This Brief is Classified:

UNCLASSIFIED/FOUO

Communications Systems Directorate, J6

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JTF-CS/J6

Agenda

- **J6 Mission / Vision / Goals / Tasks**
- **Deployable Communications Capabilities**
- **Concept of Employment**
- **Manning**

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J6 Mission/Vision Statement

Mission Statement

Provide, operate, maintain, and manage communications systems, and provide communications planning expertise to support JTF-CS' **daily mission**, of planning and integrating DOD support to the primary and coordinating federal agencies for domestic CBRNE consequence management (CM) operations, as well as its **mission to deploy** and execute **timely and effective command and control** of designated DOD forces providing support to civil authorities to save lives, prevent injury, provide temporary critical life support.

Vision Statement

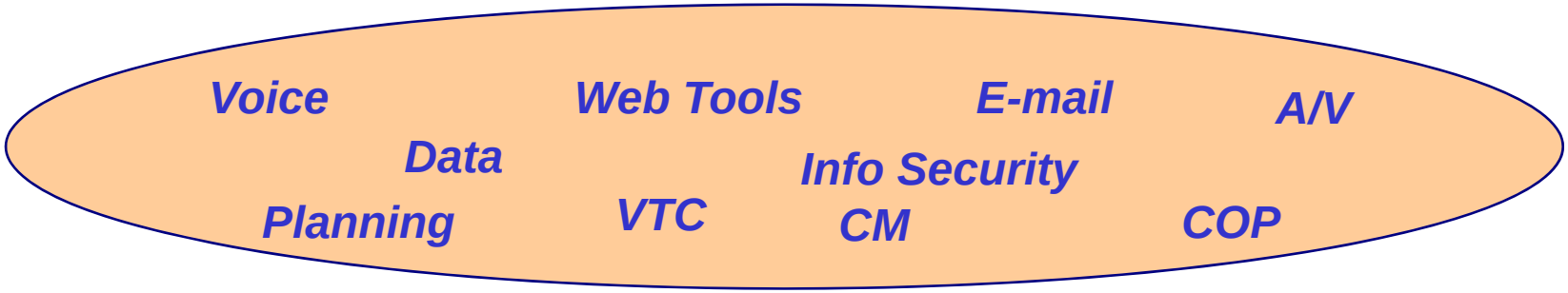
Leverage technology and available resources to ensure JTF-CS has **uninterrupted access to critical information** to facilitate **garrison CBRNE planning** and **deployed CBRNE operations**.

J6 Key Tasks

- **Ensure readiness of deployable comm systems**
- **Serve as member of Command Assessment Element (CAE) and Joint Planning Group (JPG); assist with drafting Commander's Estimate**
- **Provide communications planning expertise to the deliberate and crisis action planning processes**
- **Establish connectivity and direct JTF-CS comm support in a deployed environment during CM event/operations**
- **Establish and manage Joint Network Operations (NetOps) Control Center (JNCC) to direct the operation of DoD comm resources in JOA**
- **Ensure interoperability of comm systems to facilitate CM ops**
- **Participate in the Joint Reception Center (JRC) JRSOI process to ensure responding units receive updated comm plans**
- **Facilitate the J3-led command information management efforts**
- **Direct JTF-CS in-garrison comm systems support**

J6 Focus Areas / Functions

- **Steady State/Garrison**
- **Deployable Teams**
- **Forward Command Post Operations**
- **Task Force C4 Coordination**
- **Mission Assignments – ESF-2 Support**



Key to the success of each function is
the integration of new technology and proper manning!

