



DTOS

**THE DEPLOYABLE TACTICAL
OPERATIONS SYSTEM (DTOS)**



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AGENDA

- What is DTOS?
- Mission
- Recapitalization
- Assets
- DTOS Operations



DTOS Defined

A multi-level national emergency response system strategically located within USACE Divisions to provide timely tactical support for CONUS and OCONUS emergency response operations.



MISSION

Provide a tactical operations and communications platform in forward areas to support rapid ramp-up of initial emergency response missions.



ASSETS

- Emergency Command and Control Vehicle (ECCV)
- Mobile Communications Vehicle (MCV)
- Containerized Tactical Operations Center (CTOC)
- Emergency Support Unit (ESU)



ECCV Layout & Capabilities

- Network Connectivity (LAN/WAN)
 - ▶ For up to 25 computers
- Backup Computers (4)
- Multi-function Phones (11)
 - ▶ VOIP – VSAT based
 - ▶ Cellular – provides fax capability
 - ▶ Iridium – voice only
 - ▶ Radio (ACU1000)
- VHF Handheld Radios (8)
- HF/UHF/VHF Radios
- BGAN (Voice & Data)
- Multi-function Printer
- Laser Printer
- Wireless AP/Bridge
- Onboard Generator



ECCV



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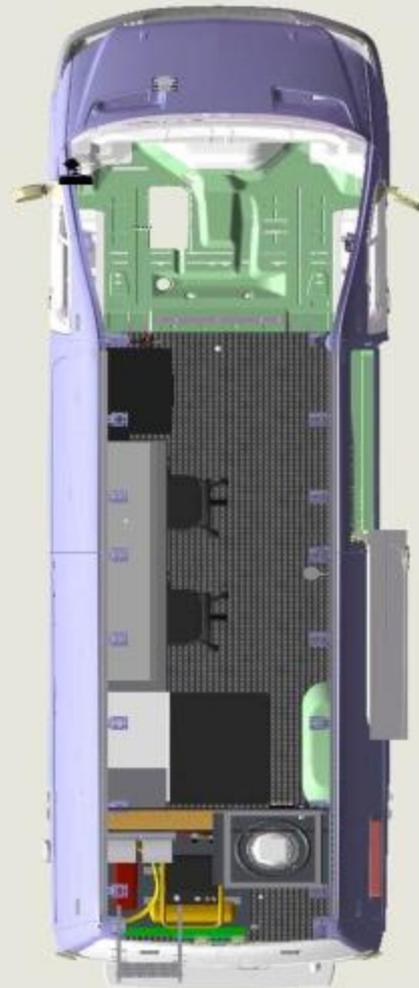
ECCV Interior



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MCV Layout & Capabilities

- Network Connectivity (LAN/WAN)
 - ▶ For up to 25 computers
- Backup Computers (2)
- Multi-function Phones (2)
 - ▶ VOIP – VSAT based
 - ▶ Cellular – provides fax capability
 - ▶ Iridium – voice only
- VHF Handheld Radios (6)
- HF Radio
- BGAN (Voice & Data)
- Multi-function Printer
- Wireless AP/Bridge
- Onboard Generator



MCV



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CTOC Capabilities

- Network Connectivity (LAN/WAN)
 - ▶ For up to 25 computers
- Backup Computers (6)
- VOIP – VSAT based (6)
- Iridium – voice only
- BGAN (Voice & Data)
- VHF Handheld Radios (25)
- HF/VHF Radios
- Multi-function Printer
 - ▶ Fax
 - ▶ Scanner
 - ▶ Printer
 - ▶ Copier
- Wireless AP
- Generator (Two - 3500W)



ESU

- Extra Fuel Supply
- Generator
- Tools
- Supplies
- Computer
- TV
- Air Conditioned
- One Chase Vehicle (F250-dually)
- One Support Trailer (28ft)
- Total length 47ft



MISSIONS

- **Emergency Command and Control Vehicle**
 - ▶ Primarily used to support PRTs
- **Mobile Communications Vehicle**
 - ▶ Used to provide communications support to available workspace (i.e. leased office space, motel, etc.)
- **Containerized Tactical Operations Center**
 - ▶ Same capabilities as MCV but containerized for OCONUS deployment
- **Emergency Support Unit**
 - ▶ Used to support ECCV and MCV to sustain operations



