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Packet Type II



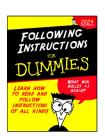
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Housekeeping

- Introductions
- Pen/pencil & paper
- Cell phones on silent or vibrate
- Side conversations
- Questions
- Breaks
- Restrooms
- In case of emergency
- No wandering or exploring other areas of the building.

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Overview: Packet Classes

Packet Type III, Part A

- Role of the Packet Operator
- Packet Network Overview
- Packet Network Components
- · Packet Station HW & SW
- Accessing the Network
- Standard Workflow
- Packet Type III, Part A+

• Packet Operations Self-Paced

Packet Type III, Part B

- Packet Operations
- Diagnosing Setup Problems
- Selecting a BBS
- · Creating Messages
- Event Documentation
- Productivity Hints
- Exercises

Exercise workbook

Packet Type II: Advanced Techniques, such as County EOC Packet Station Setup & Operations, Operating without Outpost.

Learning Objectives

At the end of this class, you should be able to:

- Understand the setup and operation of the county EOC radio room packet station
- · Set up and use a terminal program to access a BBS
- Without Outpost...
 - Connect to a JNOS BBS
 - Send and receive plain text messages with BBS commands
 - Send and receive PackItForms with BBS commands

A Note on receiving Class Credit

To get credit for this class, there are 3 things that you need to do:

- 1. Attend the classroom session.
- 2. Complete the evaluation by Saturday, one week after the class. See the instructions at the end of this material.
- 3. Complete a short exercise by Saturday, one week

after the class.

Fictitious Examples

- We use fictitious call signs in this presentation to avoid SPAM
- W6XRL4: Herman Munster



 XNDEOC: City of Xanadu Emergency Operations Center



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What about Xanadu?



- Xanadu received lasting fame in the western world thanks to the Venetian explorer Marco Polo's description of it in his celebrated book *Travels* (c. 1298).
- Distant and mysteriously lost Xanadu, thus, came to represent a place of mystery, splendid luxury and easy living.
- Fortunately, you get to visit Xanadu only during Packet classes and Packet exercises.
- Only use an XNDxxx tactical call that has been specifically assigned to you for an exercise or training event and then only for the duration of that event, including any homework follow-up.
- PLEASE NEVER USE XNDxxx tactical calls during any other time.
 Instead, use one of your City's extra tactical calls for practice (with your EC's permission, of course).

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How to process high volume traffic efficiently

COUNTY EOC PACKET STATION SETUP & OPERATIONS

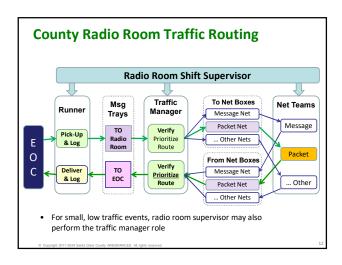
© Copyright 2011-2024 Senta Clara County ARESIS/RACES. All rights reserved.

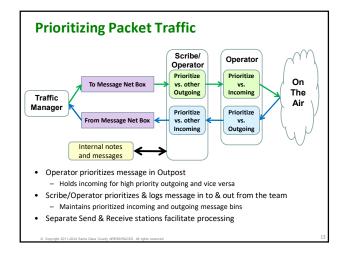
Packet Net Operations at County EOC

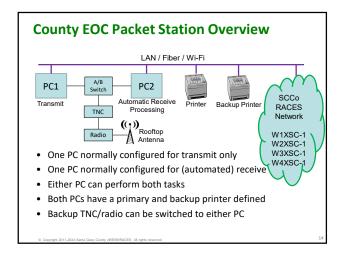
- County message handling can be non-stop action
- Have separate send & receive stations
- Learn to use the automation
 - Automated polling every 5 minutes by Telnet
 - Automated ICS 309 Logging
- Watch message handling order
- Move the messages to the Traffic Manager as quickly as possible
- Balance outgoing and incoming traffic
- Follow the SCCo Radio Room packet procedures

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SCCo Packet Net Reference Binder DO NOT REMOVE REPLACE WHEN FINISHED What's inside **COUNTY OF SANTA** • There is a "standardized" binder CLARA for every position in the SCC EOC, including each position in the RACES radio room. **RACES UNIT** General content includes: activation and operation PACKET NET end-of-shift and demobilization - Packet-specific activities









Its all about control with Text Commands

- Simple text commands control the TNC
 - MYCALL callsign = set the TNC's Mycall command to your callsign
 - CD software = set Carrier Detect mode to software
 - C callsign = Connect to station callsign (ax.25 address)
- Simple text commands control the BBS mailbox
 - SP address = Send a Private message to an address
 - LA = List All messages in this area (mailbox)
 - R n = Read message number n
- Outpost simply automates the process of typing the commands to the TNC (to connect) and then to the BBS (to send/receive messages)
 - Watch the Outpost session window to see what it's doing
 - View the Outpost transaction log later to see what it did
 - Actions > View Outpost Data Directories > logs > transactionYYMMDD.log

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Everything Can Be Done Manually

