

# **Joint Communications Support Element Command, Control, Communications and Computer Planner's Guide**



25 February 2011

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JCSE-CC

SUBJECT: Command, Control, Communications and Computers (C4) JCSE Planner's Guide.

1. JCSE is pleased to provide an updated and revised copy of the Command, Control, Communications, and Computers (C4) Planners Guide. This 5<sup>th</sup> edition supersedes any previous products.
2. This document outlines various capabilities that JCSE supports across the full spectrum of operations. Our mission support ranges from short notice Global Response Force (GRF) support to Deployable Joint C2 (DJC2) support at Regional Combatant Commands (RCC). JCSE performs these functions through aggressive fusion of network operations within the construct of a supported commander's objectives and scheme of maneuver, ensuring information delivery, assured information protections and reliable network availability.
3. JCSE operates using the Direct Support (DS), the General Support (GS) and the General Support Reinforcing (GSR) doctrinal concept. JCSE as a whole is poised to support a command's scheme of maneuver. When a mission receives JCSE support, the entire JCSE organization is leveraged.
4. One of the capabilities that provide JCSE with the ability to quickly adapt to Operational and Strategic planning requirements is the use of dedicated RCC planning teams. The Element will use military and civilian planners to provide mission support through the Campaign, Deliberate, and Crises action planning efforts. These dedicated plans teams also supports the JCSE Global Enterprise Network access through validation of access requests, working with our Global JNOC and acquisition and engineering section to ensure the required capabilities are available.
5. JCSE falls under the operational and administrative control of the Joint Enabling Capabilities Command (JECC) under Joint Forces Command (JFCOM). There are a myriad of ways to call out JCSE assets both from our home station in Macdill, AFB and abroad with the dedicated DJC2 teams under the designated COCOMs. JCSE planners will help work through each of the call out processes and assist with C2 operational requirement construction. The element stands ready to support the warfighting commander with the *"Voice Heard Around the World" – AIRBORNE!*

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STEPHEN P. CORCORAN  
COL, USMC  
Commanding

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## I. JCSE Overview

### JCSE Mission

*On order, JCSE immediately deploys to provide en route, early entry, scalable C4 support to the Regional Combatant Commands, Special Operations Command, and other agencies as directed; on order, provides additional C4 services within 72 hours to support larger CJTF/CJSOTF Headquarters across the full spectrum of operations.*

Specified Tasks: (CJSCI 3110.10e, Jun 10, Global Response Force EXORD 2010)

- Provide alert-postured, globally deployable en-route and early entry communications support to the Regional Combatant Commands and to United States Special Operations Command within hours of notification.
  - 1 Joint Communications Planning Team
  - 1 Initial Entry Package
  - 1 Early Entry Package
  - 1 Joint Airborne Command and Control / Command Post (en route communications)
- Deploy modular, scalable support to larger joint and combined warfighting Command and Control (C2) Headquarters nodes within 72 hours of notification.
- Provide CJCS-directed communications support to combatant commands, services, defense and other government agencies as directed.

