.10 Perform System Training Stimulation
  - 13.3.11 Register Curriculum
  - 13.2.11 Perform System Training Simulation
  - 13.3.12 Manage Resources
  - 13.2.12 Perform Training Event Playback and Analysis
  - 13.2.13 Set System Safeties for Training
  - 13.3.13 Integrate Course and Syllabus
  - 13.2.14 Conduct Individual Computer Generated Instruction
  - 13.3.14 Maintain Training Records
  - 13.3.15 Determine Curriculum Requirements
  - 13.2.15 Conduct Training Control
  - 13.3.16 Track Student Certifications and Qualifications
  - 13.3.17 Maintain Student Information

## UNCLASSIFIED FOUO

- 13.3.18 Maintain Faculty Information
- 13.3.19 Track Student Progress
- 13.3.20 Screen Students
- 13.3.21 Maintain Instructor Qualifications
- 13.3.22 Determine Resource Requirements
- 13.3.23 Develop Long Range Training Planning Calendar
- 13.3.24 Develop Quarterly Training Guidance Plan
- 13.3.25 Develop Short Range Planning Calendar
- 13.3.26 Develop Unit Training Schedule
- 14.1 Intelligence Data Processing - Group
- 14 INTELLIGENCE - Level 1
- 14.1.1 Collect and Process SIGINT
- 14.1.2 Collect and Process IMINT Data
- 14.1.3 Collect and Process MASINT Data
- 14.1.4 Receive and Process HUMINT Data
- 14.1.5 Collect and Process Video Sensor Data
- 14.1.6 Process Intelligence Data
- 14.1.7 Manage Images
- 14.1.8 Rectify Image
- 14.1.9 Convert Image Format
- 14.1.10 Parse HUMINT Report
- 14.1.11 Disseminate Intelligence Products
- 14.1.12 Fuse Single-Source Intelligence Data
- 14.1.13 Fuse Multi-Source Intelligence Data
- 14.1.14 Manage HUMINT Dossier
- 14.1.15 Manage HUMINT Sources
- 14.1.16 Disseminate High Priority Tactical SIGINT Report
- 14.1.17 Evaluate Collection Results
- 14.1.18 Evaluate Intelligence Collection, Products, Reporting
- 14.1.19 Identify, Prioritize and Validate Intelligence Requirements
- 14.1.20 Generate Intelligence Product Update Requests
- 14.1.21 Extract Automated Feature
- 14.1.22 Correlate Image
- 14.1.23 Perform Imagery Coordinate Mensuration
- 14.1.24 Provide Graphical IPOE (Intelligence Preparation of the Operational Environment)
- 14.1.25 Provide Data Assets from IPOE Products
- 14.1.26 Conduct Joint Intelligence Preparation of the Operational Environment
- 14.1.27 Provide Defense Intelligence Services
- 14.1.28 Disseminate Tactical SIGINT Report

## UNCLASSIFIED FOUO

**NITES II**

- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 4.3 Analyze Operational Environment - Group
  - 4.2.1 Assess Environment
    - 4.3.1 Monitor Operational Situation
    - 4.2.2 Perform Natural Environmental & Topographical Analysis
    - 4.1.2 Analyze Atmospheric and Weather Impacts
    - 4.1.3 Determine Electromagnetic Interference (EMI) Impact
    - 4.3.3 Analyze Operational Situation
    - 4.2.3 Analyze Meteorological Conditions
    - 4.2.4 Assess Meteorological and Oceanographic (METOC) Conditions
    - 4.3.7 Evaluate Operational Environment
  - 4.8.10 Assess Warfighting Resources
  - 4.6.18 Predict Sensor Performance and Calculate Sensor Coverage
  - 4.6.38 Predict Oceanographic Dispersion
- 5.1.1 Generate New or Revised Plan
  - 5.1.1.1 Create Sensor Plans

**NPES**

- 1.1.1 Receive and Process Signals
- 1.3.1 Detect Signals and Images
- 1.3.2 Detect Indications and Warnings
- 1.4.7 Generate National ISR Sensor Tasking
- 1.4.9 Generate Theater and External ISR Sensor Tasking
- 1.4.16 Determine Availability of Joint Force ISR Capabilities
- 1.4.26 Manage JISR Resources
- 1.4.31 Process Intelligence Surveillance and Reconnaissance (ISR) Support Requests
- 2.2.6 Execute Recognition
- 2.1.6 Track Blue Forces
- 2.2.13 Identify Civilian Air Tracks
- 2.1.13 Register Data
- 2.2.14 Identify Civilian Maritime Surface Tracks
- 2.1.28 Monitor Track Safe Return or Passage
- 2.1.29 Update Target, Intelligence, and System Profiles
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group
  - 3.2.1 Generate Common Operational Picture
- 3.5.1 Monitor Embedded Mission Readiness
- 3.2.2 Generate Common Tactical Picture
- 3.3.2 Identify Occurrence of ISR Event
- 3.5.2 Update Resource Information

## UNCLASSIFIED FOUO

- 3.2.3 Generate Battle Damage Scene
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.2.5 Identify Return to Force (RTF) Profiles
- 3.3.5 Generate Alert
- 3.5.5 Report Unit and Platform Status
- 3.5.6 Access Joint Asset Information
- 3.2.8 Present the Identification of Friendly, Enemy, and Neutral Forces
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.5.9 Monitor Force Status
- 3.2.9 Configure, Edit, and Display No-Fly Zones
- 3.3.9 Warn of Weapons of Mass Destruction (WMD)
- 3.4.10 Integrate Information on Potential Adversary COA
- 3.3.10 Generate Indication and Warning (I and W) Reports
- 3.4.11 Translate and Distribute Commanders Intent
- 3.5.12 Retrieve and Maintain Rules of Engagement (ROE)
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.4.13 Manage Airspace Control Measures
- 3.5.13 Monitor Information Operations (IO)
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.2.15 Depict Named Areas of Interest (NAIs) on Event Template
- 3.2.17 Generate Unit and Platform Availability
- 3.4.19 Share Information
- 3.2.25 Present War Reserve Material Readiness
- 3.2.26 Track Engagement Status
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.8.1 Assess Mission Effectiveness
- 4.5.1 Measure Mission Performance
- 4.3.1 Monitor Operational Situation
- 4.8.2 Analyze Mission
- 4.3.2 Identify Threat Courses of Action (COA)
- 4.5.3 Estimate Extent of Collateral Damage
- 4.3.3 Analyze Operational Situation
- 4.6.3 Predict Situation Effects
- 4.8.4 Evaluate and Assess Engagement Effectiveness
- 4.6.4 Identify Status of Forces
- 4.7.5 Select & Prioritize Target
- 4.6.5 Prepare Deployment Estimates
- 4.8.6 Analyze COAs

