# Outpost Packet Message Manager Overview Version 2.1.2

24 March 2007

Presented by: Jim Clark N6JRC



# Why are we here?

... and, why are we talking about packet?

### Purpose

- City... provides services; promotes the common good
- EMS...
- Prepares for disasters
- responds to minimize loss of life and property
- speeds the recovery

### Needs

- needs information... what's going on out there?
  - work with recovery partners and service providers

### Capabilities

• EMS...

- What we bring...
  - Volunteerism!... An interest to help out
  - Communications
  - Structure



# Why are we here?

... and, why are we talking about packet?

### Capabilities... communications

- Frequency agility
- Different modes... voice, data, video
- Bandwidth
- Independence from commercial services

	Simple Messages	Complex Messages
Mode	Voice	Packet
Messages	Short messages	Lists, instructions, details
Delivery	Immediate	Store & forward; mail drop
Equipment	Radio	Radio + TNC+ PC + SW + BBS
Complexity	Short learning curve	Many commands



# Why are we here?

... and, why are we talking about packet?

### **Mapping Capabilities to Needs**

- City OES... message handling with field sites, etc.
- Santa Clara County OES... EOC-to-EOC message handling
  - RIMS backup (PACRIMS)
  - City Scan / Flash Report
  - County Logistics Request Form
  - Emergency Volunteer Centers

CAPABILITIES help fulfill NEEDS, that support PURPOSE Is Packet a capability that could address other needs?



### Why are we here, really?

# To dispel silly myths about packet radiol

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### Myth #1 Setting up a packet station takes lots of time and way too many cables and connectors.



#### **Rubbish!**

It's much easier than looking for a needle. It takes only 3 boxes and two cables! <u>Just</u> <u>take a look!</u>



### Packet – A Quick Overview





# **Setting the Volume**

Setting the Correct Volume is easy as...

- 1. Turn on TNC
- 2. Turn on radio to lowest volume setting. Turn squelch setting to lowest setting.
- 3. Turn up volume until "receive" light on TNC lights up. Go just a little bit more.
- 4. Turn up Squelch until light goes back out.





### Myth #2 Sending messages via packet is difficult and requires learning all kinds of silly commands



#### Nonsense!

If you can put on a set of headphones and push a button to talk, you will find this easy! <u>Just use Outpost!</u>



### **Overview**

### What is Outpost?

- A Windows-based packet messaging client
- Supports ARES, RACES, and other amateur radio emergency response teams and their need to pass digital traffic
- Helps automate the packet message handling environment
- Manages all message handling between you and your BBS
- Lets you read, delete, create, reply to, or forward messages back to the BBS

**Outpost** is a software layer that provides a nice user interface to the complex world of packet operations, TNC usage and BBS commands



### **Overview**

### Why use Outpost?

- Leverages the existing packet hardware, network, and BBS infrastructure
  - Compatible with many existing BBSs and TNC PBBSs
  - Uses your existing TNC and packet radio equipment
  - Only a packet client (end-user) change is required
- <u>Hides the complexity</u> of the packet operating environment
  - Similar look and feel to contemporary email programs
  - Shorter learning curve for packet operations
  - Allows users to ... "focus on the message, not the medium"
- Implements most local emergency management policies for digital communications
- Still under active development based on user requests and on-going alignment with the Outpost mission.



### **Overview**

#### **General Outpost Features**

- Message Management
  - Multiple message folders
  - Supports the three primary message types: Private, NTS, and Bulletins
  - Text Formatting in a free-form message window
  - NTS Message Maker with automated ARL message support
  - On-line report builder using report templates
  - Supports Urgent message, Delivery and Read Receipts
- Send/Receive Session Management
  - Supports Serial, AGWPE, and Telnet interfacing to a BBS
  - Automatically controls the sequence for initializing the selected interface, connecting to, and sending messages to and retrieving messages from the BBS
- Configurations and Setups
  - BBS, TNC, and Interfaces manages a list of BBSs & Interfaces
  - Message Retrieval choose the message types ti be retrieved
  - Send/Receive automation 3 ways for automatically initiating BBS sessions



## **Topics**

- Features
- Creating Messages
- A Typical Session
- Limitations and Constraints
- Questions



#### Message management

- Familiar email-app look and feel
- Separate folders for message storage
- Clearer message identification (unread=BOLD, urgent=Red)
- Follows a formal message workflow
- Manage BBS and interface setups
- Additional settings to control how Outpost behaves

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#### 📴 Outpost Packet Message Manager

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### Message viewing

- Supports viewing, printing, deleting or saving a message to a local file
- Reply and Forward
   message formatting