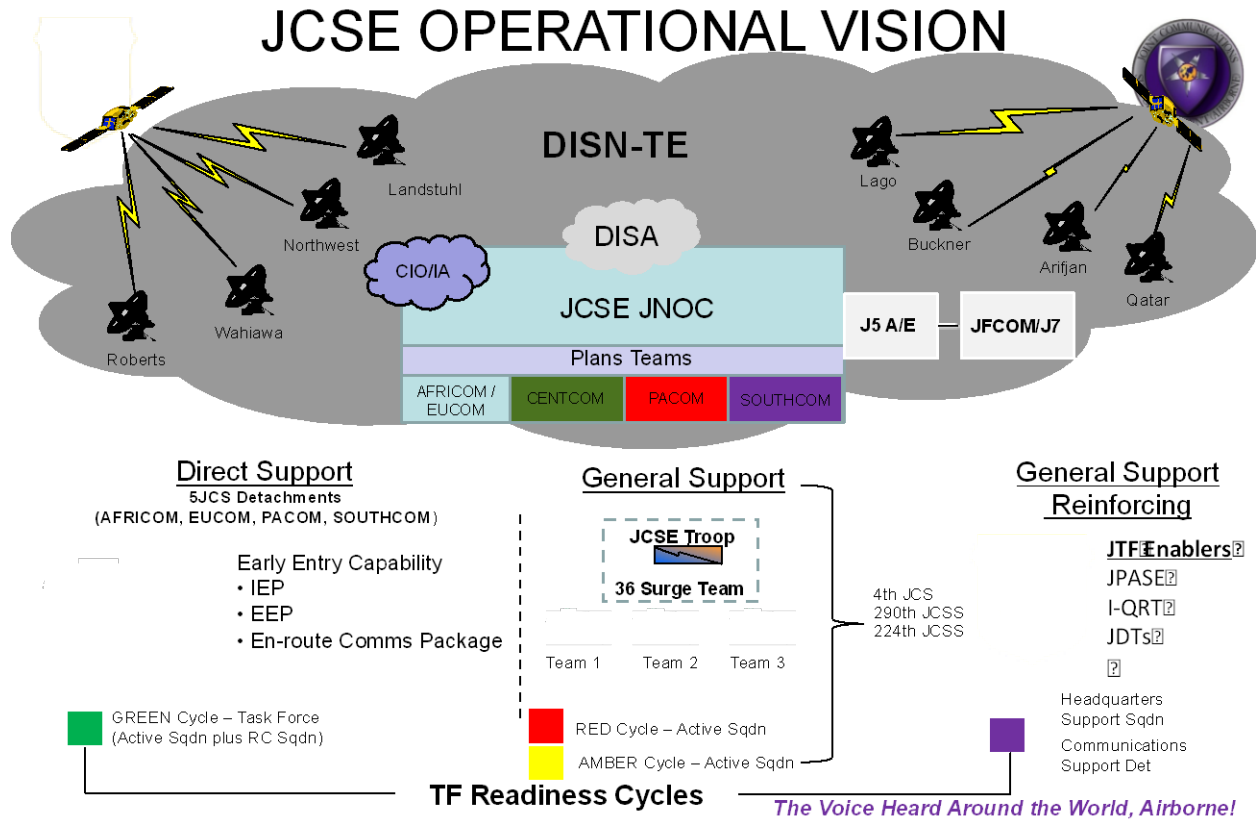
### Concept of Operations

JCSE maintains a Global Response Force (GRF) to serve as the premier source for a JTF commander's immediate, en-route, C4I planning and early-entry capability. The recall posture is set by the commander of USJFCOM and typically ranges from 6-18 hours. The GRF assets can be called upon per USJFCOM-I 3005.1 (Dec 08).

Per USJFCOM ORDER DTG 171957Z Jun 10 (JCSE Support for GCC DJC2 Core Sets), JCSE is assigned responsibility for readiness, deployment and employment of DJC2 Sets in USPACOM, USAFRICOM, USEUCOM and USSOUTHCOM and surge teams at JCSE, Macdill, AFB in support of Geographic Combatant Command (GCC) operational requirements. JCSE detachments will be TACON to the supported GCC; USJFCOM exercises OPCON and ADCON responsibilities. GCC's have authority to deploy the designated JCSE Detachment. Additionally, they may request DJC2 surge teams from Tampa, Florida; as well as, request additional JCSE C2 capabilities by use of the request for forces/request for capabilities (RFF/RFC) or through the GRF process. JCSE has designated C4 Planning teams to each of the GCCs to assist in the following:

- Plan and coordinate JCSE Detachment employment in training, exercises and operations
- Support the GCC in developing C2 support plans for operations and exercises
- Coordinate DISN-TE network access for exercises and operations
- Develop the appropriate C2 configuration for the JCSE Detachment and surge JCSE C2 assets when required

JCSE operates using the Direct Support (DS), the General Support (GS) and the General Support Reinforcing (GSR) doctrinal concept. JCSE as a whole is poised to support a command's scheme of maneuver. When a mission receives JCSE support, the entire JCSE organization is leveraged.



### Requesting JCSE Support

Communications planners requesting JCSE support can contact JCSE J3 at DSN 312-968-0607, commercial 813-828-0607, NIPR e-mail at [J3@jcse.mil](mailto:J3@jcse.mil), or SIPR e-mail at [J3@jcse.smil.mil](mailto:J3@jcse.smil.mil). JCSE planning teams, designated by GCC, are available to assist.