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Current Deployable C4 Capabilities

C2 Vehicle

Supports Commander, JTF-CS & NSAT

- 2 Personnel (Plus Driver)
- Secure/non-secure data and voice (PSTN/DSN/STE)
- Tactical Voice (LMR, UHF radio)
- Satellite TV, Radio, and GPS
- Spectrum Requirements: INMARSAT, IRIDIUM, PRC-117F, DSS TV, XM Sat Radio, UHF/VHF Intra Squad, Scanner, 800Mhz, Incident Command Radio Interface (ICRI) node

TACPAC Light
GCS – Vanguard

Supports CJTFCS/JPAC/JRC/LNOs (up to 5 people)
(Executive Comms)

- 1 Box/Bag Solution @ 45 lbs
- 15 – 30 Minute Setup (Manual Point Dish)
- 64 Kbps
- SIPR/NIPR/Phones (User selected service)
- On Demand bandwidth (commercial)

• 4 systems on hand

TACPAC Medium
GSI - Auto-Explorer 1.2Meter

Supports CAE/JPAC (up to 30 people)

- 8 Case Solution @ 45/90 lbs each
- 30-45 Minute Setup (Auto Point Dish)
- 1.5 Mbps (Surge Capacity Available to 2.5Mbps)
- SIPR/NIPR/Phones/VTC (Simultaneously)
- 24/7 Availability of bandwidth (DISA)

• 3 systems on hand

TACPAC Heavy
Modular Data/Voice Package – 2.4Meter USC60A

Supports Forward CP (> 200 people); Extends garrison services to JOA

- 3 Pallets
- 2 Hour Setup/CP Services within 12 Hours
- 2.5 Mbps/5+Mbps (Satellite Initial/Terrestrial Augmentation)
- NIPRNET/SIPRNET/Phones (PSTN/DSN/DRSN)
- Tactical radios
- VTC/Audio-visual/Direct Broadcast TV
- TRI-BAND/TDMA/FDMA Capable with USC-60. Ku TDMA with SWEDISH

Team Deployable C4

Deployable Team	C4 Tools	Key Capabilities	Transport and Setup Reqts	CONOPS Issues
LNO **(Executive Comms)**	TACPAC (Lite) Cell Phones, Blackberrys, Aircards **GCS-Vanguard (INMARSAT)** **BGAN/Dataline (JEMPRS)**	Web-based services 64Kbps – 448Kbps 5 pers One service / time Multi-Service / time	**1 box/bag** **@45lbs** 15-30 min setup (Commercial)	1st option: LNOs will attempt to tie in with supported agency
JPAC / JTAC / JRC / JRSOI **(Exec Comms +)**	TACPAC (Lite / Med), Cell Phones, SVTC, Blackberrys, Aircards **GCS-Vanguard (INMARSAT)** **SWEDISH (USC-68)** **BGAN/Dataline (JEMPRS)**	Web-based services SVTC 64 Kbps – 5 Mbps 5-30 persons	**Up to 8 cases** **@45/90lbs each** 15-45 min setup (Comm / DISA Ku)	1st option: JPAC will attempt to tie in with supported agency
NSAT (CAE)	TACPAC (Medium), Cell Phones, Blackberrys, Aircards, SVTC, C2V **(C2OTM)** **GSI - Auto-Explorer-1.2M** **SWEDISH (USC-68)**	Web-based services Tactical radio SVTC 1.5 Mbps – 5 Mbps 30 persons	**Up to 8 cases** **@45/90lbs each** 30-45 min setup (DISA Ku)	Deployable within 4 hours, web-based access only, ***TCAMO, C-17, C-130, C-5, Commercial Air***
Forward Command Post **W4W** **GBS** **ICE-S/DCT**	TACPAC (Medium / Heavy), Cell, Blackberrys, Aircards, DCT, GBS, SVTC, C2V **Mod Data/Voice USC-60A** **SWEDISH (USC-68)**	Web-based and local services SVTC 2.5 Mbps – 5 Mbps >200 persons	**3 pallets** 2 hour initial setup 12 hrs for full setup W4W (DISA Ku)	Tailorable - Medium or Heavy config depends on msn & transport available ***C-17, C-130, C-5***

Note1: During CBRNE Event, cellular, blackberry & aircards capabilities may not be available
Note 2: MECL with EOIP – most services are available simultaneously with EOIP