## UNCLASSIFIED FOUO

- 4.6.7 Determine Enemy Courses of Action (COA)
- 4.8.8 Assess Force Readiness
- 4.6.8 Determine Force Movement
- 4.3.8 Evaluate Mission
- 4.8.9 Identify Rules of Engagement (ROE) Cues
- 4.8.11 Assess Threats
- 4.6.11 Estimate Extent of Target Damage or Destruction
- 4.3.16 Analyze Effects
- 4.3.17 Assess Battle Damage in Real-Time
- 4.3.18 Assess Effect
- 4.6.19 Specify Collateral Damage Considerations
- 4.3.20 Analyze Effects (value)
- 4.6.20 Select Best Attack Asset
- 4.3.22 Assess Battle Damage
- 4.3.23 Assess Damage Reports
- 4.3.24 Assess Combat Performance
- 4.8.24 Evaluate Feedback
- 4.6.28 Generate CBRN Avoidance Area Prediction
- 5.1.1 Generate New or Revised Plan
- 5.2.1 Retrieve Higher Level Guidance
- 5.1.2 Enter and Update Commander's Critical Information Requirements (CCIRs)
- 5.5.2 Determine Force Requirements
- 5.1.3 Manage Guidance and Objectives
- 5.5.4 Establish Force Reporting Criteria Responsibilities
- 5.1.5 Generate Ingress and Egress Plans
- 5.5.5 Establish Force Reporting Procedures
- 5.5.6 Generate & Validate CCIR (PIR, FFIR, EEFI)
- 5.1.8 Manage Policies
- 5.1.15 Create Strategic Plans
- 5.1.36 Create Commanders Guidance
- 5.1.37 Update Commanders Guidance
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.51 Conduct Force Planning
- 5.1.52 Create Tactical Plans/ Orders
- 5.1.55 Create CBR Defense Plans
- 5.1.56 Generate Enemy Order of Battle (EOB)
- 6.3.1 Generate Engagement Orders
- 6.3.2 Process Engagement Orders

## UNCLASSIFIED FOUO

- 6.3.3 Execute Engagement
- 6.1.7 Task Combat and Battle Damage Assessment Support Assets
- 6.1.9 Control Mission
- 6.3.12 Cancel Engagement
- 6.2.12 Define Attack Guidance
- 6.2.13 Update Attack Guidance
- 6.1.17 Direct Battle Plan Execution
- 6.2.18 Generate Mission Change Order
- 7.2.3 Transmit Engagement Orders
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.2.5 Receive Mission Update
- 7.1.7 Transfer Data
- 7.2.7 Receive Strategic Mission & Guidance
- 7.2.11 Communicate Force Information
- 7.2.12 Communicate Status
- 7.1.12 Transfer File
- 7.2.13 Communicate Mission Objectives & Support Needs
- 7.2.14 Communicate Engagement Orders
- 7.2.17 Communicate Mission Information
- 7.1.96 Transmit or Receive Information
- 8.10.3 Display Data
- 8.7.4 Analyze Data
- 8.7.5 Translate Data
- 8.1.5 Share Information
- 8.7.6 Update Data
- 8.2.7 Decrypt Data
- 8.7.8 Query Data
- 8.2.8 Encrypt Data
- 8.7.9 Sort Data
- 8.10.10 Provide Graphical User Interface Services
- 8.4.10 Generate Displays
- 8.10.11 Provide Data Entry Interface
- 8.7.22 Disseminate Data
- 8.1.24 Assess Network
- 8.7.36 Post or Publish Data
- 8.4.40 Generate Reports
- 8.4.41 Manage Reports
- 8.7.48 Monitor Data
- 8.7.81 Store Data

## UNCLASSIFIED FOUO

- 8.7.86 Analyze and Organize Data
- 8.7.92 Provide Relevant Information
- 14.1.1 Collect and Process SIGINT
- 14.1.2 Collect and Process IMINT Data
- 14.1.6 Process Intelligence Data
- 14.1.18 Evaluate Intelligence Collection, Products, Reporting

**NTCSS**

- 3.2.17 Generate Unit and Platform Availability
- 4.8.4 Evaluate and Assess Engagement Effectiveness
- 4.8.10 Assess Warfighting Resources
- 4.6.20 Select Best Attack Asset
- 7.1.12 Transfer File
- 7.2.32 Provide Specialized Data Interchange Services
- 8.8 Perform User Management Services - Group
- 8.7 Manage Data - Group
- 8.8.6 Maintain and Create User Profile
- 8.7.7 Maintain Data Integrity
- 8.1.9 Provide Network Applications Services
- 8.7.14 Delete Data
- 8.7.18 Archive Data
- 8.1.19 Conduct Information Management
- 8.2.20 Authorize Data Access
- 8.7.21 Correlate Data
- 8.7.29 Manage Data Storage
- 8.7.32 Manage Metadata
- 8.7.34 Verify Data
- 8.4.37 Control Operation of Computer
- 8.7.38 Provide Visibility of Data Storage Infrastructure
- 8.7.41 Provide Directory Services
- 8.7.43 Mine Data
- 8.7.49 Submit Information Requirements
- 8.7.60 Manage Enterprise Storage Resources
- 8.7.64 Integrate Data
- 8.7.100 Provide Information Delivery Vehicle

**PSS-SOF**

- 1.4.22 Calculate Sensor Error or Uncertainty
- 2.1.27 Extract Feature
- 3.2.6 Generate Target Coordinates
- 4.7.11 Determine Target Offset and Location

## UNCLASSIFIED FOUO

- 6.3.3 Execute Engagement
- 6.3.7 Guide Weapons
- 6.3.14 Locate Target
- 6.3.19 Illuminate Target
- 7.2.8 Transmit Tasking and Target Data to BDA Assets
- 7.2.9 Transmit Tasking and Target Data to Targeting Assets
- 8.4.21 Process Imagery
- 14.1.7 Manage Images
- 14.1.21 Extract Automated Feature
- 14.1.23 Perform Imagery Coordinate Mensuration

**SACCS**

- 3.5.9 Monitor Force Status
- 5.1.1 Generate New or Revised Plan
- 5.4.10 Generate Air Tasking Order Message
- 5.1.15 Create Strategic Plans
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.51 Conduct Force Planning
- 7.1.2 Provide Secure Communications
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.2.11 Communicate Force Information
- 7.1.19 Select Message
- 7.1.20 Prioritize Message
- 7.1.21 Provide Message Status
- 7.1.23 Notify User of Message Arrival
- 7.2.24 Forward Message
- 7.1.37 Communications Net Message Translation
- 7.1.55 Manage Messaging Services
- 7.1.65 Ensure Non-Repudiation
- 8.4.1 Create and Edit Messages
- 8.7.2 Manage General Information
- 8.10.3 Display Data
- 8.2.5 Provide Confidentiality Services
- 8.2.9 Maintain Secure Data Transmission
- 8.1.19 Conduct Information Management
- 8.5.32 Reroute Messages
- 8.1.67 Manage Message Traffic
- 14.1.26 Conduct Joint Intelligence Preparation of the Operational Environment