## FOR 18 HR CONTINGENCY

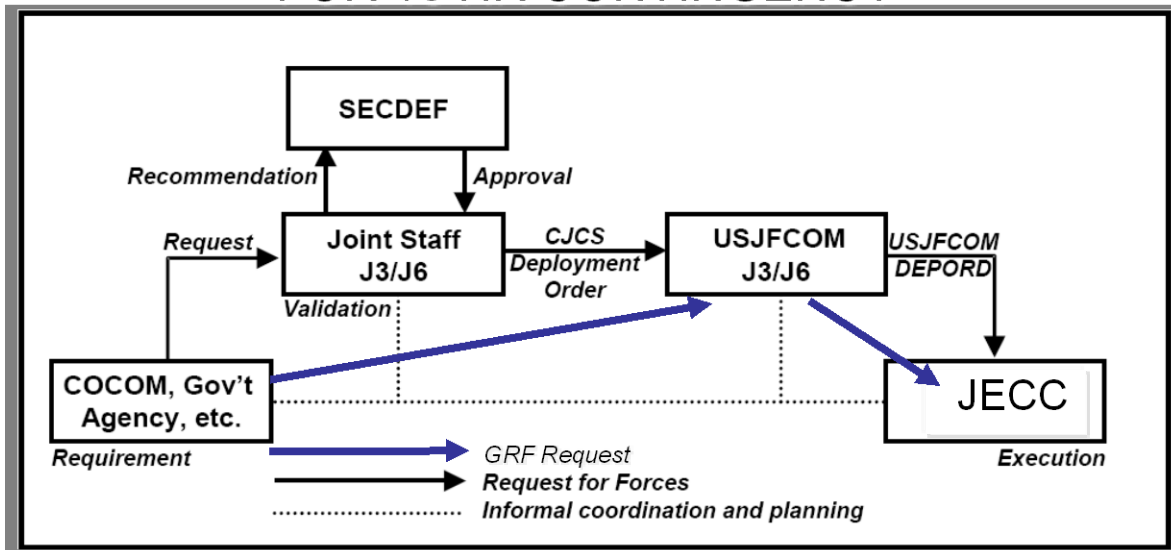


Figure 1: GRF EXORD

## NORMAL REQUEST PROCESS

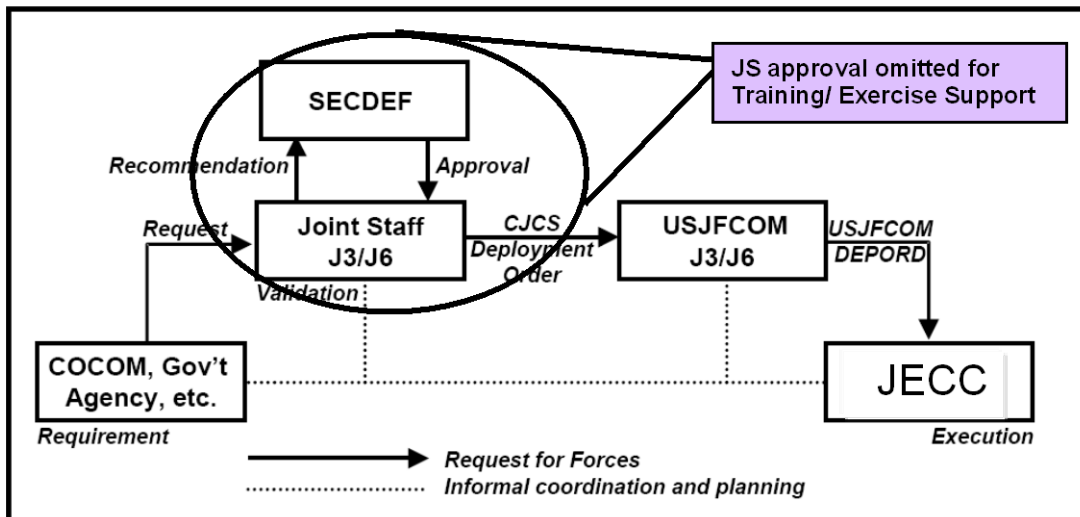


Figure 2: Requesting JCSE Support

Figure 2 describes the formal Request for Forces (RFF) process for requesting JCSE support while Figure 1 describes the process for JCSE support under the Global Response Force (GRF) EXORD. The GRF process is defined under USJFCOM-I 3005.1 (Dec 08). The first step for either course of action is contacting JCSE J3 Planners to work through the process. The assigned Planning Team will maintain a close relationship with the requesting agency to ensure accurate and timely information flow. The team will match COCOM requirements to JCSE capabilities and will assist the COCOM to draft the formal request message.

Per CJCSI 3110.10, the requesting COCOM is responsible for funding JCSE support. This includes, but is not limited to, commercial satellite access, consumable items, shipping, supplies, travel and per diem for JCSE personnel supporting the mission. The request must include a funding citation or a Military Interdepartmental Purchase Request (MIPR) (DD Form 448). JCSE J4 Budget (DSN 312-968-0578, commercial 813-828-0578) will support with the funding process. Per USJFCOM ORDER DTG 171957Z Jun 10 (JCSE Support for GCC DJC2 Core Sets), GCC's provide logistics and transportation support required to support readiness, deployment, employment and re-deployment of JCSE Detachment personnel and equipment in support of GCC-assigned missions.

JCSE's Air Movement Section will assist with planning air transportation if the assets requested will originate from Macdill, AFB. JCSE Logisticians can also assist the GCC with movement of the designated detachments if required. They will create aircraft load plans for all JCSE personnel and equipment. Movement priority is determined by CJCSI4120.02. Most JCSE missions are priority 1B1, just behind Presidential missions, combat missions, or certain specialty missions such as search and rescue.

Supported commands will provide: Class I (Rations and Water), Class III (Petroleum, Oil and Lubricants), Class V (Replenishment Ammunition) and Class IX (Repair Parts). JCSE planners will help coordinate additional supplies, equipment, billeting, space requirements and power requirements.

## II. Global Response Force Assets:

### C4 Planning Team



**UTC:** 6JC40

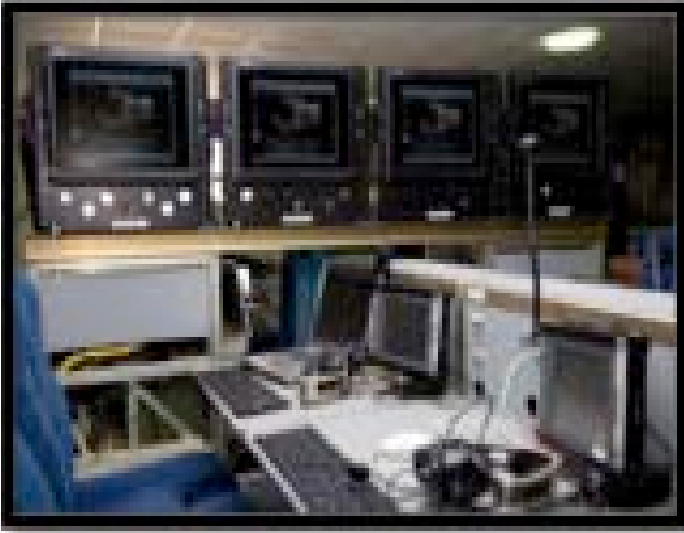
**Personnel:** 4 (1 Officer/3 NCOs or 4 Civilians)

**Mission Capability Statement:**

The C4 Planning team provides a COCOM or JTF staff with planning and engineering support for contingencies or exercises. The team contains experts on resolving inter-service, inter-agency and international C4 planning and operational issues. The team can design or optimize packet or circuit-switched voice, video and data networks, or transmission mediums. COCOM or JTF commanders can also use the planning team to form the nucleus of a Joint Communications Control Center (JCCC) for management and planning. A C4 Planning team is designated to each of the GCC.