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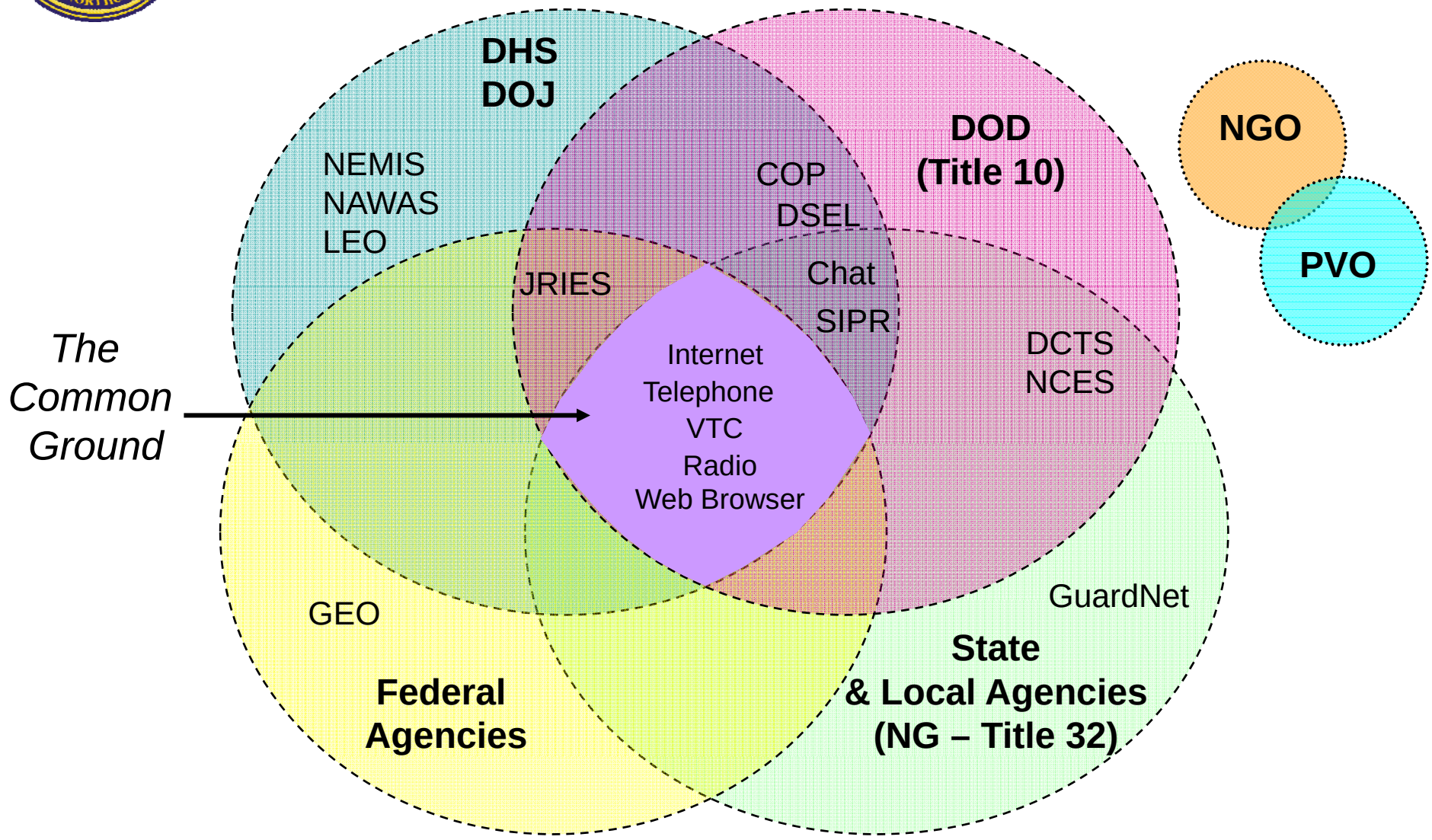
JTF-CS Comm Concept of Employment

Layered approach to communications for JTF-CS:

- Connectivity through base support installation
- GETS / WPS Cards
- Pager/Cell/Blackberry
- Wireless (Air) Cards
- Iridium
- Tactical Radio (HF, UHF)
- INMARSAT-based Light Tactical Augmentation Packages
    - BGAN upgrade
- KU-band Satellite Medium Tactical Augmentation Packages
- Multi-band Satellite Heavy Comms / Heavy Tactical Augmentation Package
- Wireless for the Warfighter (802.16 and 802.11)
- Terrestrial Comms (T1 available w/in 14-45 days)
    - Other…Cox Cable (researching legalities)
- ICE-S (Deployable Cell Tower)
- GBS – Streaming Media capability (FMV)

The Challenge of Disaster Relief



Numerous Players, Systems, Domains, and Enablers

CBRNE CM Response Force (CCMRF)

JTF-CS provides command and control, and coordination for the following types of tasks and requirements

JTF-CS

HQ Augmentation

- Tech Aug
  - Signal
  - Mapping
  - Modeling
- Public Affairs

TF Operations Incident Site Support

- Extraction of Injured
- Decontamination
- Surveying, Monitoring
- Security and Protection
- General Support Log
- JRSOI
- Mortuary Affairs

TF Medical

Medical Support

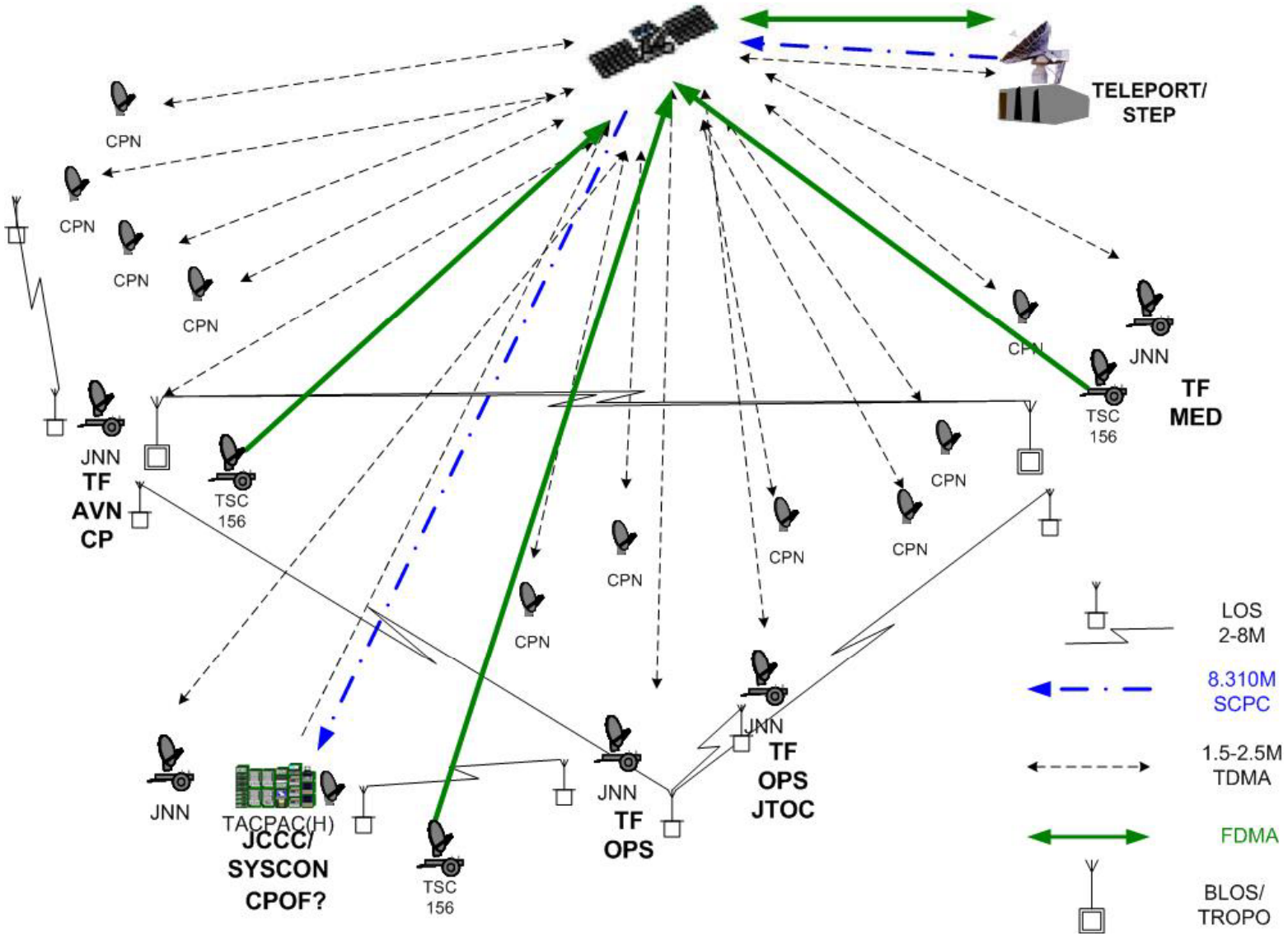
- Triage /Treatment
- Hospital Augmentation
- Agent Technical Support
- Veterinary Support
- Prophylaxis/Immunization
- DHHS Support
- SNS Distribution

