

Customized Ultra-Agile[™] Command/Communication Solutions

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GSA Advantage![®]

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ULTRA-AGILE COMMUNICATIONS™

Empowering remote users with comprehensive C3I capabilities

YOUR NEEDS

Successful field deployments require a command and communications capability that is:

- **COST EFFECTIVE** for both limited and full incident deployment
- **FUNCTIONAL** for all Command Management Organizations
- **INTEROPERABLE** across the Deploying Agency Spectrum
- Capable of **TACTICAL TO STRATEGIC** level situation awareness
- Provides **ADVANCED Situational Awareness**
- **SIMPLE to operate** and includes comprehensive technical support
- Enables **IMPROVED operational coordination**

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OVERVIEW

We have experience deploying CUSTOMIZED Communications Packages to over 275 different agencies in the U.S. and abroad.

- *Each system custom configured to your needs*
- Communications anywhere in the world.
- Robust Command and Control Capability
- An active and in-depth Common Operating Picture
- Quickly Deployable Interoperable RF Communications
- Immediate and Redundant link to other Teams worldwide
- Real time situational awareness
- Multi-User functions



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Empowering remote users with comprehensive C3I capabilities



SATPAK

Enables satellite connection in challenging non-LOS environments (mountain valleys, urban canyons, etc)



TACPAK

Multi-user comprehensive command and control suite



TACPAK II

All TACPAK features except printer – 30% smaller/lighter



TRAKIT

Enables field tracking and management of personnel and assets



TELEPAK

Multi-terminal deployable PBX telephone system

PRODUCT LINES

- Rugged mobile command and communication systems *custom tailored to YOUR* specific requirements
- Field Proven: 13 year history serving as redundant or advanced Command Centers for over 310 US and international agencies, including every branch of the U.S. Military.
- Versatile/easy to deploy and operate, backed by excellent customer support



NETPAK

Ultra compact 24 user SIPR/NIPRnet enabled networking suite



INSTALOG

Instantaneously create a field logistics warehouse with RFID item location



MediCam

Helmet mounted telemedicine and mobile videoconferencing

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Tactical Command Package (TACOPAK)

REACHBACK Mode Options

Supporting multiple long distance operations

Configure from over 30 options

Worldwide
VHF/UHF/800Mhz
Blackberry/iPhone
RF Interoperability

JOINT OPERATIONS
CENTER
(JOC)

FEMA

LOCAL EOC

INTERNET
via SATELLITE (BGAN/SAT/autopoint
available) OR CELLULAR

Kandahar

New York

Seattle

Multiple
VoIP Telephone
Lines

- Videoconferencing
- 20 User Internet Data Connection
- 20 User VoIP Voice Telephone Calls
- GIG/SIPRNet/NIPRNet/DSN/VPN Tunnel
- Send/receive faxes
- Worldwide Radio Interop Talkgroups

Health
Official

HAZMAT
Team

Sheriff
Deputy

Multiple (up to 20) local voice/data users on
802.11 MESH LAN sharing cellular/satellite
Internet connection up to 5 miles away

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Tactical Command Package(TACOPAK)