## II. Global Response Force Assets: (con't):

### Joint Airborne Communications Center / Command Post (JACC/CP)



**UTC:** 6JC12

**Personnel:** 4 (4 NCOs)

#### **Mission Capability Statement:**

The JACC/CP provides the Joint Force Commander with in-flight/en-route secure voice and data communications on board C-130 aircraft.

#### **“Roll on/off, no-scar”, modification**

Equipment and seats mounted to 3 modified Mil 463L pallets

C-17 Auxiliary Crew Member seats for 14 mission crewmembers (PN 838901-403)

Total weight (minus crew): 6,400 lbs

#### **Mission radios (WAVE server)**

12 AN/PRC-117F VHF/UHF radios: (30-512 MHz)

4 AN/PRC 119E VTAC radios: (30 -90MHz)

2 AN/PSC 5 VHF/UHF Radios: (125 – 400MHz)

Viper II SATCOM "INMARSAT": (1525.0-1660.5 MHz)

System powered through the three existing Missile Power outlets

Hatch mounted antennas installed IAW TO 16W5-14-2

#### **Forward Hatch:**

An EMS Technologies SATCOM antenna (AMT-50)

Bus monitor on SCNS 1553 bus for INU attitude data

#### **Center Hatch:**

Chelton TACSAT antenna w/GPS (19-470)

Use of center hatch will restrict aircraft to unpressurized flight

Disables manual depressurization system (Affects dash 1)

#### **Aft Hatch:**

UHF/VHF Multi-band antenna (Sensor Systems S65-8282-34)

Existing aircraft USTS antenna may also be used with PRC-117F

**Logistics Detail**

<b>ITEM</b>	<b>NOMENCLATURE</b>	<b>QTY</b>	<b>L</b>	<b>W</b>	<b>H</b>	<b>WEIGHT</b>	<b>SHORT TONS</b>
1.	Radio Pallet	1	88	108	55	3,180	1.5
2.	Staff Pallet	1	88	108	55	1,620	.8
3.	Staff Pallet	1	88	108	55	1,460	.7
4.	Table Pallet	1	88	108	55	1,300	.6
<b>TOTAL:</b>						<b>7,560</b>	<b>3.8</b>

**Logistical Support Items:**

- a. Power Generation: 115/208VAC, 3 phase, 30 amps at 400Hz
- b. Mission Capability Time: 8 hours
- c. Transportation Requirement: URC-56D: HMMWV-Towable  
URC-56E: requires material handling equipment and weatherproof storage.

## II. Global Response Force Assets: (con't):

### Initial Entry Package (IEP)



**UTC:** 6JM10

**Personnel:** 2 (2 NCOs)

The IEP provides man-portable data and voice service for either initial entry communications General Officer support. Each case can be transported via a commercial airliner. The system is capable of providing C2 for up to 5 PAX and can provide four data networks (e.g. NIPR, SIPR, WWW, and JWICS when called out) that are configurable based on user requirements. It can interface with modules of the EEP or JTF Package in order to provide expanded services. System may be employed with a Broadband Global Area Network (BGAN) terminal for limited through put. Common augmentations include Suitcase VTC.

<b>ITEM NOMENCLATURE</b>	<b>QTY</b>	<b>L</b>	<b>W</b>	<b>H</b>	<b>WEIGHT</b>	<b>SHORT TONS</b>
1. Communications Case #1	1	15.2	19.2	7.3	35	
2. Auxiliary Case #2	1	14.1	21.7	8.9	28	
3. HAIPE Device Case #3	1	10.5	15.0	6.0	10	
4. Configuration Case #4	1	14.1	21.7	8.9	24	
<b>TOTAL:</b>					<b>97</b>	

### **Logistical Support Items:**

- a. Power Generation: 90-264 VAC, 47-63Hz
- b. Mission Capability Time: 30 minutes
- c. Transportation Requirement: Man Portable

## II. Global Response Force Assets: (con't):

### Early Entry Package (EEP)



**UTC:** 6JM20

**Personnel:** 4 (4 NCOs)

**Mission Capability Statement:**

The EEP provides voice, video and data service for either initial entry communications or a small deployed node supporting up to 40 PAX. Each case is transportable on commercial airlines. The system can provide four data networks (e.g. NIPR, SIPR, WWW, and JWICS when called out) that are configurable based on user requirements. It is fully modular and scalable up to a JTF-sized headquarters.