### How?

- 1. Highlight Message
- 2. Press "Open"





### **Deleting Messages**

• Moves message to the Deleted Messages folder (just like a trash can)

#### How?

- 1. Highlight Message
- 2. Press "Delete"

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9 Items, 35 Total	Station ID:	KN6PE - TN	NC: KPC-3 1	BBS: K6FB-2	!	00:00:00	11:57:48		



### Creating Messages

- Direct Entry
- Cut-and-paste from other apps
- Import Text from a file



## Workflow – How it Gets Done

- 1. Press "New" to create a new message
- 2. Compose the message.
- 3. Press "Send" message is moved to Out Tray
- 4. Press "Send/Receive" to transmit/receive msgs
  - 1. Sent messages are moved from Out Tray to Sent Msgs folder
  - 2. New messages are displayed in bold in In Tray
- 5. Read and handle new messages
- 6. Delete messages as needed
  - 1. Deleted messages moved to Deleted Messages folder



## How it Gets Done







#### **Message creation**

- Supports Private, Bulletin, and NTS message types
- Message formatting before sending
- Set messages to <u>Urg</u>ent
- Request delivery or read receipts

#### How?

- 1. Press "New"
- 2. Type Message
- 3. Press "Send"

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# **Creating Messages**

#### **Direct entry**

- Allows cursor placement within the text field
- Supports TAB characters (cntl-tab) thereby reducing character count
- Allows text files to be directly imported into the message form

🔐 New Packet Message		
Eile Edit Actions Help		
Print Send Save Close	Urg Pvt Bul NTS	
Private Message; Delivery Receipt Request	ted	
Bbs: W6XSC-1		
From: CUPEOC		
To: XSCEOC		
Subject: Status of Cupertino EOC		
The following operating posit	ions are staffing at the EOC:	<b></b>
Director Emergency Services	Deve Knenn 777-1234	
Planning/Intel Section	Bob Knight 777-2345	
Logistics Section	Ken Smith 777-3456	
Operations Section	Bill Wright 777-4567	
Finance Section	Trudy Collins 777-5678	
All phone numbers are in the	408 area code.	
Jim O KN6PE		
т		
<u> </u>		~



# **Creating Messages**

#### Cut-and-Paste from other apps

- From Excel, highlight the fields to be copied, then paste into an Outpost message.
- At the receiving station, highlight and copy the message, then paste back into Excel.
- Tabs are preserved so the message can be pasted back into another spreadsheet.

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# **Creating Messages**

#### Import text from a file

- Open a new message
- File > Open a file
- Select the text file, press OK
- Full in the Destination and Subject.
- Press Send when done.

README130.txt 🗐 120-Welcome-Message.txt AEADME131.txt 120-Whats-New-Message.txt BBS LM Listing Layouts.txt elease-Msg #1.txt Release-Msg #2.txt Beta-Test-Status.txt enhnacement list.txt test-before-save.txt Handshaking.txt T KISS-TNC.ExE 🔋 message-for-doc#1.txt vly Compute 🗒 message-for-doc#2.txt File name: N95 Mask.txt • Text Files(\*.txt) -Files of type \_ 🗆 🗵 New Packet Message File Edit Actions Help Bul/ NTS Print Close Urg Pvt | Send Save Private Message Bbs: KN6PE-1 From: KN6PE To: Subject: N95 Mask.bt All Packet-enabled CARES members, Those CARES members interested in purchasing N95 masks as described by Marsha, please let me know. We will be doing a bulk purchase at a cost of \$1 per mask for CARES members. regards, Jim KN6PE Ŧ

New Packet Message

File Edit Actions Help



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## **PacFORMS**

### What Are They?

Browser-based versions of

- City Scan/Flash Report
- Logistics Request Form
- RIMS Form (called PacRIMS)
- DOC9 form (for hospital support)