- Why would I want to/need to?
 - Outpost is not installed or installed incorrectly; no administrative access to PC
 - Browse the BBS to read bulletins
 - Gain deeper understanding of how packet radio works
 - Perform clean up or diagnostic activities on your setup or to maintain the BBS
- All you need is a terminal emulator program
 - Suggested: PuTTY (free download) https://www.putty.org/
 - \dots or just do an Internet search for "PuTTY"
- But any terminal emulator will do ...
 The following examples will use PuTTY
 - Select and copy: highlight/select (not <ctrl>C)

Paste: Right-click (not <ctrl>V)



Summary of Steps to be Discussed

- What you need to know to operate without Outpost
- Setting up PuTTY for BBS access (serial)
- · The connection basics
 - Start of shift: Configure optimized TNC settings
 - Per session: Using you FCC call sign, -OR-
 - Per session: Using a tactical call sign (plus your FCC call sign)
 - End of shift: Restore default TNC settings
- Managing Messages on JNOS
 - Access user and bulletin areas (mailboxes)
 - Read a message
 - Send a message
- Reading notices and bulletins on JNOS
- Working with PackItForms

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What you need to know

Operations without Outpost

- 1. Connect Parameters
- 2. TNC Standard Settings and Manual Workflow
- 3. TNC User Commands
- 4. TNC Init Settings
- 5. BBS User Commands
- 6. BBS Init Settings

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1. Three Connect Parameters

 $Operations\ without\ Outpost...\ \textit{need to know}$

Call Sign or Tactical Call of the user

example : W6XRL4 XNDEOC

• TNC Comm Port Settings

example : COM3,9600,8,N,1 COM5,9600,7,E,1

BBS Connect Name
 Name Name

example : W1XSC-1 W3XSC-1

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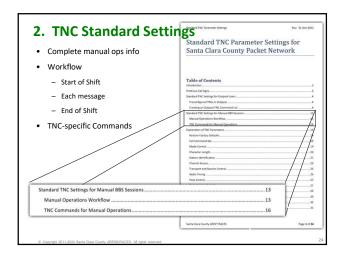
2. TNC Standard Settings

Operations without Outpost ... need to know

- SCCo RACES determined the optimum TNC parameters for our BBS system that significantly improves message traffic throughput.
- Document contains parameters for both Outpost and Manual sessions. Details of each parameter are explained.
- See: https://www.scc-ares-races.org/data/packet/index.html → Application Notes → Standard TNC Parameter Settings
 - \dots and specifically, the section titled: $\it Standard\ TNC\ Settings$ for Manual BBS Sessions

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2. TNC Standard Settings Operations without Outpost ... need to know Sant Clara County ARES* ARCES The Tomas Clara County ARES* ARCES The Arces (The Tomas Clara County ARES* ARCES ARCES) The Arces (The Tomas Clara County ARES* ARCES ARC



3. Eight TNC user commands Operations without Outpost (Kantronics KPC-3+) 1. HELP [command] When entered alone, lists all available commands. With a command, provides details on that specific command. 2. MYCALL XXXXXX Tells the TNC what its' call sign is. 3. $\underline{\mathbf{C}}$ ONNECT call1 [via call2, call3, ...] Call1 = Call sign of the station to be connected to. Adding "via call2..." connects to the BBS by digipeaters. 4. CONVERS Puts the TNC into **Conv**ersational mode. Then, whatever you type is immediately transmitted. <ctrl>C Puts the TNC into Command Mode. Then, enter TNC commands at the prompt. 6. RESTORE DEFAULT Resets the TNC to the factory default settings; performs the AUTOBAUD routine. Defaults INTface to NEWUSER. Hard reset can be triggered by temporarily removing the battery. 7. <u>INT</u>FACE [TERM | ...] When set to TERMinal, the full command set of the TNC is available. XMITLVL [value] Displays or sets the TNC's transmit drive level

4. TNC Init Settings Operations without Outpost ... need to know

- Go to the "Standard TNC Settings for Manual BBS Sessions"
- . Follow instructions in "Manual Operations Workflow"
- Use the "TNC Commands for Manual Operations" appropriate for your particular TNC

TNC Type	Manual Ops: Start of Shift	Manual Ops: End of Shift
Kantronics KPC-3+	INTFACE TERMINAL	STREAMSW \$7C
	MONITOR OFF	
	CD SOFTWARE	
	NEWMODE ON	
	8BITCONV ON	
	BEACON EVERY 0	
	SLOTTIME 10	
	PERSIST 63	
	PACLEN 128	
	MAXFRAME 2	
	FRACK 6	
	RETRY 8	
	CHECK 30	
	TXDELAY 40	
	XFLOW OFF	
	STREAMEV OFF	
	STREAMSW \$00	

5. Eight BBS user commands https://scc-ares-races.org > Data Networking > Packet BBS > Reference > JNOS BBS Information Santa Clara County ARES/RACES JNOS Packet BBS Information A gives a short listing, whereas

AF gives a full listing with descriptions (if available)

AN shown areas that have now mail since you last logged off. The Mays command is used to exit from the JRCG MRCC. This will close your ma file and remove any messages that you have deleted with the K[ill] command. compile the JNOS program. Links to the source files, instraen provided This lif available) puts you in converce mode. This is a roundtable discussion feature. The 'charmel' allows specifying the conference charmel you wish t join. Charmel ofesture to

5.	Eight	BBS	user	com	ım	anc	IS
Оp	erations	with	out Ou	tpost	n	need to	kr

1. HELP [command] or? When entered alone, generates a summary of available commands. With a command as a parameter, provides details on that command.