**SAGE**

- 1.1.2 Classify Signals

## UNCLASSIFIED FOUO

- 1.1.5 Estimate Multiple Objects
- 1.2.6 Search with Space Sensor
- 1.5.11 Translate Time Data
- 1.3.16 Detect Booby Traps
- 2.1.2 Develop Association Hypothesis
- 2.2.2 Determine Combat Identity
- 2.2.3 Determine Identification Based on Reference Data
- 2.1.3 Manage Air Tracks
- 2.2.4 Determine Track Activity and Status
- 2.1.5 Exploit Moving Target Indicator Information
- 2.2.5 Estimate Object Classification
- 2.2.6 Execute Recognition
- 2.2.7 Declare Identification Level of Confidence
- 2.2.8 Determine Composite ID
- 2.1.8 Fuse Track Measurements
- 2.1.9 Correlate Tracks
- 2.2.9 Determine Comprehensive Track ID
- 2.1.10 Associate Tracks
- 2.2.10 Determine Discrete ID
- 2.2.11 Identify Fused Data Track
- 2.1.11 Filter Track Report
- 2.2.12 Determine Identification Based on Associations
- 2.1.12 Coordinate Remote Track Reporting
- 2.2.13 Identify Civilian Air Tracks
- 2.1.13 Register Data
- 2.1.14 Align Tracks Geodetically
- 2.1.15 Align Tracks Relatively
- 2.2.16 Determine Organization Identification
- 2.1.16 Align Tracks through Inter-link Reference Frames
- 2.2.17 Resolve Identification Conflicts
- 2.2.18 Determine Blue Force Tracking Identification
- 2.2.19 Associate Blue Forces in Proximity to Target
- 2.1.20 Associate Multi-Sensor Data
- 2.1.23 Assign Track Category
- 2.1.24 Calculate Geolocation
- 2.1.25 Estimate Track Count
- 2.1.27 Extract Feature
- 2.1.30 Evaluate Track Data Fusion
- 3.2 Generate and Manage Common Situational Awareness (CSA) Picture - Group

## UNCLASSIFIED FOUO

- 3.3 Provide Indications, Warnings, and Alerts - Group
- 3.2.1 Generate Common Operational Picture
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.2.3 Generate Battle Damage Scene
- 3.4.7 Aggregate Objects
- 3.2.7 Identify Weapons Free Zones
- 3.3.7 Integrate Alert Sequencing Doctrine
- 3.4.8 Manage Prioritization of Defended Asset Information Sets
- 3.3.9 Warn of Weapons of Mass Destruction (WMD)
- 3.2.10 Configure, Edit, and Display Restricted Navigation Zones
- 3.3.10 Generate Indication and Warning (I and W) Reports
- 3.2.17 Generate Unit and Platform Availability
- 3.2.19 Display Electronic Spectrum Allocation for Area of Concern
- 3.2.26 Track Engagement Status
- 3.2.27 Provide Geospatial Coordinates
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 3.2.33 Monitor In-Flight Reporting
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 4.7 Analyze Targets - Group
- 4.1.1 Analyze Terrain
- 4.7.8 Retain or Remove Target on or from Target List
- 8.4.20 Provide Streaming Video
- 13.2 System Training Operations - Group

**SBMCS**

- 2.2.6 Execute Recognition
- 2.1.6 Track Blue Forces
- 2.1.19 Align Multi-Sensor Data
- 2.1.20 Associate Multi-Sensor Data
- 2.1.22 Assign Correlation and Association Track Attributes
- 2.1.23 Assign Track Category
- 2.1.26 Maintain Track History
- 3.2.4 Update COP Display
- 3.5.6 Access Joint Asset Information
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.5.10 Present Mission Resources Information
- 3.2.12 Maintain and Display Force Disposition Displays
- 3.4.13 Manage Airspace Control Measures
- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.2.16 Provide OPLAN Visibility

## UNCLASSIFIED FOUO

- 4.6.4 Identify Status of Forces
- 4.8.21 Assess Air Battle Impact
- 4.8.22 Assess Space Battle Impact
- 5.1.5 Generate Ingress and Egress Plans
- 5.1.6 Generate Coordinated Flight and Terminal Seeker Operation Plan
- 5.4.8 Generate Space Tasking Order Message
- 5.1.10 Generate Input to Missions Plans
- 5.4.10 Generate Air Tasking Order Message
- 5.1.12 Create Attack Plans
- 5.1.14 Create Maneuver Plans
- 5.1.19 Create Space Battle Plans
- 5.1.27 Create Air Battle Plans
- 5.1.28 Create Flight Plans
- 5.1.31 Create Updated Flight Plans
- 5.1.37 Update Commanders Guidance
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.54 Create Air Attack Plans
- 5.1.62 Deconflict the Airspace
- 5.1.64 Create Flight Schedules
- 6.3.1 Generate Engagement Orders
- 6.3.3 Execute Engagement
- 6.1.5 Execute Tactical Fires and Maneuver Plan
- 6.1.6 Direct Unit Maneuvers
- 6.2.13 Update Attack Guidance
- 6.2.23 Create Movement Orders
- 6.2.30 Resolve Battlespace Conflicts
- 7.2.6 Transmit Coverage Plan
- 7.1.7 Transfer Data
- 7.1.12 Transfer File
- 7.1.96 Transmit or Receive Information
- 8.10.3 Display Data
- 8.7.6 Update Data
- 8.10.10 Provide Graphical User Interface Services
- 8.10.16 Present User Defined Situational Awareness Information

**Space C2**

- 1.4.5 Manage Sensors
- 1.4.6 Coordinate Sensor Employment with Operational Plans and Employment
- 1.4.10 Generate Sensor Coverage

## UNCLASSIFIED FOUO

- 1.4.11 Maintain Sensor Configurations
- 1.4.13 Generate Sensor Tasking
- 2.2.8 Determine Composite ID
- 3.3 Provide Indications, Warnings, and Alerts - Group
- 3.5 Monitor Mission Readiness - Group
- 3.2.1 Generate Common Operational Picture
- 3.5.1 Monitor Embedded Mission Readiness
- 3.3.1 Provide Real-Time Threat Warning
- 3.5.2 Update Resource Information
- 3.3.2 Identify Occurrence of ISR Event
- 3.5.3 Analyze Transportation Asset Visibility
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.3.5 Generate Alert
- 3.5.6 Access Joint Asset Information
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.5.9 Monitor Force Status
- 3.4.9 Aggregate and Present Blue Force Tracks
- 3.4.11 Translate and Distribute Commanders Intent
- 3.5.12 Retrieve and Maintain Rules of Engagement (ROE)
- 3.5.14 Confirm Asset or Sensor Availability
- 3.4.16 Record Events for Post Operations Analysis
- 3.2.16 Provide OPLAN Visibility
- 3.2.18 Display Geospatial Information Overlay
- 3.4.19 Share Information
- 3.2.20 Display Resource Movement
- 3.2.26 Track Engagement Status
- 3.2.28 Develop Shared Understanding of Regional and Local Factors
- 4.6 Perform Predictive Analysis - Group
- 4.7 Analyze Targets - Group
- 4 MISSION ANALYSIS - Level 1
- 4.8 Perform Mission Assessment - Group
- 4.6.1 Determine Engageability
- 4.8.1 Assess Mission Effectiveness
- 4.7.1 Analyze Target Areas
- 4.7.2 Manage Target List
- 4.8.2 Analyze Mission
- 4.7.3 Review Restricted Target List
- 4.2.3 Analyze Meteorological Conditions