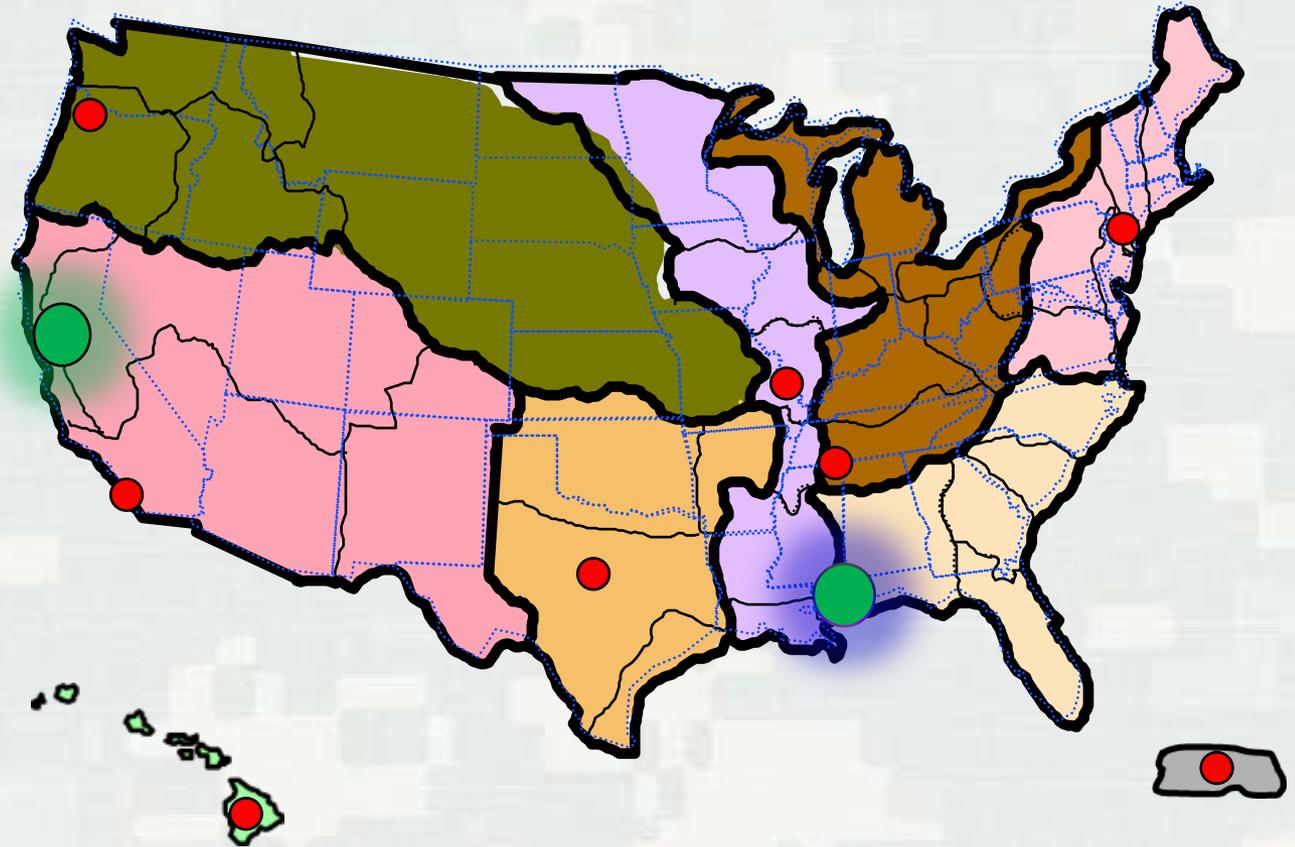
CAPABILITIES

	VSAT	RADIO	INTEROPERABILITY	BGAN	IRIDIUM	SATTV	WORKSTATIONS	OP TIME
ECCV	X	X	X	X	X	X	11	50hrs
MCV	X	X		X	X	X	2	40hrs
CTOC	X	X		X	X		0	12hrs
ESU*							0	50hrs
* Used for transporting fuel and O&M equipment to sustain operations								



CUSTODIAL DISTRICTS

Mobile
Sacramento
Portland
Los Angeles
Ft. Worth
St. Louis
Nashville
Baltimore
Puerto Rico
Hawaii



EQUIPMENT DISPERSION

	ECCV	MCV	CTOC	ESU
Mobile	6	1		2
Sacramento	3			1
Portland	1			
Los Angeles	1			
Ft. Worth	1			
St. Louis	1			
Nashville	1			
Baltimore	1	1		
Puerto Rico		1		
Hawaii			1	
Totals	15	3	1	3



DTOS OPERATIONS

- ER 500-1-30, Dated 31 May 2006
 - (Currently under revision)
- DTOS Management Team
- Custodial Districts
- Deployment Teams
- Emergency Operations
- Non-Emergency Operations



DTOS MANAGEMENT TEAM

- Five-person team
- Manages the operation, maintenance, and deployment of DTOS assets and deployed team members
- During emergency response, the DTOS Management Team works directly for HQ UOC



CUSTODIAL DISTRICTS

- USACE District to which DTOS Equipment has been issued on sub-hand receipt
- TEN districts: Baltimore, Ft. Worth, Honolulu, Jacksonville (San Juan, PR), Los Angeles, Mobile, Nashville, Portland, Sacramento, and St. Louis
- Custodial District function is care and maintenance of asset according to DTOS SOP



DEPLOYMENT TEAMS

- ECCV, MCV and CTOC are crew-served...all trained USACE civilian volunteers and ACE-IT/Lockheed personnel
- Custodial districts required to have minimum two teams (primary and alternate)
- Each ECCV has a 2-person team: Team Leader and Support Specialist
- Each MCV has a 2-person team: Team Leader and Support Specialist
- The CTOC has a 2-person team: Team Leader and C3I Specialist
- Approximately 50 volunteers are required to staff the program



DTOS EMERGENCY OPERATIONS

- Natural and man-made disasters
- DTOS assets are requested
- HQ UOC authorizes mission
- DTOS Management Team manages deployment
- Team deploys within 6 hours of notification



DTOS OPERATIONS

Command and Control

- DTOS Management Team manages deployment
- Management team located at DTOS Operations Center in Irvington, AL (20 miles southwest of Mobile, AL)
- During deployment C2 is not transferred to supported command
- C2 always with HQ, USACE (UOC) (National Assets)



DTOS OPERATIONS (non-emergency)

- DTOS assets are requested
- HQ UOC authorizes mission
- DTOS Management Team manages deployment
- Requesting entity assumes cost
- Parades, Festivals, Engineer Day support
- Special Training and Exercise Events