H List = shows all the List command options and what they do 2. LIST

= by itself will display the headers for all *unread* messages, if any. LA = List ALL messages, both read and unread LM = Lists MY messages addressed to me
L> addr = Lists all messages that have "addr" in the To: field of the message

3. <u>R</u>EAD #

= The message number to be displayed.

4. <u>K</u>ILL #

= The message number to be deleted.

AREA [Area_name]

A = Lists all available bulletin areas

AF = Gives a full listing with descriptions of areas.
A area_name = moves you to that area. Then use the List and Read commands to view messages.

5. Eight BBS user commands

Operations without Outpost ... need to know

6. **SEND** [option] <dest_address>

example: SP w6xrl4@w5xsc.ampr.org example: SB xsctest S[P] = Send Private; SB = Send Bulletin;

SC = Send Copy; to multiple destination addresses

example: SC w6xrl4@w5xsc.ampr.org (BBS then prompts with Cc: for all other addresses)

Disconnects from the BBS

displays or sets the page length for viewing messages

6. BBS Init Settings; Page Length

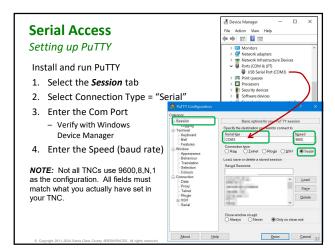
Operations without Outpost ... need to know

- The BBS "XM" command displays or sets the page length
 - XM = displays the current page length setting
 - XM 24 = sets the page length to 24 lines
 - XM 0 = turns off pagination (required when using Outpost)
- If a page length is set, message listings, messages and other content longer than the page length are paused and a "More (N=no)?" prompt is shown.
 - Press <ENTER> to see the next page; 'n' to stop
 - Good for reading content on the screen
 - BUT... will cause Outpost to hang if not set back to XM 0
- Note: The SCCo Packet Installer includes XM 0 in the BBS Init Commands for all SCCo BBSs. Outpost will send XM 0 as soon as it connects to the BBS so message output is never paused.

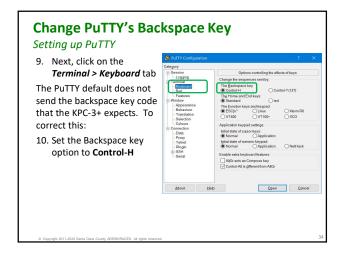
1	0

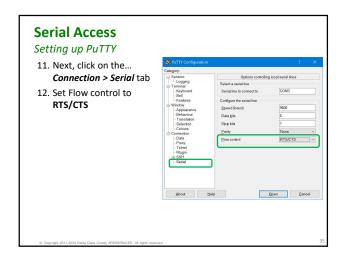
SETTING UP PUTTY FOR BBS ACCESS

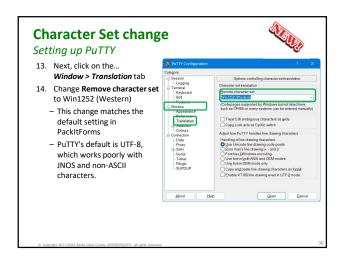
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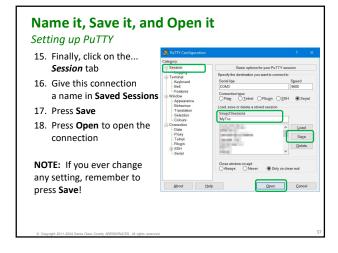


Set up Session Logging Setting up PuTTY 5. Next, click on the Session > Logging tab 6. Set Session Logging to O All session output 7. Set up a log file name NOTE: &H does not work on Windows 8. ... if the file exists: OAlways append to the end Why do logging at all? OPURING manual operations, it is easy to lose track of what is going on. Logging creates a history of your manual interactions and a reference if you ever need to go back and check if you got it all right.



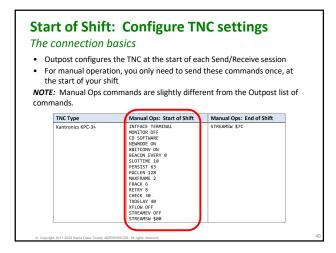


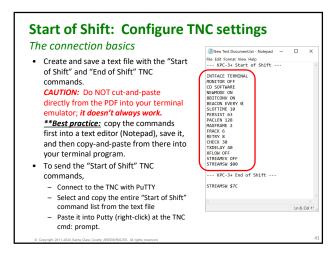


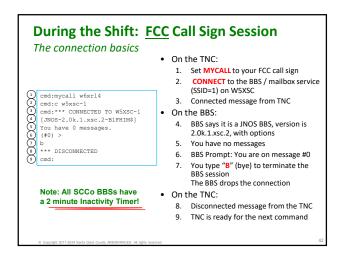


THE CONNECTION BASICS

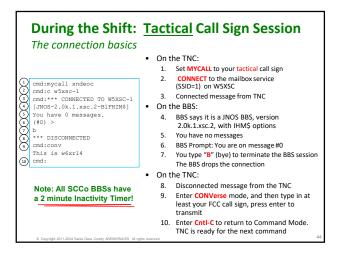
Start of Shift: Configure TNC settings The connection basics • TNC settings affect overall performance - Start with the factory defaults - Make other settings for efficient use of the BBS • To be absolutely positively certain that all TNC settings are at the current SCCo standard values, at the TNC prompt, perform the following: 1. cmd: xMITLVL (for KPC-3+) to display the existing transmit level values 2. cmd: INT Term (just in case) 3. cmd: restore default 4. PRESS (*) TO SET BAUD RATE 5. Enter your call sign 6. cmd: INT Term 7. cmd: xMITLVL <value> 8. cmd: cd software 9. Apply SCCo standard TNC settings for manual operations