TF Aviation

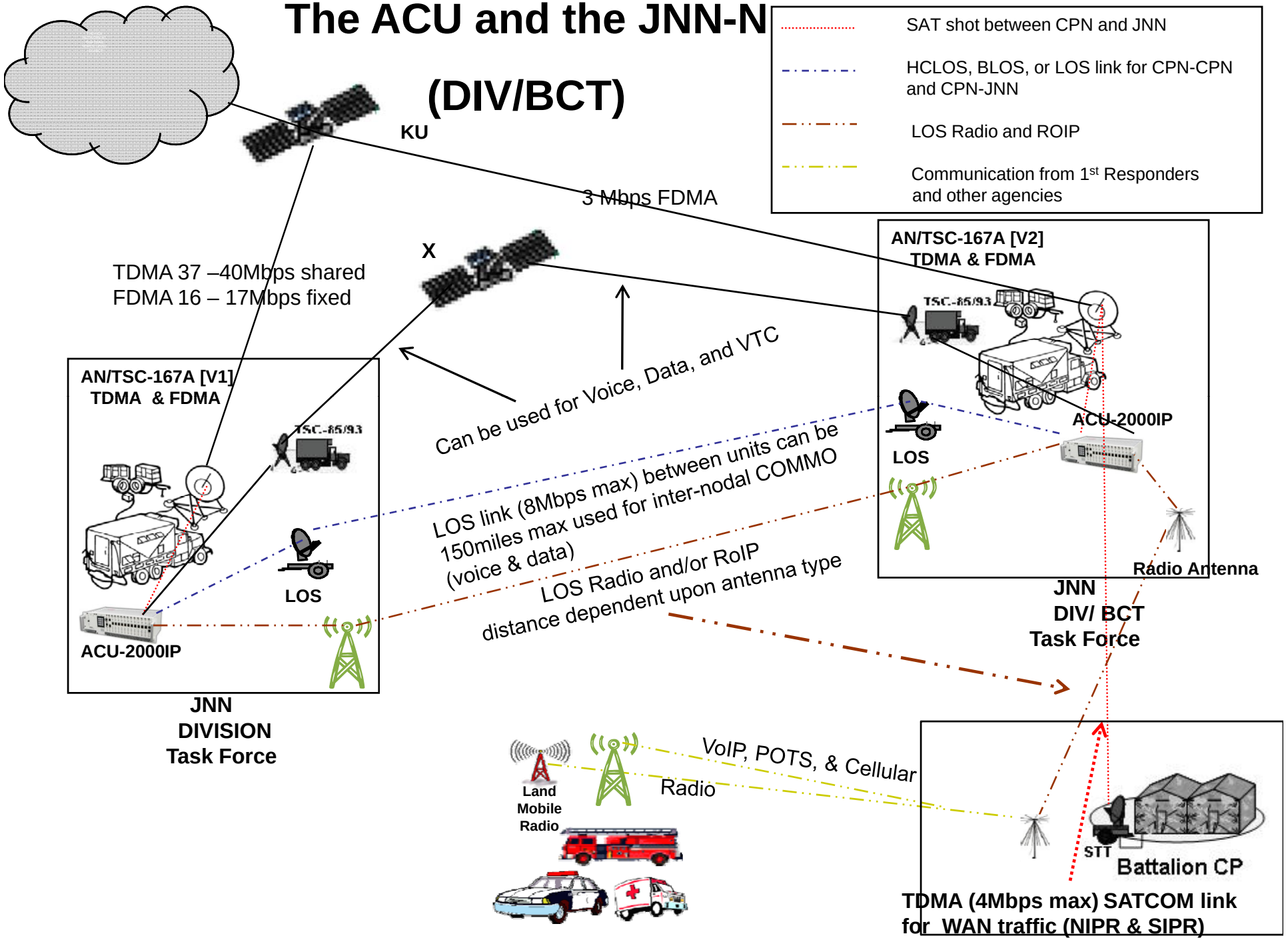
Aviation Support

- A2C2 (Rotary)
- Gen Avn Support
- Search and Rescue
- CASEVAC/MEDEVAC
- Aviation Maintenance

