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	Activities	Receive the		Conduct Target	Conduct Target	_	_	Prepare the Joint Fire Support	Prepare the Joint Fire Support	Prepare the Joint Fire Support	Prepare the Joint Fire Support	Prepare the Joint Fire Support	Issue the Commander's	Issue the Commander's	Issue the Commander's	Issue the Commander's	Issue the Commander's	Submit Support	Submit Support	Submit Support	Submit Support	Submit Support	Submit Support	Analyze Courses of Action (COAs)
TEC Tion I		Mission	Mission	Analysis	Analysis	Analysis	Analysis	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Requests	Requests	Requests	Requests	Requests	Requests	Action (COAs)
JFS Tier I SV-4 / SV-5a Functions, Activities, Systems, Data Elements Mapping	Systems	Secure Internet Protocol Router Network (SIPRNET)	Secure Voice	Secure Internet Protocol Router Network (SIPRNET)	Secure Voice	Joint Targeting Toolbox (JTT)	Internet Relay Chat (IRC)	Advanced Field Artillery Tactical Data System (AFATDS)	Secure Internet Protocol Router Network (SIPRNET)	Secure Voice	Internet Relay Chat (IRC)		Advanced Field Artillery Tactical Data System (AFATDS)	Secure Internet Protocol Router Network (SIPRNET)	Secure Voice	Internet Relay Chat (IRC)	Joint Automated Deep Operations Coordination System (JADOCS)	Advanced Field Artillery Tactical Data System (AFATDS)	Secure Internet Protocol Router Network (SIPRNET)	Secure Voice	Internet Relay Chat (IRC)	Joint Automated Deep Operations Coordination System (JADOCS)	Theater Battle Management Core System (TBMCS)	Advanced Field Artillery Tactical Data System (AFATDS)
	Data Elements																							
System Function	System Function Definition																							
1.1 Process Sensor Signals				X	X	X	X																	
1.2 Perform Search 1.3 Perform Detection			+	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
1.4 Sensor Management			1	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
1.5 Positioning, Navigation, and Timing				X	X	X	X	X	X	X	X	X	X	X	X	X	X							
2.1 Perform Tracking 2.2 Combat Identification (CID)			-	X	X	X	X	X	X	X X	X	X	X	X	X	X	X X							
3.2 Generate and Manage Situational Awareness (SA)			+	Λ					Λ			Λ												
Picture				X	X	X	X	X	X	X	X	X	X	X	X	X	X							X
3.3 Provide Indications, Warnings, and Alerts				X	X	X	X	X	X	X	X	X	X	X	X	X	X							***
3.4 Situational Awareness (SA) Data Management 3.5 Monitor Mission Readiness		1	+	X	X	X	X	X	X	X X	X X	X	X X	X	X	X	X		-					X X
4.1 Analyze Natural Environmental Impacts			+	X	X	X	X	X	X	X	X	X	X	X	X	X	X							X
4.2 Analyze Natural Environment				X	X	X	X	X	X	X	X	X	X	X	X	X	X							X
4.3 Analyze Operational Environment				X	X	X	X	X	X	X	X	X	X	X	X	X	X							X
4.5 Measure Analysis Results 4.6 Perform Predictive Analysis				X	X	X	X	X	X	X	X	X	X X	X	X	X	X	X	Y	X	Y	X	Y	X
4.7 Analyze Targets				X	X	X	X	X	X	X	X	X	X	X	X	X	X	Λ	Α	Α	A	Λ	Λ	X
4.8 Perform Mission Assessment								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4.10 Biometric Identification								**	**			**		**	**									**
5.1 Create and Revise Plans 5.2 Review Plans								X	X	X	X	X	X	X	X	X	X	X	Y	X	X	X	X	X X
5.3 Rehearse Mission																		Λ	Λ	Λ	Λ	Λ	Λ	Λ
5.4 Assign and Delegate Mission Requirement								X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5.5 Identify Planning Requirement Factors																								X
5.6 Flight Planning6.1 Manage Platforms and Systems			1																					
6.2 Decision																								X
6.3 Perform Engagement																								
7.1 Provide Ability to Communicate		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7.2 Provide Information Exchange7.3 Data Link Services		S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R
8.1 Network Services			1																					
8.3 Network Establishment																								
8.4 IT Computing Services																								
8.5 Operate or Maintain Network			1																					
8.6 Network Configuration 8.7 Manage Data			+																					X
8.8 Perform User Management Services																								
8.9 Enterprise Network Environment Management																								
8.10 Provide Human Machine Interface (HMI) 8.11 Fuse Network Data		1	+																					
8.12 Enterprise Collaboration Services																								
9.1 System Maintenance																								
9.2 System Test 9.3 System Protection			+				+												 					
10.1 Supply Chain Management																		X	X	X	X	X	X	
10.2 Transportation 11.1 Accommodate Medical Patients		1	-																					
11.2 Manage Medical Information		1	+																					
11.3 Medical Planning and Execution																								