FCC Call Sign Session — On the Air The connection basics FROM AX25: W6XRL4->W5XSC-1 CONNECT AX25: W5XSC-1->W6XRL4 DATA: [JNOS-2.0k.1.xsc.2-B1FHIM\$] .You have 0 messages..(#0) >. AX25: W5XSC-1->W6XRL4 DISCONNECT DATA: b. AX25: W5XSC-1->W6XRL4 DISCONNECT Note: Protocol codes have been removed • FROM and TO addresses of all packets contain legal call signs • Both stations are meeting the FCC identification requirements with every packet (more than required)

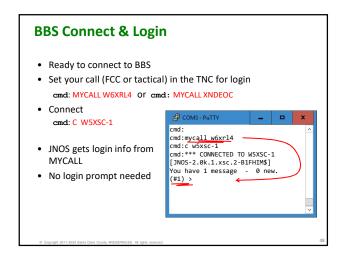


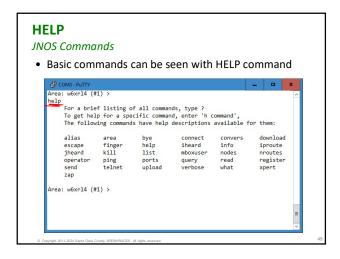
Tactical Call Sign Session — On the Air The connection basics FROM AX25: XNDEOC->W5XSC-1 CONNECT AX25: W5XSC-1->XNDEOC CONNECT DATA: [JNOS-2,0k.1.xsc.2-B1FHIM\$].You have 0 messages.(#0) >. AX25: XNDEOC->W5XSC-1 DATA: B. AX25: W5XSC-1->XNDEOC DISCONNECT AX25: W5XSC-1->XNDEOC DISCONNECT AX25: XNDEOC->CQ DATA: This is w6xr14. The extra converse mode packet lets you identify your station XNDEOC as FCC call sign W6XRL4 • XNDEOC is not a legal call sign • Keep session under 10 minutes and use ID process at the end of session to satisfy the FCC requirements.

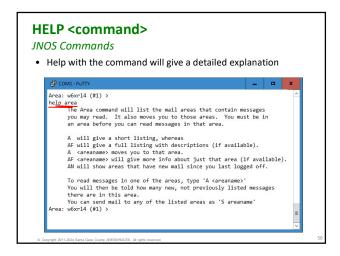
End of Shift: Restore TNC settings The connection basics • After the BBS session has disconnected, you should be back to the TNC command prompt, usually: cmd: • When your shift is finished and before you pack up the gear or turn it over to someone else, return the TNC to "normal" settings • Cut-and-paste the "End of Shift" Send/Receive settings into PuTTY at the TNC command prompt • Cut-and-paste the "End of Shift" Send/Receive settings into PuTTY at the TNC command prompt • Compage 2011-2024 Bana Casa County ARESERVICES At apple names 4

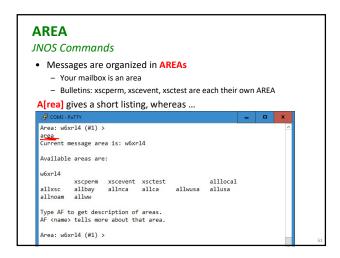
MANAGING MESSAGES WITH JNOS COMMANDS

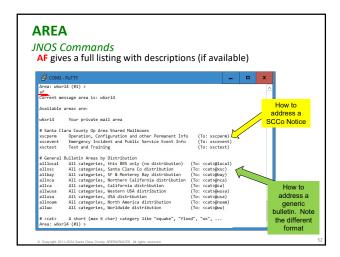
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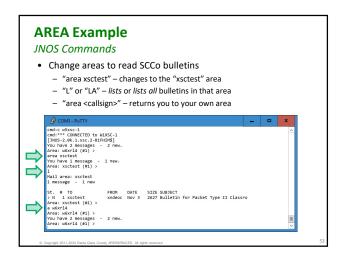


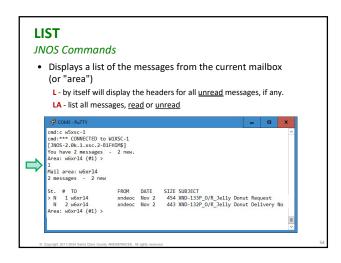












READ JNOS Commands • R[ead] # • R[ead] <msg_number_or_range> • To read a specific message, you may either type "R #" or just the number by itself. RM will display all unread messages, sequentially. FROM DATE SIZE SUBJECT xndeoc Nov 2 454 XND-133P_R_Jelly Donut Request xndeoc Nov 2 443 XND-132P_R_Jelly Donut Delivery No St. # TO > N 1 w6xrl4 N 2 w6xrl4 Area: w6xrl4 (#1) > r 2 Message #2 Date: Mon, 2 Nov 2017 21:00:05 PDT From: xndeoc@w5xsc.ampr.org To: w6xrl4 Subject: XnD-132P_R_Jelly Donut Delivery Notification Donut will be delivered by 9AM Area: w6xrl4 (#2) >