## UNCLASSIFIED FOUO

- 4.8.5 Determine Weapon Availability
- 4.6.5 Prepare Deployment Estimates
- 4.7.5 Select & Prioritize Target
- 4.7.6 Predict Target Future Movements
- 4.6.6 Analyze Blue Force Vulnerability
- 4.8.6 Analyze COAs
- 4.8.7 Analyze Potential Air or Space Conflicts
- 4.3.7 Evaluate Operational Environment
- 4.8.8 Assess Force Readiness
- 4.7.8 Retain or Remove Target on or from Target List
- 4.3.8 Evaluate Mission
- 4.7.10 Identify Time Sensitive Targets
- 4.8.10 Assess Warfighting Resources
- 4.8.11 Assess Threats
- 4.6.15 Determine Best Positioning for Access to the Adversary
- 4.3.16 Analyze Effects
- 4.8.17 Correlate Events
- 4.8.18 Assess Achievement of Planned Effects
- 4.6.18 Predict Sensor Performance and Calculate Sensor Coverage
- 4.8.20 Analyze Resource Tasking and Control
- 4.8.22 Assess Space Battle Impact
- 4.6.23 Analyze Vulnerability
- 4.6.24 Evaluate Potential Targets
- 4.8.25 Exploit Intelligence
- 4.8.26 Assess from Multiple Perspectives
- 4.6.27 Determine Time to Complete the Mission
- 4.6.30 Create Dynamically Predictive Plans
- 4.6.31 Predict Joint Asset Shortfall
- 4.6.39 Project Tracks Future Position
- 4.6.40 Generate Attack Window
- 5 MISSION PLANNING - Level 1
- 5.1 Create and Revise Plans - Group
- 5.5 Identify Planning Requirement Factors - Group
- 5.4 Assign and Delegate Mission Requirement - Group
- 5.3 Rehearse Mission - Group
- 5.2 Review Plans - Group
- 5.1.1 Generate New or Revised Plan
- 5.3.1 Conduct Mission Rehearsal
- 5.2.1 Retrieve Higher Level Guidance

## UNCLASSIFIED FOUO

- 5.5.2 Determine Force Requirements
- 5.1.3 Manage Guidance and Objectives
- 5.3.3 Generate Logistics Scenarios
- 5.4.3 Map Force Composition to Requirements
- 5.1.4 Create Network Plans
- 5.3.4 Simulate COAs
- 5.3.5 Provide Exercise Functions
- 5.4.6 Allocate Platform to Mission
- 5.4.7 Coordinate Plans and Tasking with Other Components
- 5.1.8 Manage Policies
- 5.4.8 Generate Space Tasking Order Message
- 5.1.9 Interpret Supplemental Rules of Engagement (SROE) and Rules of Engagement
- 5.4.9 Assign Assets/Resources
- 5.1.10 Generate Input to Missions Plans
- 5.1.11 Create Sensor Plans
- 5.1.14 Create Maneuver Plans
- 5.1.16 Develop Deconfliction Plan
- 5.1.17 Create Collection Plans
- 5.1.19 Create Space Battle Plans
- 5.1.22 Create Target & Threat Plans
- 5.1.36 Create Commanders Guidance
- 5.1.37 Update Commanders Guidance
- 5.1.38 Create Staff Estimate
- 5.1.39 Update Staff Estimate
- 5.1.44 Update Mission Fragmentary Order (FRAGO)
- 5.1.45 Develop Mission OPLAN/OPORD/FRAGO/WARNO
- 5.1.47 Develop Initial Alternative Courses of Action
- 5.1.48 Generate OPORD, OPTASK, and OPLAN Inputs
- 5.1.50 Draft Warning Order
- 5.1.51 Conduct Force Planning
- 5.1.52 Create Tactical Plans/ Orders
- 5.1.53 Create Information Operations (IO) Plan
- 5.1.65 Develop and Promulgate Rules of Engagement (ROE)
- 6 MISSION EXECUTION - Level 1
- 6.2 Decision - Group
- 6.1 Manage Platforms and Systems - Group
- 6.2.2 Optimize Configuration
- 6.1.6 Direct Unit Maneuvers
- 6.1.8 Source and Coordinate Preferred COA

## UNCLASSIFIED FOUO

- 6.2.10 Recommend Maneuvers to Avoid Interference
- 6.1.11 Execute Collection Activities
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.1.14 Coordinate and Execute Selected COA
- 6.2.14 Provide Optimized Attack Solutions
- 6.2.15 Recommend Unit Maneuvers
- 6.1.17 Direct Battle Plan Execution
- 6.1.18 Generate Coverage Orders
- 6.1.19 Execute Sensor Collection
- 6.1.20 Position System
- 6.2.20 Determine System Configuration
- 6.2.27 Task or Re-task Targeting Assets
- 6.2.32 Assign System Coverage
- 6.2.35 Evaluate Weapons Intercept Volume
- 7.2 Provide Information Exchange - Group
- 7.2.4 Issue Warnings, Alerts, and Planning Orders
- 7.2.5 Receive Mission Update
- 7.2.6 Transmit Coverage Plan
- 7.2.7 Receive Strategic Mission & Guidance
- 7.2.11 Communicate Force Information
- 7.2.17 Communicate Mission Information
- 7.1.19 Select Message
- 7.2.19 Maintain Routing Information
- 7.2.21 Transmit Sense Data
- 7.2.22 Control Use of Information Transfer System
- 7.2.23 Deliver Mission-Type Orders to Subordinate Echelons
- 7.2.24 Forward Message
- 7.2.27 Exchange Messages Synchronously
- 7.2.30 Transmit Track Data
- 7.1.44 Conduct Video Conferencing
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.55 Manage Messaging Services
- 7.1.56 Provide Shared Audio Visualization Capabilities
- 7.1.93 Communicate Data across Multiple Classification Domains
- 8.11 Fuse Network Data - Group
- 8.12 Enterprise Collaboration Services
- 8.5 Operate/Maintain Network - Group
- 8.1 Provide Human Machine Interface - Group
- 8.9 Enterprise Network Environment Management - Group

## UNCLASSIFIED FOUO

- 8.7 Manage Data - Group
- 8.4 IT Computing Services - Group
- 8.1 Network Services - Group
- 8 ENTERPRISE IT/NETWORK INFRASTRUCTURE - Level 1
- 8.2 Provide Information Assurance - Group
- 8.9.1 Determine Policy Conflicts
- 8.11.1 Fuse Data
- 8.12.1 Manage Collaboration Activities
- 8.8.1 Customize User Management
- 8.5.1 Operate Network
- 8.7.1 Manage Data Infrastructure
- 8.10.1 Integrate Human Machine Interface
- 8.4.1 Create and Edit Messages
- 8.1.1 Provide Network Services
- 8.2.1 Perform Network Information Assurance
- 8.8.2 Authorize User Roles and Services
- 8.7.2 Manage General Information
- 8.5.2 Transmit Data on Established Path
- 8.9.2 Provide Environment Control Policy Enforcement Decisions
- 8.12.2 Initiate Collaboration
- 8.2.2 Detect Security Events
- 8.8.3 Manage Accounts
- 8.12.3 Perform Collaboration
- 8.5.3 Identify Transmission Paths
- 8.10.3 Display Data
- 8.9.3 Provide Environment Control Policy Enforcement Services
- 8.3.3 Establish and Maintain Connectivity
- 8.2.3 Regulate Information Dissemination
- 8.9.4 Initiate a New System Tasking for Information
- 8.12.4 Allocate and Manage Collaboration Communications
- 8.4.4 Perform Desktop Publishing
- 8.9.5 Integrate Enterprise Applications
- 8.8.5 Assign Roles and Privileges
- 8.12.5 Terminate Collaboration
- 8.10.5 Provide Feedback on User Input and Actions
- 8.1.5 Share Information
- 8.9.6 Interact with Enterprise Information Environment
- 8.8.6 Maintain and Create User Profile
- 8.12.6 Conduct Decision Process Collaboration