<b>ITEM NOMENCLATURE</b>	<b>QTY</b>	<b>L</b>	<b>W</b>	<b>H</b>	<b>WEIGHT</b>	<b>SHORT TONS</b>
1. Voice Module	1	24.90	19.70	14.40	69	
2. Enclave Module	3	24.90	19.70	14.40	59	
3. Laptop Case	1	31.30	20.40	15.40	53	
4. HAIPE Case	1	16.20	12.70	6.60	10	
<b>TOTAL:</b>					<b>309</b>	

**Logistical Support Items:**

- a. Power Generation: 90-264 VAC, 1 phase, 47-63Hz
- b. Mission Capability Time: 2 hours
- c. Transportation Requirement: 1/2 ton truck or equivalent

### III. Geographic Command JCSE Detachment Assets:


#### Rapid Response Kit (RRK)

UTC: 6JC2R

Personnel: 2 (2 NCOs)

#### Mission Capability Statement:

The RRK configuration provides the customer a highly mobile, stand-alone C2 capability for use by first responders and small control teams in a broad range of missions. RRK supports 2-15 operator positions with voice and data services to conduct C2 and collaboration activities simultaneously on two of four DJC2-supported networks (Secret Internet Protocol Network (SIPRNET), Non-Secure Internet Protocol Network (NIPRNET), Multinational Information Sharing-Combined Enterprise Regional Information Exchange System (MNIS-CENTRIXS), or Internet) by reaching back to Defense Information Systems Network (DISN) services via Defense Information Systems Agency (DISA) Teleports or to a base station co-located with a deployed DJC2 Core or Early Entry configuration. It can be transported by two persons as carry-on and checked baggage on commercial or military aircraft. The RRK design is Internet Protocol (IP)-based, and includes a remote kit whose primary design consideration is assured access to DISA Teleport services via the DISN – Tactical Edge (DISN-TE). System may be employed with a Broadband Global Area Network (BGAN) terminal for limited through put.

Case	Description	Length (Inches)	Width (Inches)	Height (Inches)	Volume (Cubic Feet)	Weight (pounds)	DJC2 Configurations			
							Commander's Pkg	Full Pkg	Optional Equipment	
<a href="#">Case-001</a>	IPT-i MIL Baseplate	30.62	24.39	10	4.32	82.00		X		
<a href="#">Case-002</a>	IPT-i MIL Feed arm and accessories	30.62	24.39	10	4.32	83.00		X		
<a href="#">Case-003</a>	Communications Case	19.2	15.2	7.3	1.23	35.00	X	X		
<a href="#">Case-004</a>	Auxiliary Case	21.7	14.1	8.9	1.58	35.00	X	X		
<a href="#">Case-005</a>	Expansion Case	24.6	19.7	11.7	3.28	46.00		X		
<a href="#">Case-006</a>	VTC Case	21.2	16	8.3	1.63	25.40			X	
<a href="#">Case-007</a>	Laptop Computer Case	31.28	24.21	17.48	7.66	69.00			X	
<a href="#">Case-008</a>	Backpack Case	31.28	24.21	17.48	7.66	70.00			X	
<a href="#">Case-009</a>	CCI Case	16.2	12.7	6.6	0.79	20.00	X	X		
Totals	Commanders Pkg					3.59	90			
	Full Pkg					15.52	301.00			
	Optional Equipment					16.95	164.40			
	Cases 1 through 9					32.47	465.40			

#### Logistical Support Items:

- a. Power Generation: 110-240 VAC, 1 phase, 50/60Hz, 2kVA
- b. Mission Capability Time: 30 minutes
- c. Transportation Requirement: Man portable

### III. Geographic Command JCSE Detachment Assets (con't):

#### JCSE's - Early Entry Package (EEP)



**UTC:** 6JM20

**Personnel:** 4 (4 NCOs)

**Mission Capability Statement:**

The EEP provides voice, video and data service for either initial entry communications or a small deployed node. Each case is transportable on commercial airlines. The system can provide four data networks (e.g. NIPR, SIPR, and WWW, JWICS when called out) that are configurable based on user requirements. It is fully modular and scalable up to a JTF-sized headquarters.

<b>ITEM NOMENCLATURE</b>	<b>QTY</b>	<b>L</b>	<b>W</b>	<b>H</b>	<b>WEIGHT</b>	<b>SHORT TONS</b>
1. Voice Module	1	24.90	19.70	14.40	69	
2. Enclave Module	3	24.90	19.70	14.40	59	
3. Laptop Case	1	31.30	20.40	15.40	53	
4. HAIPE Case	1	16.20	12.70	6.60	10	

**TOTAL: 309**

**Logistical Support Items:**

- a. Power Generation: 90-264 VAC, 1 phase, 47-63Hz
- b. Mission Capability Time: 2 hours
- c. Transportation Requirement: 1/2 ton truck or equivalent

### III. Geographic Command JCSE Detachment Assets (con't):

Mini-Core (v.1)

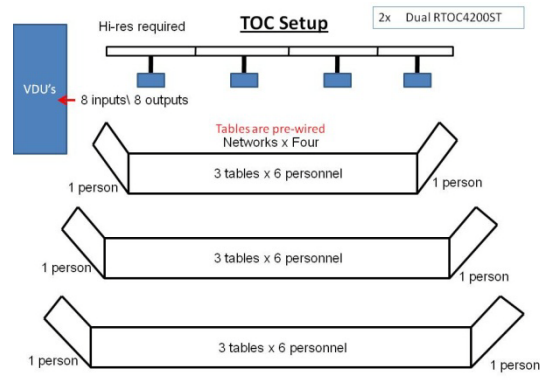
(SOUTHCOM currently has one fielded; EUCOM & AFRICOM will be fielded in FY 11)