12.1 Manage Job and Employee Information12.2 Manage Personnel Benefit Information			+				-																	
13.1 Operational and Exercise Training																								
13.2 System Training Operations										_														
13.3 Administrative Management of Training 14.1 Process Intelligence Data			+	X	X	X	X	X	X	X	X	X	X	X	X	X	X							X
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Analyze Courses of Action (COAs)	Analyze Courses of Action (COAs)	Analyze Courses of Action (COAs)	Analyze Courses of Action (COAs)				Publish Asset Tasking Order		Initiate Planning Actions	Initiate Planning Actions	Initiate Planning Actions	Initiate Planning Actions	Initiate Planning Actions	Receive Joint Fire Support Plan	Receive Joint Fire Support Plan		Conduct Rehearsals	Conduct Rehearsals	Conduct Rehearsals	Conduct Rehearsals	Conduct Rehearsals	Conduct Rehearsals	Conduct Rehearsals	in Accordance with	in Accordance with	Conduct Movement in Accordance with Fire Support Plan	in Accordance with	in Accordance with
Secure Internet Protocol Router Network (SIPRNET)	Secure Voice	Internet Relay Chat (IRC)	Joint Automated Deep Operations Coordination System (JADOCS)	Advanced Field Artillery Tactical Data System (AFATDS)	Secure Internet Protocol Router Network (SIPRNET)	t r Secure Voice	Internet Relay Chat (IRC)	Joint Automated Deep Operations Coordination System (JADOCS)	Advanced Field Artillery Tactical Data System (AFATDS)	Secure Internet Protocol Router Network (SIPRNET)	Secure Voice	Internet Relay Chat (IRC)	Joint Automated Deep Operations Coordination System (JADOCS)	Secure Internet Protocol Router Network (SIPRNET)	Command Post of the Future (CPOF)		Secure Internet Protocol Router Network (SIPRNET)	Joint Automated Deep Operations Coordination System (JADOCS)	Command Post of the Future (CPOF)	Theater Battle Management Core System (TBMCS)		Control	Radio (UHF; VHF AM; VHF FM)	Advanced Field Artillery Tactical Data System (AFATDS)	Secure Internet Protocol Router Network (SIPRNET)	Joint Automated Deep Operations Coordination System (JADOCS)	Command Post of the Future (CPOF)	Theater Battle Management Core System (TBMCS)
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in Accordance with		in Accordance with	Conduct Reconnaissance / Surveillance of Target	Conduct Reconnaissance / Surveillance of Target	Conduct Reconnaissance / Surveillance of Target	Receive Target Information	Receive Target Information	Receive Target Information	Receive Target Information	Receive Target Information	Receive Target Information	Receive Target Information	Receive Target Information	Receive Target Information	Receive Target Information	Receive Target Information	Evaluate Target Information	Evaluate Target Information	Evaluate Target Information	Evaluate Target Information		Evaluate Target Information	Evaluate Target Information	Evaluate Target Information	Determine Engagement	Determine Engagement	Determine Engagement	Determine Engagement
Tactical Air Control Party- Close Air Support System (TACP-CASS)	Maneuver Control System (MCS)	Radio (UHF; VHF AM; VHF FM)	Tactical Data Link (TADL)	Secure Voice	Virtual Distributed Laboratory (VDL)	Artillery Tactical	Secure Internet Protocol Router Network (SIPRNET)	Secure Voice	Internet Relay Chat (IRC)	Pocket-Sized Forward Entry Device (PFED)		Tactical Data Link Handoff System (TADL-HS)	Alf affu iviissile	Joint Automated Deep Operations Coordination System (JADOCS)	Command Post of the Future (CPOF)	Virtual Distributed Laboratory (VDL)	Advanced Field Artillery Tactical Data System (AFATDS)	Secure Internet Protocol Router Network (SIPRNET)	Secure Voice	Internet Relay Chat (IRC)	Joint Automated Deep Operations Coordination System (JADOCS)	Command Post of the Future (CPOF	Virtual Distributed Laboratory (VDL)	Theater Battle Management Core System (TBMCS)	Tactical Data	Secure Internet Protocol Router Network (SIPRNET)	Secure Voice	Internet Relay Chat (IRC)
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Determine Engagement	Determine Engagement	Determine Engagement	Determine Engagement	Use Lethal Attack	Use Lethal Attack	Use Lethal Attack	Use Lethal Attack	Use Lethal Attack	Use Lethal Attack	Use Lethal Attack	Conduct Fixed Wing Aircraft Execution Activities	Conduct Fixed Wing Aircraft Execution Activities	Conduct Attack Helo Execution Activities	Conduct Attack Helo Execution Activities	Conduct UAV/UAS Execution Activities		Conduct Missiles Execution Activities	Conduct Missiles Execution Activities	Conduct Rocket Execution Activities		Artillery and Mortar	Conduct Cannon Artillery and Mortal Execution Activities		Conduct Naval Surface Fire Support Operations	Use Non-Lethal Attack	Use Non-Lethal Attack	Use Non-Lethal Attack