JOA SATCOM ARCHITECTURE

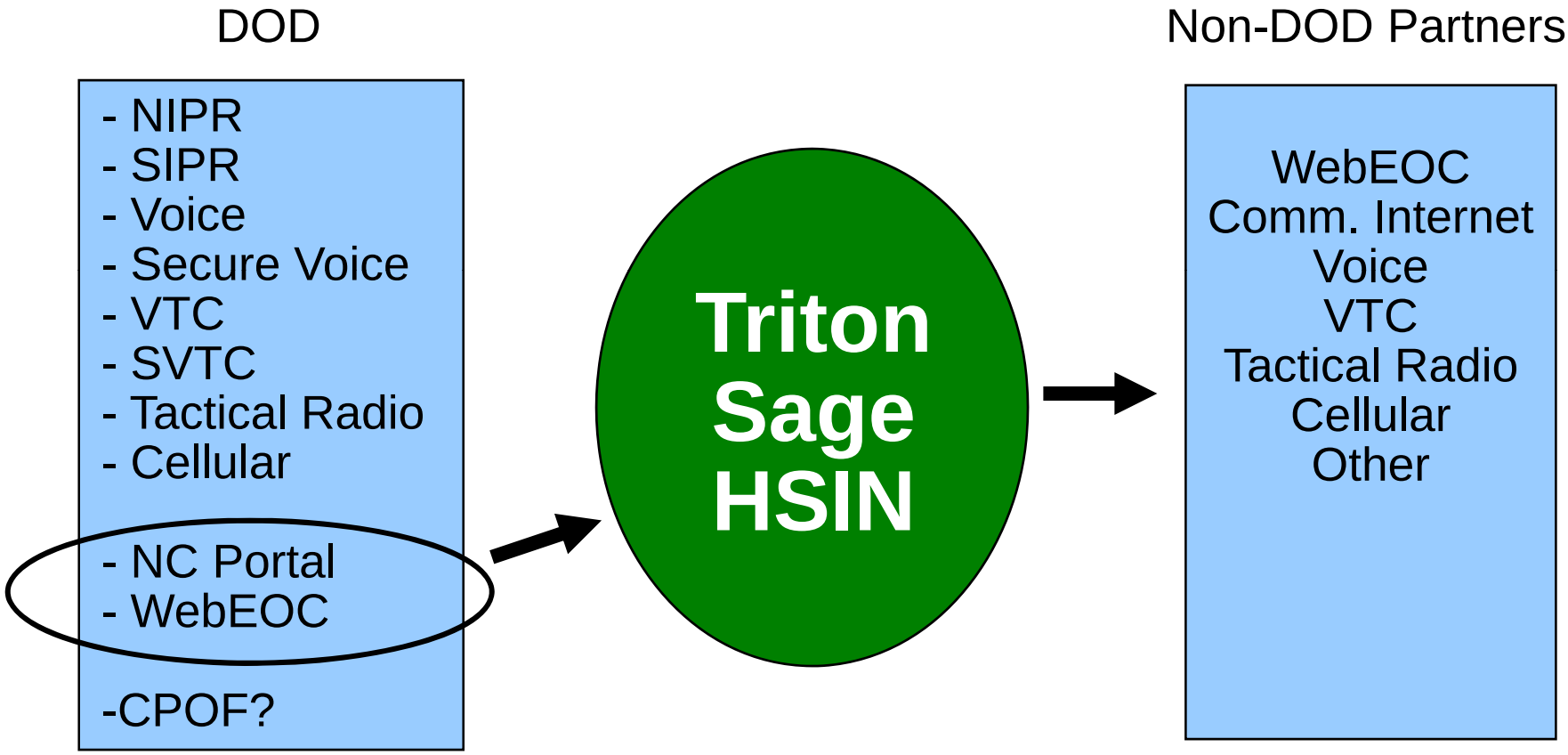


The ACU and the JNN-N (DIV/BCT)



Information Sharing

Operational Level - COP



COP = GIS + Documents

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J6 Organizational Structure

As of 16 Oct 08

Type	Auth	Asgnd
JTD	8	7
Ctrs	22	20
JTMD	8	1
Augmentees		8
	38	36

JTD/AD Mil/Civ
Contractors
USAF IAs
JTMD/Reserve
Vacant

J6
Lt Col Henrich

J6D
Ms. West (GS-13)

Plans - J65
MAJ Stone

Ops/JCCC - J63
LT McEnerney

Task Force LNOs

C4 Plans (JPG) (2)
Mr. Barber
*** Vacant ***

Net Integ / Freq Mgt (1)
Mr. Theall

Comm / Net Eng (3)
Mr. Hommel
Mr. Rosedale
Mr. White

C4 Planner (IA)
Maj Eaddie

JCCC
Watch Officer (IA)
Capt Lounsbury

NCOIC NetOps
MSgt Spencer

Firewall Admin (1)
Mr. Ward

VTC and A/V (1)
Mr. Bryson

IA/CM (2)
Mr. Summers (IA)
Ms. Leaphart (CM)

Info Security (1)