KILL

JNOS Commands

• The KILL command allows you to delete messages from your mailbox

K[ill] <message_number>

- At least one message number must be supplied. The message numbers you can select from can be displayed with the "L[ist]" command.
- Messages will not disappear until you disconnect and connect again

SEND

JNOS Commands

• The send (S) or send private (SP) command allows you to enter a message and send it to a user

S[P] <user>@<domain> where <user> = recipient's name <domain> = <bbscall> <bs/>bbscall>.ampr.org internet domain

• Send an SCCo specific Notice

SB < NoticeArea | <category>@<distribution>>

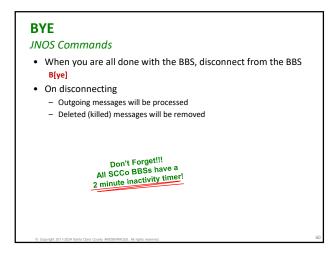
- SCCo Notices: SB < NoticeArea >
- General purpose bulletins: SB <category>@<distribution>
- As above, but ANY <user> may read the message from the mailbox. The < NoticeArea > may be...
 - xscpermxscevent

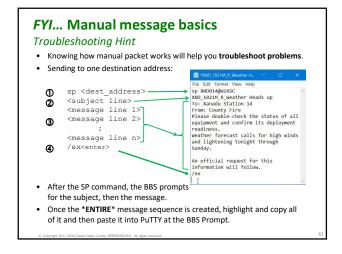
 - xsctest

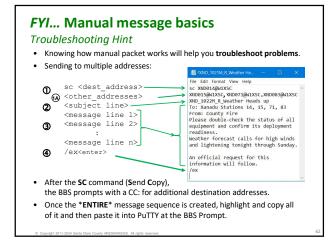
1	•
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Send a Message from the Keyboard JNOS Commands Connect to the BBS using a terminal program Use these BBS commands Send a message to a user at a specific domain. When prompted, enter an SCCo standard subject When prompted, type the body of message When done, on the next line, add "/EX" and press <Enter> Connect to the BBS using a terminal program Use these BBS commands Send a message to a user at a specific domain. 1.SP <dest_addrp. 1.SP <dest_addrp. 2.The subject 3.The message 4. /ex Compart 2011-2024 Stand Chee County AMESSENCES. At appr. message 58

Send Copy JNOS Commands • The send copy command allows you to enter a message and send it to multiple users SC <user>@<domain> • Enter the send copy command with one address • JNOS responds with "Cc:" • Enter other addresses to receive a copy, separated with commas | Command | Com







FYI... Manual message basics Saving the message There are reasons to save the message before sending it You have copy for your records. You can save all your messages before sending them. Avoids having to re-enter the message if something goes wrong. Where you save the message is up to you. But: If this is your PC, then save them anywhere where you can find them. If this is a shared PC, then create a directory on the C: Drive. For instance: your directory structure could look like this: C:\MyMessages C:\MyMessages\XND-24-1009T (activation number) Use the message subject as the name of the file.

READING BULLETINS ON JNOS

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Bulletin Review

Bulletins

- Bulletins are messages intended for a broad audience
- The SCCo BBSs support two types of bulletins:
 - Notices are a special type of bulletin specific to Santa Clara County
 - Only distributed to SCCo BBSs (W*XSC)
 - SCCo uses 3 special categories for specific content
 - General Bulletins are globally compatible, used for everything else
 - User-defined category (e.g.: "equake", "ARES") identifies content
 - User-defined distribution controls how widely it is distributed (e.g.: "XSC", "BAY", "NCA", etc.).
- Regardless of the bulletin type, when configured in Outpost, Outpost will automatically download them

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SCCo Notice Areas



SCCo RACES Bulletin Board System

Bulletins

- SCCo ARES/RACES has three special *notice* categories:
 - xscperm
 - Used for notices that do not expire
 - examples: standard county procedures
 - xscevent
 - Notices posted here automatically expire after 8 days
 - examples: Drills, public service events, incidents, other activations
 - xsctest
 - Good for user testing; automatically expires after 1 day
 - allxsc
 - Where you can write city and jurisdiction notes
 - Notices posted here automatically expire after 8 days

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General Bulletins Overview

Bulletins

- Bulletins are messages that are intended for broad readership
- Bulletins content varies from amber alerts and earthquake reports to jokes and recipes
- Bulletin sender controls how widely the bulletin is distributed
 - Can be as narrow as "local" (this BBS only)
 - Can be as wide as "ww" (worldwide!)
- In JNOS, bulletins are sorted into shared areas (mailboxes) for easier reading

General Bulletins – Why Do They Matter?