Joint Automated Deep Operations Coordination System (JADOCS)	Command Post of the Future (CPOF)	Virtual Distributed Laboratory (VDL)	Theater Battle Management Core System (TBMCS)	Tactical Air Control Party- Close Air Support System (TACP-CASS)	Theater Battle Management Core System (TBMCS)	Advanced Field Artillery Tactical Data System (AFATDS)	Battlefield Air Operations (BAO) Kit	Secure Internet Protocol Router Network (SIPRNET)	Internet Relay Chat (IRC)	Deep Operations Coordination		Artillery Tactical Data System	Joint Automated Deep Operations Coordination System (JADOCS)		Joint Automated Deep Operations Coordination System (JADOCS)	Advanced Field Artillery Tactical Data System (AFATDS)	Joint Automated Deep Operations Coordination System (JADOCS)	Advanced Field Artillery Tactical Data System (AFATDS)	Joint Automated Deep Operations Coordination System (JADOCS)	Advanced Field Artillery Tactical Data System (AFATDS)	Joint Automated Deep Operations Coordination System (JADOCS)	Advanced Field Artillery Tactical Data System (AFATDS)		Data System	Secure Internet Protocol Router Network (SIPRNET)	Internet Relay Chat (IRC)	Theater Battle Management Core System (TBMCS)
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Use Non-Lethal Attack	Use Non-Lethal Attack	Conduct IO Non- Lethal Operations	Conduct IO Non- Lethal Operations	Conduct IO Non- Lethal Operations	Conduct IO Non- Lethal Operations	Conduct IO Non- Lethal Operations	Integrate and Synchronize Air and Surface Fires	Integrate and Synchronize Air and Surface Fires	Integrate and Synchronize Air and Surface Fires	Integrate and Synchronize Air and Surface Fires	Integrate and Synchronize Air and Surface Fires	Integrate and Synchronize Air and Surface Fires	Integrate and Synchronize Air and Surface Fires	Engage Target	Engage Target	Engage Target	Conduct Post Strike Surveillance	Conduct Post Strike Surveillance	Conduct Post Strike Surveillance	Conduct Post Strike Surveillance	Conduct Post Strike Surveillance	Conduct Post Strike Surveillance	Conduct Post Strike Surveillance	Conduct Post Strike Surveillance	Provide Physical Damage Assessment
Secure Voice	Advanced Field Artillery Tactical Data System (AFATDS)	Secure Internet Protocol Router Network (SIPRNET)	Internet Relay Chat (IRC)	Theater Battle Management Core System (TBMCS)	Secure Voice	Advanced Field Artillery Tactical Data System (AFATDS)	Tactical Airspace Integration System (TAIS)	Joint Automated Deep Operations Coordination System (JADOCS)	Air Defense System Integrator (ADSI)	Advanced Field Artillery Tactical Data System (AFATDS)	Theater Battle Management Core System (TBMCS)		Radio (UHF; VHF AM; VHF FM)	Virtual Distributed Laboratory (VDL)	Radio (UHF; VHF AM; VHF FM)		Command Post of the Future (CPOF)	Virtual Distributed Laboratory (VDL)	Distributed Common Ground System-Army (DCGS-A)	Distributed Commor Ground System (DCGS)	Advanced Field Artillery Tactical Data System (AFATDS)	Joint Automated Deep Operations Coordination System (JADOCS)	Radio (UHF; VHF AM; VHF FM)	Tactical Data Link (TADL)	Command Post of the Future (CPOF)
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X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	

Provide Physical Damage	Provide Physical Damage	Provide Physical Damage	Provide Physical Damage	Provide Physical Damage	Provide Physical Damage	Provide Physical Damage	Provide Functional	Provide Functional	Provide Functional	Provide Functional	Provide Functional	Provide Functional	Provide Functional	Provide Functional
Assessment	Assessment	Assessment	Assessment	Assessment	Assessment	Assessment	Damage Assessment	Damage Assessment	Damage Assessment	Damage Assessment	Damage Assessment	Damage Assessment	Damage Assessment	Damage Assessment
Virtual Distributed Laboratory (VDL)	Distributed Common Ground System-Army (DCGS-A)	Distributed Common Ground System (DCGS)	Advanced Field Artillery Tactical Data System (AFATDS)	Joint Automated Deep Operations Coordination System (JADOCS)	Radio (UHF; VHF AM; VHF FM)	Tactical Data Link (TADL)	Command Post of the Future (CPOF)	Virtual Distributed Laboratory (VDL)	Distributed Common Ground System-Army (DCGS-A)	Distributed Common Ground System (DCGS)	Advanced Field Artillery Tactical Data System (AFATDS)	Joint Automated Deep Operations Coordination System (JADOCS)	Radio (UHF; VHF AM; VHF FM)	Tactical Data Link (TADL)
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
X X	X	X X	X X	X X	X	X X	X X	X X	X X	X X	X X	X X	X X	X X
X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X
X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X	X X X
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R	S R