ITECS

Illinois Transportation Emergency Communications System
ITECS

The ITECS Radio Signature

• “ITECS” + the host agency’s IEMA Region #

• IEMA Region #s are: 2, 3, 4, 6, 7, 8, 9, 11

• ITECS hosted by Chicago OEMC is “5”

• Example: “ITECS 11”

  (hosted by Williamson County EMA in Region 11)
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Illinois Transportable Emergency Communications System
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The ITECS Package

• As delivered from vendor
  • Trailer, 10 kW Genset, Shoreline, Enclosure w/ racks
  • Exterior storage cabinets, Satellite dish, 50’ tilt and raise tower

• Additions during build-out – prior to delivery to host agency
  • Power distribution & UPS
  • Satellite electronics, Network, Radios, Computers
  • Telephone system, PA systems
  • Cabinetry, Safety items
The ITECS Package – Major items

- Base station radios
  - 2-VHF, 2-UHF repeaters, 1-800 repeater
- 1 ACU-1000 - 9 “mobile” radios connected to ACU-1000
  - 3-VHF, 3-UHF, 1-800, 1-Starcom, 1-Lowband
- 59 Portable radios
  - 24-VHF, 24-UHF, 11-800 (+ spare batteries for each portable)
- 2-way Satellite System providing:
  - LAN, WAP, Internet access, EMnet messaging
  - VOIP via Panasonic Hybrid 6 trunk/18 station PBX
- 4 Laptop computers + HP All-in-One scanner/copier/printer/fax
- Videoconferencing (via satellite internet link)
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Transter ACU
Visual RXT

Edge Access BB400
EFJ VHF Radio 180
EFJ VHF Radio 240
EFJ UHF Radio 1
Panasonic Phone system

Tripplite Base Station Only, RS232
Tripplite 1989 Only, RS232
Netgear 24 port switch

EFJ VHF 1 Base - B 1

EFJ VHF 2 Base - B 2

EFJ UHF 1 Rptr - B 3

EFJ UHF 2 Rptr - B 4

EFJ 500 MHz Rptr - B 5

JPS ACU-1000

M1
M2
M3
M4
M5
M6
M7
M8
M9

Adcom GS series P.A. System

Exacom Recorder

Sinclair 500 MHz Duplexer

Telewave UHF Duplexer LC/UP
Telewave UHF Duplexer U/TAC 1
Telewave UHF Duplexer U/TAC 2
Telewave UHF Duplexer U/TAC 3

APC 1500 va UPS
ITECS Illinois Transportable Emergency Communications System

Capabilities

- Infrastructure replacement
  - Damaged or destroyed towers and/or base station/repeater radios
- Communications support to field-deployed forces
  - Mobile command posts (UCVs)
  - Fixed site, incident specific command posts
  - Tasked teams
Deployment Staffing

- Supervisor / Frequency Manager – prepared to assume COML role is so tasked
- Electronics / Computer Technician
- Mechanical Technician
Questions??