## UNCLASSIFIED FOUO

- 8.5.6 Coordinate Network Resource Availability
- 8.1.6 Support Communication
- 8.4.6 Support Web Browsing
- 8.2.6 Provide Entity Authentication Services
- 8.7.6 Update Data
- 8.9.7 Manage Enterprise Information Assets
- 8.6.7 Determine System Availability
- 8.12.7 Manage Collaboration Resources
- 8.5.7 Control Normal Operations
- 8.4.7 Spell and Grammar Check Documents
- 8.7.7 Maintain Data Integrity
- 8.12.8 Determine Collaboration Resource Availability
- 8.5.8 Maintain Required Quality of Service
- 8.7.8 Query Data
- 8.7.9 Sort Data
- 8.12.9 Provide Common Workspace
- 8.9.9 Publish Request for Services
- 8.1.9 Provide Network Applications Services
- 8.3.9 Load Applications
- 8.2.9 Maintain Secure Data Transmission
- 8.7.10 Filter Information
- 8.10.10 Provide Graphical User Interface Services
- 8.6.10 Maintain NetOps Configuration Monitoring
- 8.2.10 Monitor Network Security
- 8.4.10 Generate Displays
- 8.1.10 Receive Request for Information
- 8.7.11 Formulate Discovery Search
- 8.10.11 Provide Data Entry Interface
- 8.8.11 Manage COI Subscriptions
- 8.2.11 Provide Identity Management Services
- 8.4.11 Manage Discovery Services
- 8.1.11 Provide Message Services
- 8.8.12 Log Operator Activity
- 8.8.13 Control System States and Modes
- 8.1.13 Maintain Network and Communication Status
- 8.4.13 Perform Calculation
- 8.7.14 Delete Data
- 8.8.14 Register in Community of Interest (COI) Directory
- 8.1.14 Provide Network Access

## UNCLASSIFIED FOUO

- 8.2.14 Provide Tamper Detection Capability
- 8.4.14 Process Information Distributively
- 8.8.15 Request Access to Enterprise Information Environment
- 8.6.15 Restore Capabilities
- 8.1.15 Provided Shared Production Capabilities
- 8.10.16 Present User Defined Situational Awareness Information
- 8.4.16 Produce and Manage Media
- 8.1.16 Manage Network Performance
- 8.1.17 Perform Data Services
- 8.2.17 Maintain Network Classification
- 8.7.18 Archive Data
- 8.7.19 Categorize Data
- 8.4.19 Provide and Manage Graphics
- 8.2.19 Validate User Credentials
- 8.1.19 Conduct Information Management
- 8.7.20 Characterize Objects
- 8.1.20 Manage Network Functions
- 8.2.20 Authorize Data Access
- 8.7.21 Correlate Data
- 8.1.21 Manage Systems
- 8.2.21 Respond to Security Events
- 8.6.22 Allocate Resources
- 8.7.22 Disseminate Data
- 8.4.22 View Documents
- 8.1.22 Provide Networked Services and Applications
- 8.2.22 Access Information at Multiple Levels of Security
- 8.7.23 Disseminate Time Data
- 8.1.23 Synchronize Network Timing
- 8.7.24 Manage Information Delivery
- 8.1.24 Assess Network
- 8.4.24 Execute Operating System Functions
- 8.2.24 Authenticate Data
- 8.7.25 Register Data
- 8.2.25 Authorize Information Import/Export
- 8.4.25 Generate Data Analysis Menu Screens
- 8.7.26 Replicate Data
- 8.4.26 Perform Batch Processing Services
- 8.2.26 Configure Communications and Security Devices
- 8.1.26 Perform System and Network Analysis

## UNCLASSIFIED FOUO

- 8.7.27 Retrieve Data
- 8.2.27 Handle Multiple Security Levels
- 8.1.27 Terminate Network Connection
- 8.7.28 Provide Database Utilities
- 8.1.28 Find Services
- 8.2.28 Identify Firewall Rule Set Penetration Events
- 8.4.28 Provide Dialogue Support Services
- 8.5.29 Perform Anomaly Response
- 8.7.29 Manage Data Storage
- 8.4.29 Provide Display Object Services
- 8.5.30 Provide Network Management Hardware/Software Mechanisms
- 8.7.30 Populate Data Repositories
- 8.2.30 Identify Intrusion Detection System (IDS) Events
- 8.2.31 Manage Threats to Network
- 8.4.31 Provide Graphical Client – Server Services
- 8.2.32 Mitigate Opportunity to Attack
- 8.5.32 Reroute Messages
- 8.4.33 Provide Printing Services
- 8.7.34 Verify Data
- 8.4.35 Window Management Services
- 8.4.36 Provide Office Automation Services
- 8.7.36 Post or Publish Data
- 8.7.37 Ensure Data Asset Visibility
- 8.4.37 Control Operation of Computer
- 8.2.37 Provide Network Force Protection and Security
- 8.1.38 Establish Community of Interest (COI)
- 8.4.39 Produce Multimedia Reports
- 8.7.39 Aggregate Data
- 8.2.39 Gain Access to Sensing Location or Information
- 8.1.39 Establish Redundancy in the Network
- 8.4.40 Generate Reports
- 8.7.40 Format Data
- 8.2.40 Implement Firewall Protection
- 8.4.41 Manage Reports
- 8.1.41 Manage Services
- 8.2.41 Provide Audit Services
- 8.7.42 Request Data
- 8.2.42 Provide User Single Sign-On
- 8.7.44 Mediate Data

## UNCLASSIFIED FOUO

- 8.1.45 Provide Application Development Services
- 8.1.46 Provide Asymmetric Network Capability
- 8.7.48 Monitor Data
- 8.1.48 Provide Common Services
- 8.1.49 Provide Cross-Functional Community of Interest Support Services
- 8.7.50 Discover Data
- 8.1.51 Provide Machine-to-Machine Data Access Mechanisms
- 8.7.52 Report Performance Results
- 8.1.55 Provide Subscription Services
- 8.7.56 Maintain Address Book
- 8.1.56 Translate Name to Address
- 8.1.57 Authorize Network Resource Request
- 8.7.58 Manage COI Catalogs
- 8.1.58 Manage Trouble Tickets
- 8.1.59 Provide Discovery Services
- 8.7.60 Manage Enterprise Storage Resources
- 8.1.60 Provide Distributed Domain Name Services
- 8.1.61 Provide License Management Services
- 8.1.62 Provide Namespace Services
- 8.7.63 Search within Context
- 8.1.63 Provide Online Disk Management Services
- 8.1.64 Provide Online Help Services
- 8.7.65 Perform Text Searches
- 8.1.65 Provide Remote Print Spooling and Output Distribution Services
- 8.7.66 Post Metadata to a Discovery Catalog
- 8.7.67 Post Metadata to a Federated Directory
- 8.1.67 Manage Message Traffic
- 8.7.68 Post Metadata to Metadata Registries
- 8.1.68 Provide Workgroup or Groupware Capability
- 8.7.69 Query Unit and Infrastructure Strength and Limitations
- 8.1.69 Provide Web Applications
- 8.7.70 Re-Map Information
- 8.7.71 Store Semantic Information on Data
- 8.1.71 Manage Mediation Services
- 8.7.72 Subscribe to Data
- 8.1.72 Provide Configuration Management Services
- 8.7.76 Provide Data Mediation
- 8.7.79 Recover Data
- 8.7.81 Store Data