Bulletins

- Standard way to distribute information between BBSs of all types throughout the world
- Use them for fun or for emergency communications
- Use them for distributing information to broader areas:
 - Santa Clara County
 - San Francisco Bay area
 - Northern California
 - All California
 - And wider ...
- - During the 2009 cable cut, information about anticipated service restoration times were distributed via bulletins by a ham who had information from the telecom carrier

General Bulletin Addresses

Bulletins

- Address format: category@distribution
- Distribution
 - A six-character or shorter keyword which defines how widely the bulletin will be distributed
 - Sender picks from a pre-defined list
 - Acceptable distributions:
 - local Local BBS only
 - xsc XSC Operational Area (Santa Clara County)
 - bay San Francisco and Monterey Bay area
 - nca No. California (generally north of the Tahachapi Mountains) • ca California

 - wusa Western USA (generally, West of the Mississippi River)
 - usa United States of America
 - noam North America (Canada, USA, Mexico, ...)
 - ww worldwide

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General Bulletin Addresses (continued)

Bulletins

- Address format: category@distribution
- Category:
 - A six-character or shorter description of the main topic of the bulletin.
 - Sender picks the category based on the contents of the bulletin
 - Example categories:
 - amber Amber alerts
 - equake Earthquake reports
 - flood Flood reports
 - tech technical topics, schematics, discussion
 - mtv, cup, sjc, etc. City bulletins
 - humor or humour jokes, stories, etc.
 - Any category works on our SCCo BBSs because we sort bulletins by distribution, not category
 - Uncommon/unusual categories may be held on other BBSs until the sysop decides where it should go

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General Bulletin Addresses (continued)

Bulletins

- Example bulletin addresses:
 - mtv@xsc
 - Tity of Mountain View information for distribution to all BBSs in Santa Clara County
 - flood@bay
 - Information about flooding for distribution to all BBSs in the San Francisco and Monterey Bay areas
 - equake@nca
 - Information about an earthquake for distribution to all BBSs in Northern California
 - swpc@ww
 - Space Weather Prediction Center reports for distribution to all BBSs worldwide
 - humour@ww
 - Variety of jokes and funny stories

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Reading General Bulletins

Bulletins

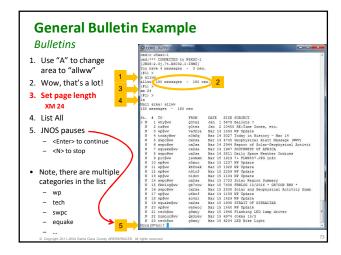
- Use a terminal program like PuTTY
 - Read only the bulletins of interest
 - Be selective when listing and reading
- Read bulletins just like mail
 - Find out what areas are available
 - AREA
 - Select a bulletin area
 - AREA <area_name>
 - List bulletins
 - LA

(list all)

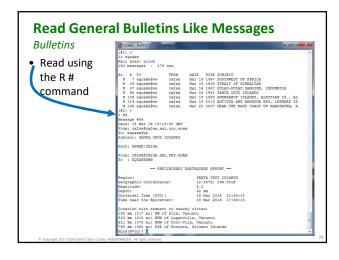
- L> <category_name> (where category_name matches the messages' To: field, ex: equake@ww)
- Read a bulletin
 - R#

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•			
,			
,			
•			



Filter the General Bulletins Bulletins • JNOS command L> will filter the list by To: address - Example: L> category - ... will list only bulletins where the To: address contains category • Example: list all earthquake bulletins • If 20 equake bulletins



But, what about PackItForms?



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Submitted for your approval...

 You just arrived at XND Fire Station 14 to take over as Packet Operator. This is great... Your first MAC assignment!

THE

- As you enter, the last shift Packet Op rushes past you saying...
 "there's a couple of ICS 213's on the desk to be sent!"
- At least you won't be bored.
- Over your shoulder, you hear him yell back...
 "Oh yeah, I could never get Outpost to work after IT updated Windows... and they just left."
- The PC is running; you click the Outpost icon... Error; and you have never seen this error before ⊗
- OK, deep breaths. You know what to do, right?

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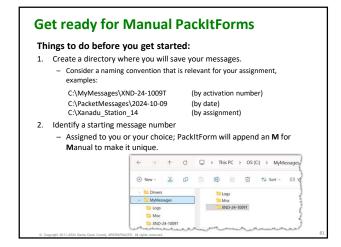
Manual PackItForms

Fortunately, PackItForms is a message creation system designed to work with both Outpost or as a <u>standalone</u> solution for forms-based messages.

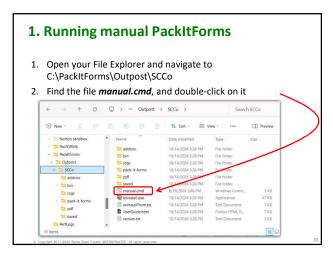
- Enhanced standalone message management, including:
 - Manages setting up and using user and tactical IDs
 - Takes care of message numbering
 - Includes a Plain Text message form
 - Creates a standalone ICS-309 log
 - Creates copy-ready text (all BBS commands) to paste into PuTTY
 - Easy message saving
- What's the same
 - Tight integration with Outpost
 - Supports all PackItForms
 - Formats a standard packet form for sending
 - Processes a received packet form