Requires Javascript to be enabled in the browser

### Read and follow the red instructions

<b>"CITY SCAN" - FLASH REPORT</b> JavaScript Version for Packet Transmission Note: This Form has been adapted from the paper form to prepare an ASCII text file for transmission via Amateur Radio Packet. Form adapted by Phil Henderson, KF6ZSQ, Mountain View, CA AEC. Ver. 2.1, 12-08-06 (This form is best used with Microsoft Internet Explorer)										
	< Items in RED are required >									
1a.) Los Altos	<b>1b.) If Other</b> is selected, Enter Entity Name:									
Date/Time of Contact: 2.) Date: 03/21/2007 3.)Time (HrMin - 24 Hour Time): 1940										
Contact Person: 4.) Name: Bo	b Lacey 5.) Title: C	hief of Police								
Method of Contact: 6.) Phone #	800-555-1212 7.) Radio F	requency: 145.57								
8.) HAS THE CITY BEEN IMPACTED? (check one)										
9.) HAS A LOCAL EMERGENCY BEEN DECLARED? (check one) When? 10.) Date: 3/24/2007 11.) Time (HrMin Who signed it? 12.) Name: me	9.) HAS A LOCAL EMERGENCY BEEN DECLARED? (check one) <ul> <li>YES</li> <li>NO</li> </ul> When?         10.) Date:         3/24/2007         11.) Time (HrMin - 24 Hour Time):         0830           Who signed it?         12.) Name:         me         13.) Title:         Chief           Victoria         Victoria         Victoria         Victoria         Victoria									
14.) HAS YOUR EMERGENCY OPERATIONS CENTER BEEN ACTIVITED? (check on	)	⊙ YES ONO								
15.) Can you tell me what MAJOR INCIDENTS are occurring now? (check one)		⊙YES ONO								
16.) Please Summarize INCIDENT, LOCATON and STATUS in the text areas below: INCIDENT (Max 80 cbrs.)	LOCATION (Max 60 chrs.)	STATUS (Max 60 chrs.)								
Downtown concrete benches     Main Street     Benches make citizens' bottoms sore. Citizens revolting.										
16b.										
6c.										
16d.										



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8.)	Back Forward Reload Stop Home Print Google	● YES O NO
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14.) 15.)	<pre># CITY SCAN FLASH REPORT # JS-ver. 2.1, 12-08-06 # TO COPY THE TEXT IN THIS WINDOW, FOCUS THIS WINDOW, THEN: # Select All ASCII Text by typing Ctrl-A, then Ctrl-C to Copy. # Next, RUN WordPad or Notepad and DO Ctrl-V to Paste into the editor body. # Then DO Save-As to a TEXT Document file, or Paste directly into Outpost. # Form Item numbers are followed by a colon (:) # Answers are enclosed in brackets ( [ ] ) 1a.: [Los Altos]</pre>	● YES ● NO ● YES ● NO
16.)	1b.: []	shee) CTATUS (Here (A shee)
16a 16b 16c 16d	<pre>2.: [03/21/2007] 3.: [1940] 4.: [Bob Lacey] 5.: [Chief of Police] 6.: [800-555-1212] 7.: [145.57] 8.: [yes] 9.: [yes] 9.: [yes] 10.: [3/24/2007] 11.: [0830] 12.: [me] 13.: [Chief] 14.: [yes] 15.: [Chief] 14.: [yes] 15: [yes] 16a-I: [Downtown concrete benches] 16a-L: [Main Street] 16a-S: [Benches make citizens' bottoms sore. Citizens revolting.] 16b-I: []</pre>	chrs.) STATUS (Max 60 chrs.) Benches make citizens' bottoms sore. Citizens revolting.
	16b-L: [] 16b-S: []	
16f.	16c-I: [] 16c-L: [] 16c-S: []	
17.)	16d-I: [] 16d-L: [] 16d-S: []	OYES ONO
lf y	Done O	
	After Clicking on <b>SUBMIT</b> , you will get a text response in a new window. In that window, do E (CtrI-V) into the OUTPOST window, or open a WordPad or NotePad window and paste it into t	dit->Select All, Edit->Copy (or Ctrl-A, Ctrl-C) and paste hat and save to a TEXT Document file for later use.
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# **Creating Messages**

#### Import text from a file

- Open a new message
- File > Open a file
- Select the text file, press OK
- Full in the Destination and Subject.
- Press Send when done.

\_ 🗆 🗵 New Packet Message File Edit Actions Help Bul/ NTS Print Close Urg Pvt | Send Save Private Message Bbs: KN6PE-1 From: KN6PE To: Subject: N95 Mask.bt All Packet-enabled CARES members, Those CARES members interested in purchasing N95 masks as described by Marsha, please let me know. We will be doing a bulk purchase at a cost of \$1 per mask for CARES members. regards, Jim KN6PE Ŧ

New Packet Message

File Edit Actions Help



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# **Special Message Handling**

### Bulletins

- To create, click on "bulletin" when writing message.
- To delete a bulletin off of the BBS

that you originated...

- Retrieve the bulletin from the BBS
- Open the message
- Press Expire
- On the next send/receive session, the bulletin will be deleted off of the BBS.



#### Notes

 You can only delete bulletins that you create





## **For more information**

Send inquiries to... Jim Oberhofer, <u>kn6pe@arrl.net</u>

Visit the Outpost website... http://www.CupertinoARES.org/projects/outpost

Or, Google ... outpost packet