LOCAL Mode Options

Supporting multiple local operations
Configure from over 30 options

GPS Mapping
and Positioning

Rugged
Laptop

Halogen Light

Digital Still Camera

Digital Video Camera

Shared Color Printer/
Copy Machine/Scanner/Fax



VHF/UHF/800Mhz
Blackberry/iPhone
RF Interoperability



802.11 AGILE
MESH LAN
5 Mile Range



HAZMAT
Responder



HAZMAT
Software

Health
Official



802:11
Wireless LAN



NGB
Officer



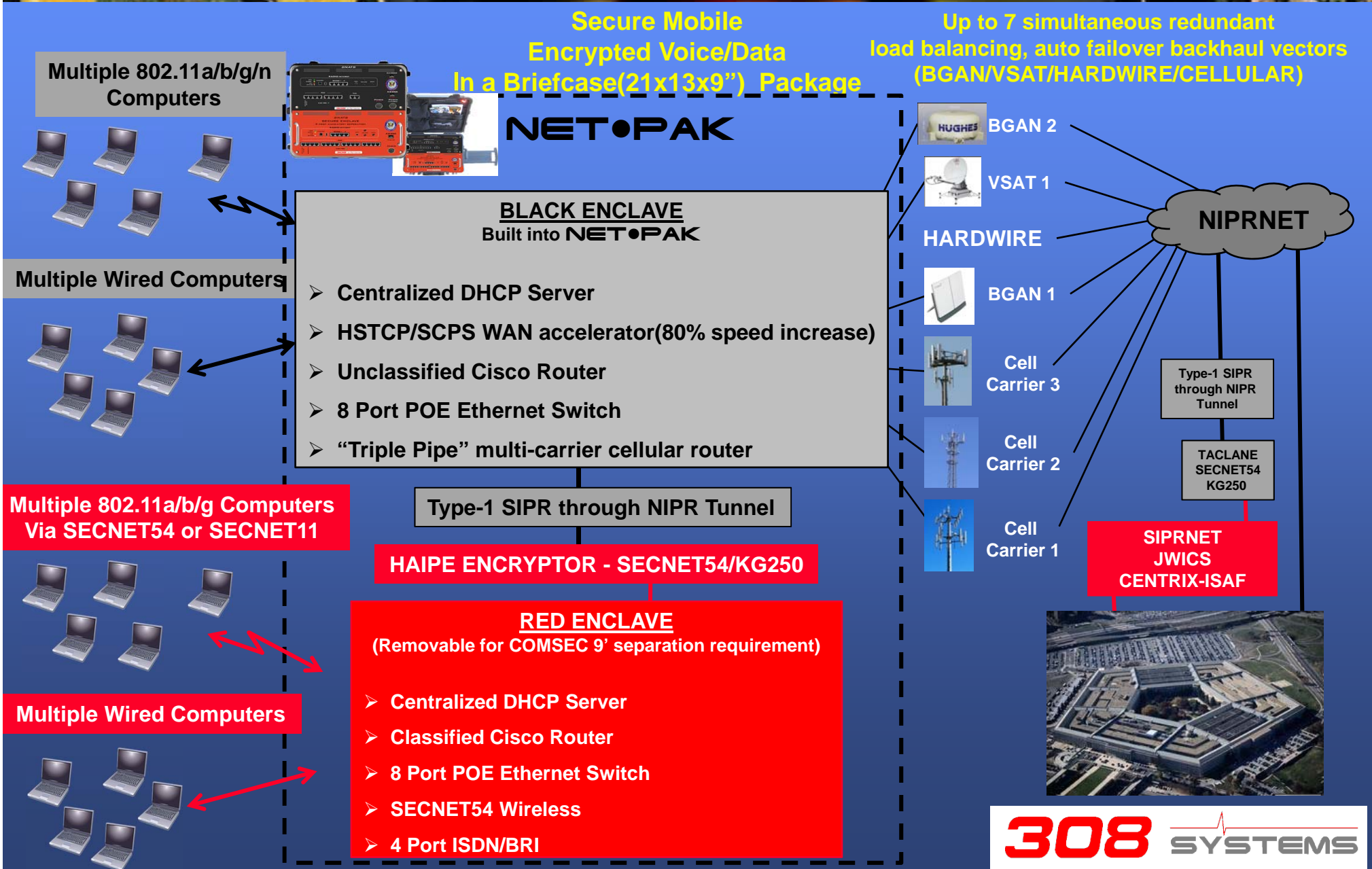
Local
802.11
Wireless
Network

90-260Vac
10-36Vdc
Internal Battery
Solar Panels

Multiple(up to 20) local voice/data users on
802.11 MESH LAN sharing cellular/satellite
Internet connection up to 5 miles away