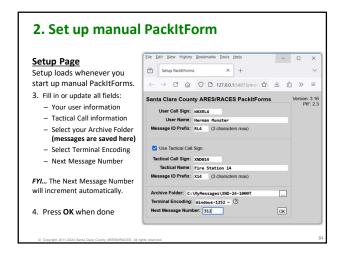
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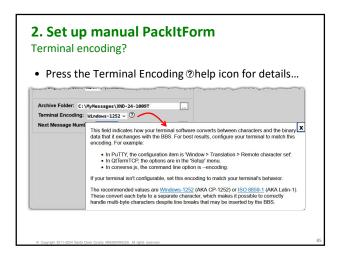
2	6

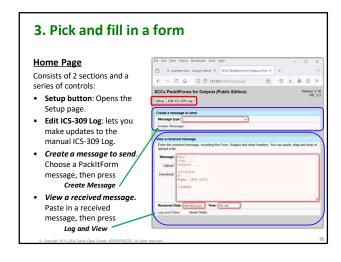


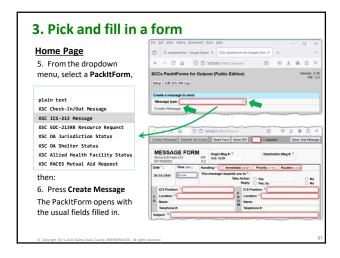
Manual PackItForm messages Manually create and send a PackItForm message 1. Run PackItForms with the manual.cmd 2. Set up your user ID, tactical ID, and other fields 3. Pick and fill in a PackItForm 4. Create the packet message 5. Send the message with PuTTY 6. Save a copy of the message

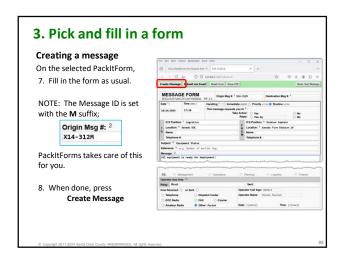


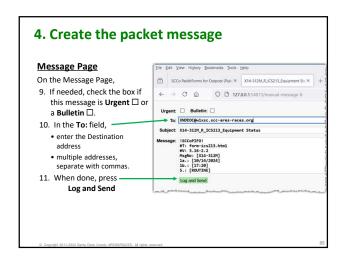


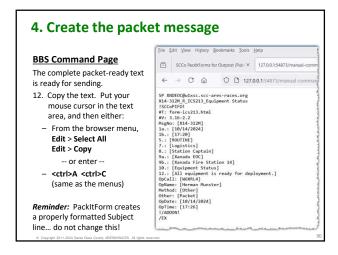




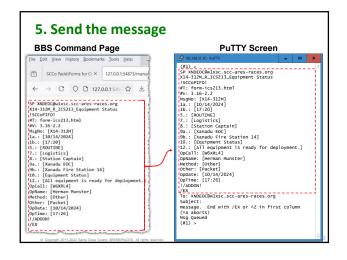


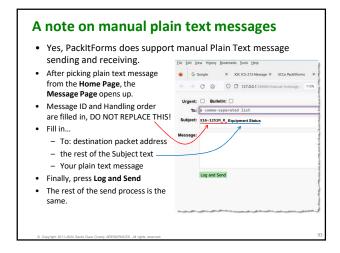




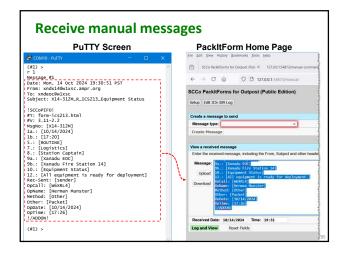


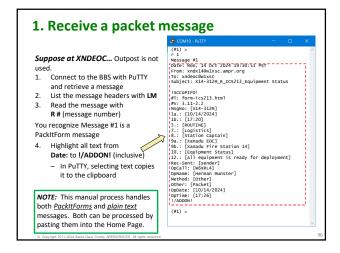
S. Send the message What are the Steps? 13. Make sure you previously copied the packet message from the BBS Command Page (previous page) 14. Start PuTTY 15. Connect to the BBS 16. Once at the BBS prompt: Put the cursor in the PuTTY text area after the BBS prompt, and then Mouse right-click to paste in the message. The complete packet-ready text is pasted into PuTTY and will start being transmitted to the BBS. Reminder: All SCCo BBSs have a 2-minute inactivity timer!

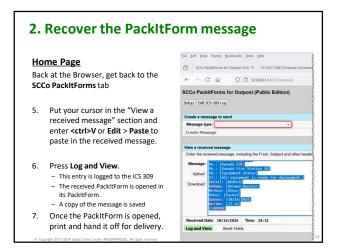




Manual PackItForm messages Receiving messages 1. Receive messages from the BBS using PuTTY 2. Save the message 3. Once you have the message saved, delete the message off of the BBS (use the Kill # command) Note: All SCCo BBSs have a 2-minute inactivity timer!