UTC: TBD

Personnel: 7

Mission Capability Statement:

1. The Mini-Core builds upon the EEP, adding the following:
  - a. A ‘start-up’ Joint Operations Center (JOC) and INTEL center to include pre-wired tables that address all requirements for physical separation between secure and non-secure networks.
  - b. An integrated audio-visual suite that allows centralized management of all tactical displays as well as centralized control of all feeds.
  - c. A ‘TOC-in-a-BOX’ approach that provides Plasma and Proxima screens in a protected container; screens can be installed in less than five minutes per system.
  - d. Includes a tent, Heating, Ventilation, & Air Conditioning (HVAC), and power generation equipment required to operate in an austere environment if necessary.

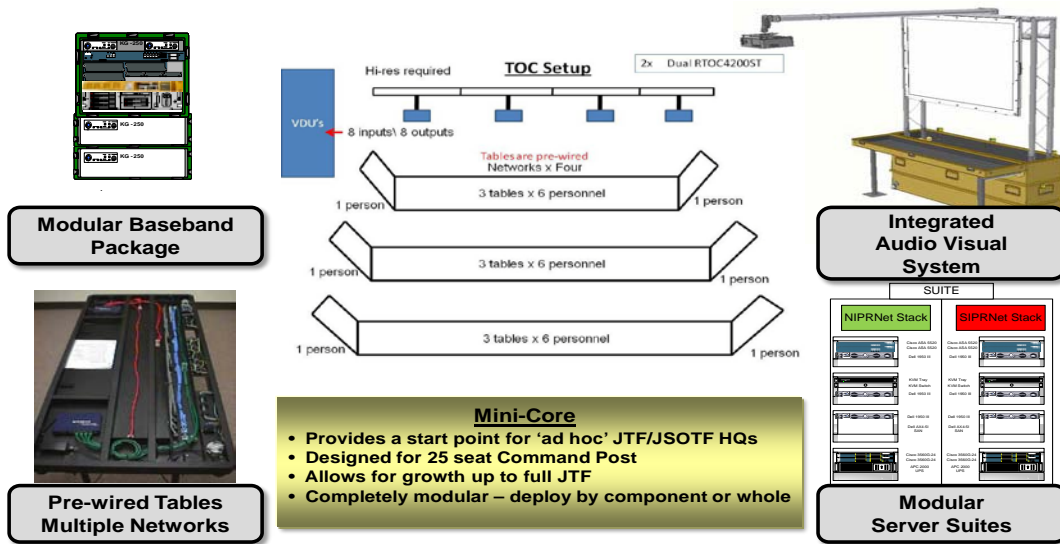


The package can support an initial 20-30 seat JTF/JSOTF Headquarters with the customer providing all end user devices (ie computers/laptops, phones, printers, etc). All network services (email, applications, etc) are provided through web-access or VPNs to the user’s home unit (ie Outlook web access). The “mini-core” can be transported in a single C-130 aircraft (3 pallets).

Package	Users Supported	Provides tent, power, HVAC, tables	JOC/TOC equip provided	Provides user equip	Provides Servers	Transportation requirements
Mini-Core	26 *	Yes	Yes	No	No	1 x C-130

\* 26 prewired users with tables and chairs. Port density can support additional users if needed.





**ITEM NOMENCLATURE QTY Size (cu in): WEIGHT SHORT TONS**

1. Mini Core Pallet 3 255 6295\*

\*Total for all 3ea C-130 pallets

**TOTAL: 6295**

**Logistical Support Items:**

- a. Power Generation: 90-264 VAC, 1 phase, 47-63Hz
- b. Mission Capability Time: 3 hours
- c. Transportation Requirement: 1/2 ton truck or equivalent

### III. Geographic Command JCSE Detachment Assets (con't):

#### Deployable Joint C2 Core (DJC2):



**UTC:** 6JC2E

**Personnel:** 12-20

**Mission Capability Statement:**

A fully fielded DJC2 system includes: power; environmental control; shelters; infrastructure; trailers; limited communications equipment (to support en route, early entry and rapid response operations only); GOTS C2 and commercial office automation and collaboration software applications with operator workstations; displays; intercommunications; local area networks; and access to wide area networks. The system provides the interfaces with both DoD and commercial communication pathways to allow the JFC to receive and disseminate information.

The *Early Entry* configuration uses organic DJC2 assets to support a small JTF early entry forward command operations center of a command element typically consisting of 20-40 operator positions with standard network services and ground-based organic communications. The *Core* configuration (which includes the other configurations) supports a small-scale JTF staff of 60 operator positions. Capabilities are realized through organic servers and subsystems, whose numbers are reduced as reach-back is made more robust. Logistically, use of the Core must take in consideration the Early Entry as it is the base for the Core. Although the EE can deploy independently of the Core, the reverse is not true. The EE will always deploy with the Core.