## UNCLASSIFIED FOUO

- 8.7.82 Retain Data
- 8.7.83 Manage and Manipulate File and File Systems
- 8.7.84 Perform Multilevel Security Data Filtering
- 8.7.85 Perform Distributed Data Services
- 8.7.86 Analyze and Organize Data
- 8.7.87 Validate Request for Information
- 8.7.91 Acquire Data
- 8.7.92 Provide Relevant Information
- 8.7.94 Store Applications
- 8.7.96 Review Information Search Results
- 8.7.97 Report Query Results
- 8.7.98 Perform Data Check
- 9.2 System Test - Group
- 9.1 System Maintenance - Group
- 9 SYSTEM TEST, MAINTENANCE, AND PROTECTION - Level 1
- 9.2.1 Perform Built-In Test (BIT)
- 9.1.1 Estimate Equipment Reliability
- 9.1.2 Track Maintenance Trouble Reports
- 9.2.3 Perform Automated System Diagnostics and Reconfiguration
- 9.3.4 Provide Voltage Surge Protection
- 9.2.4 Perform Network Fault Isolation and Reconfiguration
- 9.2.5 Monitor Faults
- 9.1.16 Control Graceful Degradation
- 9.1.19 Provide On-Line Fault Isolation
- 9.1.21 Assess Equipment Faults
- 9.1.22 Predict Equipment Faults
- 9.1.23 Perform Diagnostic Testing
- 13 TRAINING- Level 1
- 13.1 Operational and Exercise Training - Group
- 13.2.1 Tag Training Tracks
- 13.1.2 Perform Training Exercise
- 13.2.4 Manually Alter Training Events
- 13.2.5 Perform Embedded Training
- 13.2.6 Commence Embedded Training
- 13.2.7 Terminate Embedded Training
- 13.2.8 Pause Embedded Training
- 13.2.9 Return to Training
- 13.2.10 Perform System Training Stimulation
- 13.2.11 Perform System Training Simulation

## UNCLASSIFIED FOUO

13.2.12 Perform Training Event Playback and Analysis

13.2.15 Conduct Training Control

**TACP-M**

1 SENSE - Level 1

2.2.5 Estimate Object Classification

2.1.6 Track Blue Forces

2.1.17 Assign Track Number

2.1.23 Assign Track Category

2.1.24 Calculate Geolocation

2.1.25 Estimate Track Count

3 GENERATE COMMON SITUATIONAL AWARENESS - Level 1

3.4.3 Receive, Store and Maintain Geospatial Product Information

3.2.6 Generate Target Coordinates

3.5.12 Retrieve and Maintain Rules of Engagement (ROE)

3.4.19 Share Information

4.8.3 Determine Platform-Target Weapon Pairing

4.7.12 Recommend Target for Nomination

4.6.20 Select Best Attack Asset

6.3.6 Provide Dismounted Target Hand-Off and Designation

6.3.12 Cancel Engagement

6.1.15 Prosecute Target

6.2.17 Process Air Support Request

6.2.29 Synchronize Fires

6.2.46 Task or Retask Attack Assets

7.1 Provide Ability to Communicate - Group

7.3 Data Link Services - Group

7 COMMUNICATIONS - Level 1

7.3.1 Control Data Link

7.1.2 Provide Secure Communications

7.1.5 Transfer Data via Packet Switching

7.3.5 Translate and Forward Data

7.3.6 Operate In Receive-Only Mode

7.3.7 Control Data Link Router

7.2.9 Transmit Tasking and Target Data to Targeting Assets

7.3.9 Filter Translation or Forwarding

7.3.17 Forward Data Over-the-Horizon

7.1.19 Select Message

7.1.25 Communicate Beyond Line of Sight Anti Jam Wideband Satellite

7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT

## UNCLASSIFIED FOUO

- 7.1.34 Communicate Beyond Line of sight-Wideband MILSAT
- 7.1.41 Provide Line-of-Sight Communications
- 7.1.54 Provide Beyond Line-of-Sight Communications
- 7.1.87 Communicate via Radio Frequency (RF) Communications
- 7.1.88 Communicate Signals via Line Communications
- 7.1.93 Communicate Data across Multiple Classification Domains
- 7.1.94 Provide Transport Services
- 7.1.96 Transmit or Receive Information
- 8.4.1 Create and Edit Messages
- 8.3.1 Establish Network
- 8.7.2 Manage General Information
- 8.10.3 Display Data
- 8.4.5 Manage Documents
- 8.2.6 Provide Entity Authentication Services
- 8.2.7 Decrypt Data
- 8.4.7 Spell and Grammar Check Documents
- 8.2.8 Encrypt Data
- 8.2.9 Maintain Secure Data Transmission
- 8.2.10 Monitor Network Security
- 8.4.10 Generate Displays
- 8.4.18 Produce PDF Documents
- 8.2.20 Authorize Data Access
- 8.2.21 Respond to Security Events
- 8.1.22 Provide Networked Services and Applications
- 8.2.27 Handle Multiple Security Levels
- 8.2.35 Manage Network Keys
- 8.2.36 Order Network Keys
- 8.1.69 Provide Web Applications
- 13.1.2 Perform Training Exercise

**TAIS**

- 1.1 Signal Receipt & Processing - Group
  - 1.1.1 Receive and Process Signals
  - 1.4.1 Fuse Sensor Data
  - 1.1.2 Classify Signals
  - 1.1.3 Process IFF Signals
  - 1.1.5 Estimate Multiple Objects
  - 1.5.5 Process Navigation Signals
  - 1.1.12 Estimate a Single Object
- 2 MANAGE TRACKING and TRACKS - Level 1