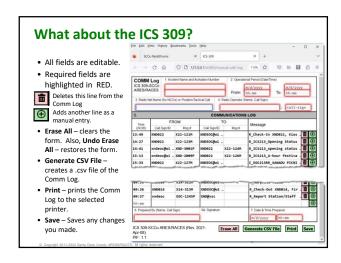




Sidebar: A Note on Outpost tags • Messages sent from Outpost occasionally have "tags" inserted in messages that you might see. • Some of the more common tags are: • IRRR! Request Read Receipt • IRDR! Request Delivery Receipt • ISCCOPIFO! This is a PackItForm message • I/ADDON! The end of a PackItForm or other Addon message • IUG! Mark message as urgent (lists as RED in the Outpost listing) • PackItForms will ignore many Outpost tags that it sees and they will not show up in the message.

Take a look at your C:\MyMessage\X14-24-1009T\ manual message directory (or whatever you named it). The message's Subject field is used for the file name. Clicking on the "Name" column header sorts messages by file name. Clicking on the "Date Modified" column header sorts by file timestamp. These views can help with managing your messages. Submit a copy of this directory with your paperwork when done. **MyAdessigns** **

What about the ICS 309? Manual PackItForms comes with its own ICS 309 Log, similar to what Outpost does. From the PackItForm Home Page, when you click on Log and View, you write a new ICS 309 Log entry for this message. From the PackItForm Home Page, when you click on Edit ICS-309 Log, you open the ICS 309 form for editing and printing.

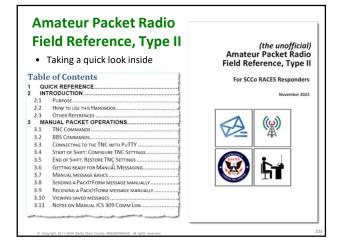


Manual packet operations; not many changes

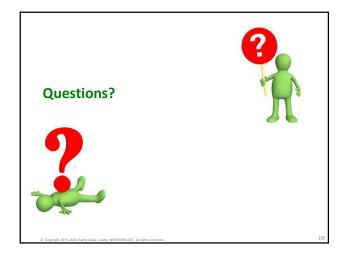
This is a tool change, not a process change

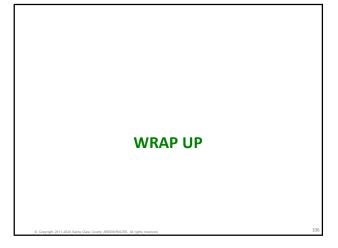
- 1. First Shift...

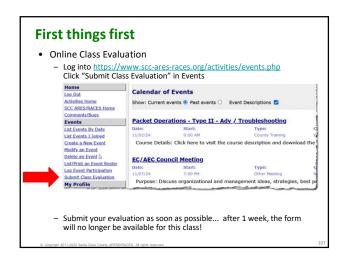
 - a. Show up, request a safety and assignment briefingb. Find a workspace for your packet operations
- 2. Initial station setup...
 - a. Find, assess, and set up the packet station
 - b. equipment check-out
- 3. Packet Operations...
 - a. Download notices, send yourself a test message
 - b. Send the formatted check-in message with your Tac Call
 - c. Manage the message flow
- 4. Incoming Shift Change...
 - a. Request a safety and assignment briefing
- Outgoing Shift Change..
 - a. Archive the event documentation
- Securing Operations...
 - a. Send the formatted check-out message with your Tac Call
 - b. Archive the event documentation
 - Shutdown



Could manual packet ops really happen to me? • Better to be safe than sorry... Build your USB packet thumb-drive now! • Directories (suggested) - x:\Programs - putty installer (https://www.putty.org/ - Putty standalone executables (https://www.putty.org/ - Alternative binary files) - SCC Packet Installer - https://www.scc-ares-races.org/data/packet/client-software.html - SCC PiPcO-onlyinstaller (-download_dip-Scccetupi63Cpub_includes\SccoPiPCosetup3.16pub.exe) - Office Libre Portable version (https://www.libreoffice.org/download/portable-versions/) x:\SCC Notices CONTINUES downloaded text version Archive of the Outpost SCC Notices directory to reload if necessary x:\TNC Init files - x:\Docs KPC3 TNC Manuals County References... (https://www.scc-arestext version, seven total x:\Miscellaneous • Pre-defined messages to be edited prior to sending races.org/data/packet/index.html) JNOS References Unofficial Packet Radio Field Ref, Type III Unofficial Packet Radio Field Ref, Type II x:\MyMessages\<event> • Or whatever directory name you choose







Exercise Scenario

- You've been dispatched by the Xanadu EOC to provide communications for a field location.
 - Your tactical Number:

(Assigned by your instructor)

Your tactical call:

XND0## (Assigned by your instructor)

Your Message Prefix: X##

Your assignment Name: Xanadu Post ##

- Operate using your home city's primary or secondary BBS.

Where "##" are the last two digits of your tactical call

- The EOC's tactical call is XNDEOC on W1XSC

- You arrive at your assignment and set up the station but discover that Outpost on the packet PC does not work! Looks like you need to do all packet operations manually.
- Your assignment was mailed to you ahead of time.

Thank You!

Please complete the Course Evaluation on or before next Saturday 9-November!

Please complete the Assignment on or before next Saturday 9-November!

Office Hours:

Sunday, 3-November, 3:00p to 4:30p (zoom) Wednesday, 6-November, 7:30p to 9:00p (zoom)

If you have questions or feedback about this or other training activities, you can join our packet discussion group. https://scc-ares-races.groups.io/g/packet

kn6pe@arrl.net

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