Item #	Cargo Item Description	Length	Width	Height	Weight (POUNDS)	TOTAL STONS
1	CORE 60 KW TRAILER 2	168	88	92	4000	2
2	CORE 60 KW TRAILER 4	168	88	92	4000	2
3	CORE 60 KW TRAILER 6	168	88	92	4000	2
4	EE 35KW 8TN TRAILER 1	160	86	74	4200	2.1
5	EE 35KW 8TN TRAILER 7	160	86	74	4400	2.2
6	EE 60KW TRAILER 3	168	88	92	4200	2.1
7	EE 60 KW TRAILER 5	168	88	92	4200	2.1
1	CORE DUAL 8TN ECU TRAILER 2	148	85	75	4600	2.3
2	EE DUAL 8TN ECU TRAILER 1	148	85	75	5000	2.5
1	CORE PALLET 1	88	108	94	3400	1.7
2	CORE PALLET 2	88	108	94	4000	2
3	CORE PALLET 3	88	108	84	2200	1.1
4	CORE PALLET 4	88	108	94	3600	1.8
5	EE PALLET 1	88	108	94	3200	1.6
6	EE PALLET 2	88	108	94	3200	1.6
7	EE PALLET 3	88	108	94	5000	2.5
8	EE PALLET 4	88	108	94	4800	2.4
9	EE PALLET 5	88	108	94	6200	3.1
10	EE PALLET 6	88	108	94	4600	2.3
<b>19</b>				<b>TOTAL</b>	<b>78,800</b>	<b>39.4</b>

**Logistical Support Items:**

- a. Power Generation: 110-240 VAC, 1 phase, 50/60Hz, 3kVA
- b. Mission Capability Time: 18 – 36 hours
- c. Transportation Requirement: Early Entry: 6ea C-130 or 2ea C17  
Core: 5ea C-130 or 2ea C17; with Vehicles: 11ea C-130 or 4ea C17

### III. Geographic Command JCSE Detachment Assets (con't):

#### DJC2 En Route System:



**UTC:** 6JC2N

**Personnel:** 6

#### **Mission Capability Statement:**

Each duty position can access up to two networks simultaneously, and each operator has access to UHF/VHF line of sight radios, and secure UHF SATCOM. DJC2 ER clients have organic capability to operate within a collaborative information environment (CIE) utilizing DISA-approved collaboration tools common with the ground-based DJC2 systems and reachback locations.

The DJC2 En Route Configuration AN/USQ-199(V) System Operating Considerations

- The ER package is capable of operating on standard aircraft power (115 Vac/400 Hz) and on globally available 110-240 Vac/50-60 Hz power sources for ground operations.
- DJC2 ER networks access the GIG via reachback across INMARSAT radios that employ a bonded and compressed protocol that enables a 256 kbps data transfer rate.
- UHF SATCOM access is enabled by DoD satellite up/down links.
- DJC2 ER communications are dependent on the host aircraft being “pre-groomed” with the appropriate antenna configurations for INMARSAT, line of sight (LOS) UHF/VHF, and UHF SATCOM.
- The ER package can be marshaled from short-term storage and ready for aircraft installation within 3 hours of notification.

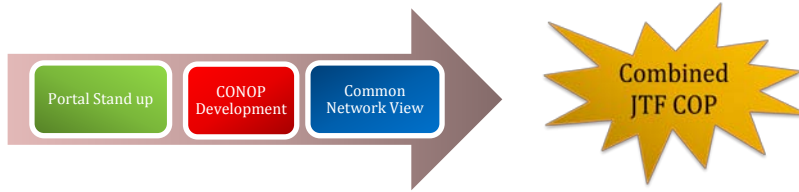
<b>Item #</b>	<b>Cargo Item Description</b>	<b>Length</b>	<b>Width</b>	<b>Height</b>	<b>Weight (POUNDS)</b>	<b>TOTAL STONS</b>
1	PLANNERS CONSOLE PALLET 1	88	108	58	1495	0.7
2	PLANNERS CONSOLE PALLET 2	88	108	58	1495	0.7
1	ROLLER CART W/O PALLET	60	30	58	1035	0.5
2	VIPER II INMARSAT	29	29	28	155	0.1
3	VIPER II GROUND ANTENNA	23	16	25	71	0.04
4	UHF SATCOM ANTENNA	39	13	16	43	0.02
5	UHF SATCOM ANTENNA 2	39	13	16	43	0.02
6	1553 BUS & CABLE	21	22	9	42	0.02
7	LAPTOPS & ACCESSORIES	35	24	19	103	0.1
8	LAPTOPS & ACCESSORIES 2	35	24	19	105	0.1
9	UHF SATCOM ANTENNA CABLE	25	19	14	36	0.02
10	CONTROLLED CRYPTOGRAPHIC ITEMS	25	19	14	70	0.04
11	PACK UP KIT	25	19	14	51	0.03
12	UHF SATCOM HATCHMOUNT	38	34	25	107	0.1
13	INMATSAT HATCHMOUNT ANTENNA	38	34	29	120	0.1
14	POWER ADAPTER MODULE	50	1	2	50	0.03
<b>16</b>				<b>TOTAL</b>	<b>5,021</b>	<b>2.5</b>

**Logistical Support Items:**

- a. Power Generation: (115 Vac/400 Hz) ; 110-240 Vac/50-60 Hz
- b. Mission Capability Time: 90 min once loaded on the aircraft
- c. Transportation Requirement: approved C17 / C-130