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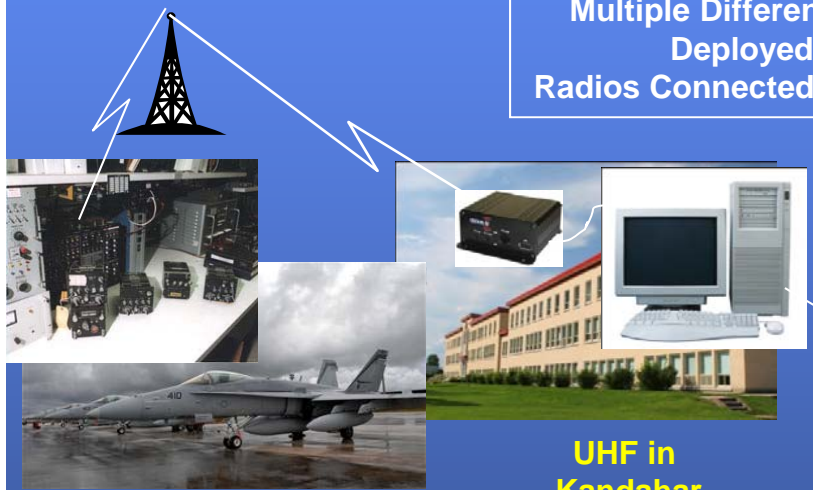
Worldwide Radio Interoperability

Interconnect radios, laptops, iPhones, Blackberries worldwide

Existing UHF Antenna

Configuration 2:
Multiple Different Field Deployed Radios Connected Globally

Global interop is achieved by running Radio Interop server software on ANY Internet attached computer (could be TACPAK laptop or other server) and connecting multiple remote Interop boxes to the Internet



Multiple Global Airbase Aircraft Radios (UHF)

Satellite or Cellular Internet Connection

VHF in Addis Ababa

Configuration 1:
Multiple Different Field Deployed Radios Connected Locally

Local interop is achieved by running Radio Interop server software on TACPAK and connecting multiple Interop boxes to TACPAK laptop



HF in Egypt

Configuration 3:
The TAC-PAK alone can also be connected into the global radio net using the Radio Interop software application and a laptop microphone



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TELE-PAK

Create an instant multi-line PBX based telephone system in the field with flexible satellite/cellular backhaul

Capabilities included in single TELE-PAK mobile telephony System box

CASE
Rugged wheeled case
Halogen light

Three wireless VoIP phones, expandable to 96 phones



OUTPUT POWER
120VAC 75w socket
12Vdc socket

PBX configuring 100 SIP VoIP and 8 POTS lines



INPUT POWER
10-31Vdc Input
120-220VAC input
16AH batteries

Two USB aircards and two mini-PC aircards can be simultaneously operating for backhaul



Three wired VoIP lines, expandable up to 96 phones



Wireless(or wired) network multifunction print/scan/copy/fax device

Up to 8 external POTS RJ11 lines for backhaul



Single external VSAT/BGAN or LAN RJ45 line for backhaul

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SATPAK Non-LOS Satcom Connectivity

Relay satellite signal to non-line-of-sight locations via 802.11 wireless network

- Issue: BGAN and VSAT satellite systems provide voice/data capabilities in signal Line-Of-Sight(LOS) locations
- Numerous situations exist where it is impossible to obtain LOS from the desired operations area, these include “Urban Canyons” and mountain valleys where the satellite signal is blocked by buildings or terrain
- The SATPAK enables agency operations in locations where satellite service was previously unavailable
- Simply deploy the self-powered SATPAK to a location with available LOS signal, then connect to the satellite from your non-LOS operational location via long range 54Mbps wireless signal



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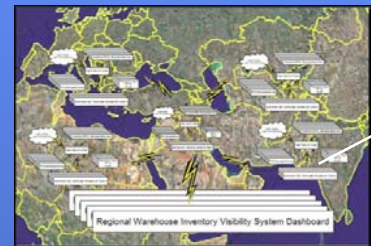
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Mobile Logistics System (InstaLog)

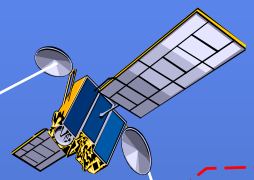
Quickly create a fully operational field warehouse with all items instantly located/identified