*** Vacant ***

Dom/Exchg Adm (3)
Ms. Bittenbender
Mr. Foley
Ms. Pomee

Web / DB Eng (2)
Mr. Kepley (DB)
Mr. Dowdy (Web)

Help Desk / Inventory
Sys Admin (5)
Ms Turley
Mr McAlister
Mr Ebright
Ms Houchins
Mr Smith

JCCC
Watch Officer (IA)
Capt Owens / Capt Malaska

NCOIC Deployed Ops
*** Vacant ***
EAD: 30 Jan 09

Comm Tech (1)
IT2 Townsend

Tactical Radios (2)
TSgt Tomarchio (IA)
TSgt Ferguson (Cat E)
2E1X3 – JTMD
2E1X3 - IA

Transmission (2)
IT1 Johnson
Mr. Wright

Comm Techs / Trans
Net Config (4 - IA)
TSgt Foultz
TSgt Trapp
TSgt Tupper

3C2X1
2E2X1 – 2
3C0X1

Alpha Crew
NSAT (2)
DST (2)
JPG (2)

JTMD Position	Rank	Filled	$$$
Switch Tech (A)	E6	No	No
SATCOM Tech (F)	E6	No	Yes
Radio Tech (F)	E6	Yes	Yes
Tactical Radio (A)	E6	No	No
C4 Plans Officer (A)	O4	No	Yes
Radio Chief (M)	E7	No	Yes
ADP Sys Admin (N)	E6	No	Yes
ADP Sys Admin (N)	E5	No	Yes

Questions?