## IV. Additional JCSE C2 Capabilities:

### Deployable Net Ops Team



**UTC:** 6JC39 (*\*will be fully fielded in Spring FY 11*)

**Personnel:** 5 (1 Officer, 1 SNCO, 3 NCOs)

**Mission Capability Statement:** The Deployable Network Operations Team serves as the Joint Network Control Center (JNCC) for the initial stages of a JTF operation. The JNCC combines a Joint C4 Common Operational Picture and C4 Portal to give the JTF/J6 a single focal point for communications situational awareness and reporting. Once officially tasked with the mission, JCSE will draft a Joint C4 CONOPS that will be tailored to the COCOM C4 reporting structure and routed to the COCOM/J6 for approval. The initial JNCC structure is designed at MacDill, AFB while the forward element is en-route to the JTF Area of Operations. Once the forward JNCC element attains FOC status, the mission is transferred to the tactical location until relieved by follow-on forces.

ITEM	NOMENCLATURE	QTY	L	W	H	WEIGHT	SHORT TONS
1.	JNCC	1	88	108	60	3,219	1.6
	<b>TOTAL:</b>					<b>3,219</b>	<b>1.6</b>

### **Logistical Support Items:**

- a. Power Generation: 110-240 VAC, 1 phase, 50/60Hz, 2kVA
- b. Mission Capability Time: 2 hours
- c. Transportation Requirement: 2 2.5 ton van/truck or equivalent

#### IV. Additional JCSE C2 Capabilities (con't):

GBS Manpack AN/PRS-11:



**UTC:** 6JA31

**Personnel:** 1

**Mission Capability Statement:**

The AN/PRS-11 is a two enclave (classified or unclassified) suitcase portable receive suite that receives information products broadcast through the Global Broadcast Service (GBS) via the Ka-band transponders in Ultra-High Frequency Follow-on (UFO) military satellites and via the wideband Global Satcom (WGS) Ka-band downlink transponders. The SPRS provides the reception of one-way transmissions of video, data, imagery, theater and national level intelligence for support of joint forces. The SPRS can be operated in a stand-alone mode or it can be connected to classified or unclassified Local Area Networks (LANs) to distribute products to numerous end users. The SPRS consists of two major assemblies: Portable Receive Terminal (PRT) and Portable Receive Broadcast Manager (PRBM).

<u>ITEM NOMENCLATURE</u>	<u>QTY</u>	<u>L</u>	<u>W</u>	<u>H</u>	<u>WEIGHT</u>	<u>SHORT TONS</u>
1. GBS Manpack, AN/PRS-11	1	20	8	10	25.43	

**TOTAL: 25.43**

**Logistical Support Items:**

- a. Power Generation: 115 VAC 60Hz, 220 VAC 50Hz, 28VDC
- b. Mission Capability Time: 30 minutes
- c. Transportation Requirement: Man Portable

#### IV. Additional JCSE C2 Capabilities (con't):

##### Tactical Server Light (TSL)



**UTC:** 6JA35

**Personnel:** 1

**Mission Capability Statement:**

The TSL provides firewall protection through the Cisco ASA 5505; adds a proactive threat defense preventing malicious attacks before they spread throughout the network, controls network activity and application traffic, and delivers flexible VPN connectivity for up to ten site to site connections. Provides for an external Domain Name Service (DNS) using a thin client, M10-Z010, which reduces both the size and weight of the current solution without eliminating separate DMZ requirements.

<b>ITEM NOMENCLATURE</b>	<b>QTY</b>	<b>L</b>	<b>W</b>	<b>H</b>	<b>WEIGHT</b>	<b>SHORT TONS</b>
1. TSL with Case	1	22	17.0	12.7	48.5	

**TOTAL: 48.5**

**Logistical Support Items:**

- a. Power Generation: 115 VAC 60Hz, 220 VAC 50Hz, 28VDC
- b. Mission Capability Time: 30 minutes
- c. Transportation Requirement: Man Portable

**V. Initiatives:**

JCSE's – Joint Mobility Package (JMP) – **PROJECTED SUMMER 2011**



**UTC:** 6JMXX

**Personnel:** 1 (1 NCO)

**Mission Capability Statement:**

The JMP is a strategically employed Everything over Internet Protocol (EoIP) architecture using a converged capability to distribute DISN-TE services to the deployed user while providing world-wide reach back functionality. The KLAS Router Version 2.0 integrated with the Juniper SSG 5 provides red side SIPRNet traffic and the KLAS 2150 Router provides encrypted NIPRNet services to the end user. This integrated solution provides a converged VoIP, NIPRNet, SIPRNet, and VoSIP output via the Juniper SSG 5 Firewall. Both VoIP and VoSIP are provided via long local services from the DISN-TE or tactical reach back network.

<b>ITEM NOMENCLATURE</b>	<b>QTY</b>	<b>L</b>	<b>W</b>	<b>H</b>	<b>WEIGHT</b>	<b>SHORT TONS</b>
1. Communications Case	1	21.70	14.10	8.9	40	0.02
2. Ancillary Case	1	21.70	14.10	8.9	26	0.013

**TOTAL: 66**

**Logistical Support Items:**

- a. Power Generation: 90-264 VAC, 1 phase, 47-63Hz
- b. Mission Capability Time: 2 hours
- c. Transportation Requirement: 1/2 ton truck or equivalent