- Rapidly expandable
- Operational within minutes of deployment

- Easy to deploy
- Cost effective and reliable



Remote Location Dashboard
Supply Chain Overview



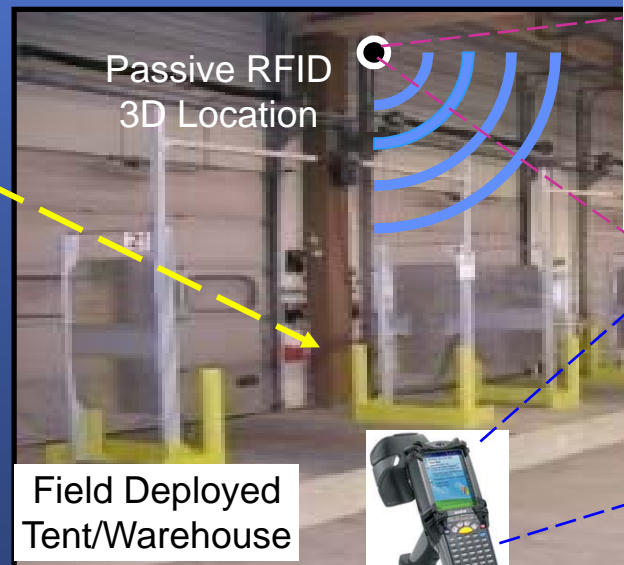
TAC•PAK



Deployed Logistics Management S/W
Virtual Environment



Portable, Passive RFID Portal

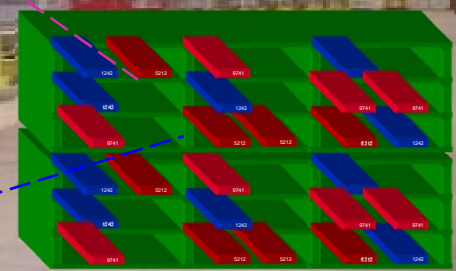


Passive RFID
3D Location

Field Deployed
Tent/Warehouse



Handheld RFID &
Barcode Scanner



Item location specified via Intelli-Flex shelves™

Vehicle and/or item
local geofence

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Medic Field Telemedicine (MediCam)

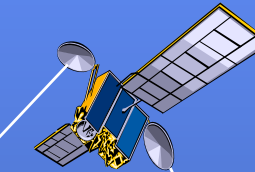
Wearable worldwide audio/video link

Quickly establish backhaul telemedicine links to assist with field medical treatment

- Worldwide deployment
- Rapidly expandable
- Operational within minutes of deployment
- Easy to deploy and operate



TAC•PAK
Wireless base



BGAN
backhaul



Remote physician review
and direction of field
Medic operations



Multiple local Medic operations
With helmet mounted
Color camera/audio



Multiple local Medic operations
With helmet mounted
Color camera/audio



Multiple local Medic operations
With helmet mounted
Color camera/audio

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Personnel/Asset Tracking (TRA•KIT)

Mobile system enabling tracking of deployed assets and personnel

- Monitor movement of patients and assets across agency jurisdictions
- Speed dissemination of patient data to support agencies
- Print pharmaceutical bottle labels on-site
- Support deployment of pharmaceutical caches
- Track decontamination efforts during a CBRNE incident
- Print tracking barcodes and wristbands on-site
- Complies with all DoD standards for tagged material and in all environments



Local data gathering and operations



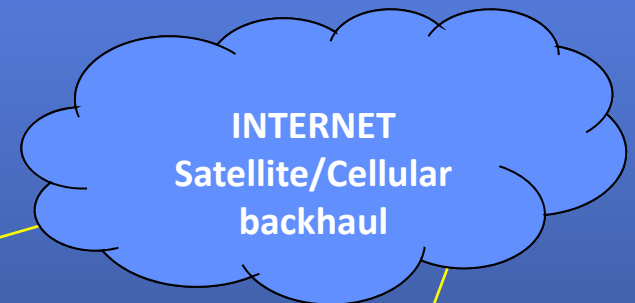
Long life NiMH Batteries
100-240Vac power
10-32Vdc power

Satellite/Cellular
redundant
backhaul

802.11
LAN



Multiple
handheld wireless
Barcode/Rfid scanners



Offsite database
and management



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NET•PAK

ULTRA-AGILE COMMUNICATIONS™ SUMMARY



TAC•PAK

- Each rugged system is custom configured to **YOUR** specific requirements
- Single and multiple unit deployments are high value, **COST EFFECTIVE** collaborative Team tools which increase your operational effectiveness
- **Field Proven:** 13 year history serving as redundant or advanced Command Centers for over 275 US and international agencies, including every branch of the U.S. Military.
- **Versatile/easy to deploy and operate, backed by excellent customer support**
- **GSA Schedule GS-03F-0014J, listed on GSA Advantage!**



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