## UNCLASSIFIED FOUO

- 2.1.3 Manage Air Tracks
- 2.1.8 Fuse Track Measurements
- 2.1.9 Correlate Tracks
- 2.1.11 Filter Track Report
- 2.2.12 Determine Identification Based on Associations
- 2.1.15 Align Tracks Relatively
- 2.2.18 Determine Blue Force Tracking Identification
- 2.1.20 Associate Multi-Sensor Data
- 2.1.26 Maintain Track History
- 2.1.31 Fuse Track Data
- 3.3 Provide Indications, Warnings, and Alerts - Group
- 3.2.1 Generate Common Operational Picture
- 3.2.2 Generate Common Tactical Picture
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.2.4 Update COP Display
- 3.4.5 Maintain Shared Situational Awareness
- 3.2.9 Configure, Edit, and Display No-Fly Zones
- 3.2.10 Configure, Edit, and Display Restricted Navigation Zones
- 3.4.13 Manage Airspace Control Measures
- 3.2.18 Display Geospatial Information Overlay
- 3.2.27 Provide Geospatial Coordinates
- 3.2.29 Display Formation Tracks
- 3.2.33 Monitor In-Flight Reporting
- 3.2.34 Provide Tactical Status Displays, Overlays and Reports
- 5 MISSION PLANNING - Level 1
- 5.1.1 Generate New or Revised Plan
- 5.1.5 Generate Ingress and Egress Plans
- 5.4.7 Coordinate Plans and Tasking with Other Components
- 5.1.16 Develop Deconfliction Plan
- 5.1.30 Plan and Evaluate Airspace Control Measures
- 5.1.62 Deconflict the Airspace
- 6.2.11 Deconflict Blue Force Position and Mission
- 6.2.21 Dynamically Deconflict Engagement
- 6.2.30 Resolve Battlespace Conflicts
- 7.2 Provide Information Exchange - Group
- 7.3.6 Operate In Receive-Only Mode
- 7.1.11 Transfer Information Over Multiple Channels Simultaneously
- 7.1.14 Respond or Reply to Request for Information
- 7.1.19 Select Message

## UNCLASSIFIED FOUO

- 7.1.21 Provide Message Status
- 7.1.23 Notify User of Message Arrival
- 7.1.24 Manage E-Mail
- 7.1.26 Communicate Beyond Line of sight Narrowband-Satellite-LPI/LPD
- 7.2.27 Exchange Messages Synchronously
- 7.2.30 Transmit Track Data
- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
- 7.1.41 Provide Line-of-Sight Communications
- 7.1.54 Provide Beyond Line-of-Sight Communications
- 7.1.55 Manage Messaging Services
- 7.1.72 Operate Within Selected Frequency Range
- 7.1.77 Coordinate Message Delivery
- 7.1.79 Address Data by Position or Organization
- 7.1.87 Communicate via Radio Frequency (RF) Communications
- 7.1.88 Communicate Signals via Line Communications
- 7.1.89 Dynamically Manage or Allocate Frequencies
- 7.1.90 Select Optimum Transmission Path
- 7.1.96 Transmit or Receive Information
- 7.1.97 Transmit in Variety of Waveforms
- 8.11.1 Fuse Data
- 8.10.1 Integrate Human Machine Interface
- 8.4.1 Create and Edit Messages
- 8.5.2 Transmit Data on Established Path
- 8.12.2 Initiate Collaboration
- 8.10.3 Display Data
- 8.12.3 Perform Collaboration
- 8.3.3 Establish and Maintain Connectivity
- 8.7.4 Analyze Data
- 8.7.5 Translate Data
- 8.9.5 Integrate Enterprise Applications
- 8.10.5 Provide Feedback on User Input and Actions
- 8.12.5 Terminate Collaboration
- 8.4.5 Manage Documents
- 8.3.5 Establish Circuit
- 8.9.6 Interact with Enterprise Information Environment
- 8.12.6 Conduct Decision Process Collaboration
- 8.4.6 Support Web Browsing
- 8.5.7 Control Normal Operations
- 8.6.7 Determine System Availability

## UNCLASSIFIED FOUO

- 8.2.7 Decrypt Data
- 8.4.7 Spell and Grammar Check Documents
- 8.7.8 Query Data
- 8.3.8 Authenticate Wireless Network Associations
- 8.2.8 Encrypt Data
- 8.7.9 Sort Data
- 8.10.9 Provide Automated Interfaces to Current System Planning Tools
- 8.3.9 Load Applications
- 8.2.9 Maintain Secure Data Transmission
- 8.7.10 Filter Information
- 8.8.10 Request Service Subscription or Change to Service Subscription
- 8.10.10 Provide Graphical User Interface Services
- 8.2.10 Monitor Network Security
- 8.4.10 Generate Displays
- 8.1.10 Receive Request for Information
- 8.3.10 Develop Clients and Servers
- 8.7.11 Formulate Discovery Search
- 8.10.11 Provide Data Entry Interface
- 8.3.11 Identify Variance
- 8.5.12 Predict System Capability
- 8.4.12 Process Multimedia Information
- 8.5.13 Employ Over-the-Air Transfer
- 8.10.13 Control Refresh Rate
- 8.2.13 Implement NSA or NIST Public Key Cryptography
- 8.7.14 Delete Data
- 8.10.14 Identify the Need for Human-in-the-Loop Response
- 8.8.15 Request Access to Enterprise Information Environment
- 8.7.16 Migrate Data
- 8.10.16 Present User Defined Situational Awareness Information
- 8.1.17 Perform Data Services
- 8.1.18 Remotely Control System Operations
- 8.4.19 Provide and Manage Graphics
- 8.2.19 Validate User Credentials
- 8.2.20 Authorize Data Access
- 8.7.21 Correlate Data
- 8.6.21 Predict Equipment Faults
- 8.2.21 Respond to Security Events
- 8.7.22 Disseminate Data
- 8.4.22 View Documents

## UNCLASSIFIED FOUO

- 8.4.23 Execute Command Interpreter and Utility Services
- 8.1.24 Assess Network
- 8.4.24 Execute Operating System Functions
- 8.7.27 Retrieve Data
- 8.1.27 Terminate Network Connection
- 8.1.28 Find Services
- 8.4.37 Control Operation of Computer
- 8.2.38 Authenticate Remotely
- 8.7.43 Mine Data
- 8.4.43 Generate Preformatted Graphics
- 8.2.44 Retain Cryptography after Power Loss
- 8.7.50 Discover Data
- 8.1.53 Provide Over the Air Software Upgrades
- 8.7.56 Maintain Address Book
- 8.1.56 Translate Name to Address
- 8.1.58 Manage Trouble Tickets
- 8.7.62 Monitor System/Resource Allocation
- 8.7.72 Subscribe to Data
- 8.7.74 Update Subscription Database
- 8.7.82 Retain Data
- 8.7.83 Manage and Manipulate File and File Systems
- 8.7.85 Perform Distributed Data Services
- 8.7.86 Analyze and Organize Data
- 8.7.91 Acquire Data
- 8.7.94 Store Applications
- 8.7.98 Perform Data Check
- 9.3 System Protection -Group
- 9.2.1 Perform Built-In Test (BIT)
- 9.2.2 Perform Power Restoration and Diagnostics after Interruption
- 9.1.2 Track Maintenance Trouble Reports
- 9.2.3 Perform Automated System Diagnostics and Reconfiguration
- 9.3.4 Provide Voltage Surge Protection
- 9.1.6 Manage Service Requests
- 9.2.6 Isolate Equipment Fault
- 9.1.7 Plan Maintenance Part and Material Requirements
- 9.1.8 Schedule Preventative Maintenance Procedures
- 9.1.9 Determine Maintenance Personnel Availability
- 9.1.10 Monitor/Track Maintenance Training and Qualifications
- 9.1.11 Schedule Inspections

## UNCLASSIFIED FOUO

- 9.1.12 Maintain Parts Information
- 9.1.14 Modify Maintenance Plan
- 9.1.15 Conduct Maintenance Planning
- 9.1.17 Determine Maintenance Solution
- 9.1.18 Detect Equipment Faults
- 9.1.19 Provide On-Line Fault Isolation
- 9.1.20 Track Maintenance Repairs
- 9.1.22 Predict Equipment Faults
- 9.1.23 Perform Diagnostic Testing
- 9.1.24 Track Fault Data
- 9.1.26 Provide Preventive Maintenance Requirements Instructions
- 10.1 Supply Chain Management - Group
  - 10.2.1 Schedule Distribution and Transportation
    - 10.1.5 Track Inventory
    - 10.1.9 Perform Lifecycle Asset Accountability
    - 10.1.10 Optimize Service Delivery Process
  - 13.2.5 Perform Embedded Training
  - 13.2.6 Commence Embedded Training
  - 13.2.7 Terminate Embedded Training
  - 13.2.8 Pause Embedded Training
  - 13.2.9 Return to Training
  - 13.2.10 Perform System Training Stimulation
  - 13.2.11 Perform System Training Simulation
  - 13.2.12 Perform Training Event Playback and Analysis
  - 13.2.14 Conduct Individual Computer Generated Instruction

**TBMCS**

- 1.1.2 Classify Signals
- 3.2.1 Generate Common Operational Picture
- 3.2.2 Generate Common Tactical Picture
- 3.5.2 Update Resource Information
- 3.4.3 Receive, Store and Maintain Geospatial Product Information
- 3.5.3 Analyze Transportation Asset Visibility
- 3.3.5 Generate Alert
- 3.5.5 Report Unit and Platform Status
- 3.5.6 Access Joint Asset Information
- 3.5.8 Access Unit Readiness and Logistics Reports
- 3.5.9 Monitor Force Status
- 3.5.10 Present Mission Resources Information
- 3.2.12 Maintain and Display Force Disposition Displays

## UNCLASSIFIED FOUO

- 3.2.14 Maintain and Display Unit and Platform Status Information
- 3.2.17 Generate Unit and Platform Availability
- 3.2.18 Display Geospatial Information Overlay
- 3.2.27 Provide Geospatial Coordinates
- 4.5.2 Evaluate Intelligence
- 4.7.2 Manage Target List
- 4.5.3 Estimate Extent of Collateral Damage
- 4.2.3 Analyze Meteorological Conditions
- 4.3.6 Estimate Enemy Capability Levels
- 4.3.7 Evaluate Operational Environment
- 4.3.8 Evaluate Mission
- 4.7.9 Determine Object Probable Location
- 4.6.11 Estimate Extent of Target Damage or Destruction
- 4.8.17 Correlate Events
- 4.8.21 Assess Air Battle Impact
- 4.8.24 Evaluate Feedback
- 5.1.1 Generate New or Revised Plan
- 5.4.2 Support Asset Tasking
- 5.4.4 Allocate Air Defense Systems
- 5.1.5 Generate Ingress and Egress Plans
- 5.1.6 Generate Coordinated Flight and Terminal Seeker Operation Plan
- 5.1.10 Generate Input to Missions Plans
- 5.4.10 Generate Air Tasking Order Message
- 5.1.12 Create Attack Plans
- 5.1.16 Develop Deconfliction Plan
- 5.1.20 Generate Correction or Contingency Plans
- 5.1.23 Generate Weapon Terminal Guidance Plan
- 5.1.27 Create Air Battle Plans
- 5.1.49 Plan Target-Weapon Type Pairing
- 5.1.54 Create Air Attack Plans
- 5.1.56 Generate Enemy Order of Battle (EOB)
- 5.1.62 Deconflict the Airspace
- 5.1.64 Create Flight Schedules
- 6.3.1 Generate Engagement Orders
- 6.3.3 Execute Engagement
- 6.2.10 Recommend Maneuvers to Avoid Interference
- 6.2.13 Update Attack Guidance
- 6.2.14 Provide Optimized Attack Solutions
- 6.2.17 Process Air Support Request

## UNCLASSIFIED FOUO

- 6.2.36 Generate Engagement Decision Response
- 7.1.7 Transfer Data
- 7.1.12 Transfer File
- 7.1.24 Manage E-Mail
- 7.1.55 Manage Messaging Services
- 7.1.96 Transmit or Receive Information
- 8.10.1 Integrate Human Machine Interface
- 8.4.1 Create and Edit Messages
- 8.8.2 Authorize User Roles and Services
- 8.8.3 Manage Accounts
- 8.12.3 Perform Collaboration
- 8.10.3 Display Data
- 8.8.4 Monitor and Adapt User Interface
- 8.8.5 Assign Roles and Privileges
- 8.1.5 Share Information
- 8.4.5 Manage Documents
- 8.7.9 Sort Data
- 8.10.10 Provide Graphical User Interface Services
- 8.4.10 Generate Displays
- 8.1.11 Provide Message Services
- 8.7.14 Delete Data
- 8.10.16 Present User Defined Situational Awareness Information
- 8.7.18 Archive Data
- 8.4.19 Provide and Manage Graphics
- 8.4.21 Process Imagery
- 8.7.27 Retrieve Data
- 8.4.31 Provide Graphical Client – Server Services
- 8.4.33 Provide Printing Services
- 8.7.39 Aggregate Data
- 8.4.40 Generate Reports
- 8.4.41 Manage Reports
- 8.1.66 Provide Shared Conference Window User Screens
- 8.7.81 Store Data
- 8.7.82 Retain Data
- 14.1.18 Evaluate Intelligence Collection, Products, Reporting

**UCS**

- 7.2.1 Transmit Navigation Signal
- 7.1.1 Establish Communication Networks
- 7.1.2 Provide Secure Communications

## UNCLASSIFIED FOUO

- 7.1.3 Employ Conference Communications Services
- 7.1.7 Transfer Data
- 7.1.8 Transfer Data via a Virtual Circuit
- 7.1.25 Communicate Beyond Line of Sight Anti Jam Wideband Satellite
- 7.1.26 Communicate Beyond Line of sight Narrowband-Satellite-LPI/LPD
- 7.1.27 Communicate Beyond Line of sight using Mobile/Emergency-Satellite
- 7.1.31 Communicate Beyond Line of sight-Narrowband MILSAT
- 7.1.33 Communicate Beyond Line of sight-Wideband Commercial Satellite
- 7.1.34 Communicate Beyond Line of sight-Wideband MILSAT
- 7.1.41 Provide Line-of-Sight Communications
- 7.1.44 Conduct Video Conferencing
- 7.1.51 Broadcast Information
- 7.1.53 Provide (LAN) Local Area Network Communications
- 7.1.54 Provide Beyond Line-of-Sight Communications
- 7.1.56 Provide Shared Audio Visualization Capabilities
- 7.1.87 Communicate via Radio Frequency (RF) Communications
- 7.1.90 Select Optimum Transmission Path
- 7.1.96 Transmit or Receive Information
- 8.7.22 Disseminate Data
- 8.7.27 Retrieve Data

UNCLASSIFIED FOUO

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