



# Packet Type III Part B



Santa Clara County ARES®/RACES/ACS Last Updated: 2 October 2023

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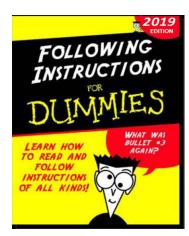
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### **HOUSEKEEPING**

- Introductions
- Pen/pencil & paper
- Cell phones
- Side conversations
- Questions
- Corrected Handouts
- Breaks
- Restrooms (code: 9033)
- 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 Exercise workbook

### Packet Type III, Part B

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

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

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### **Learning Objectives**

At the end of this class, you should know how to:

- Verify the setup of an existing packet station
- Select a BBS and connect to it
- Create a message with Outpost and PackItForms
  - Properly format the subject line
  - Send a proper check-in message
- Retrieve SCCo notices and send local notices
- Produce event documentation for archiving
- Conduct packet messaging field operations

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### **Fictitious Examples**

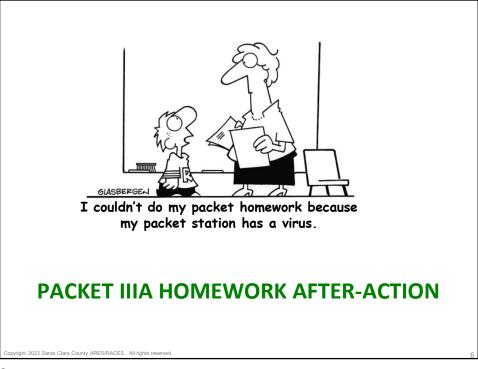
- We use fictitious call signs in this presentation to avoid SPAM
- W6XRL4: Herman Munster



• XNDEOC: City of Xanadu Emergency Operations Center



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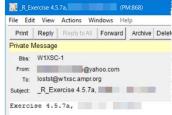
### **Type III Part A Homework observations**

- For the most part, everyone did quite well.
- Held 2 office hours, about 6 folks showed up with various questions from on the homework and BBS access.

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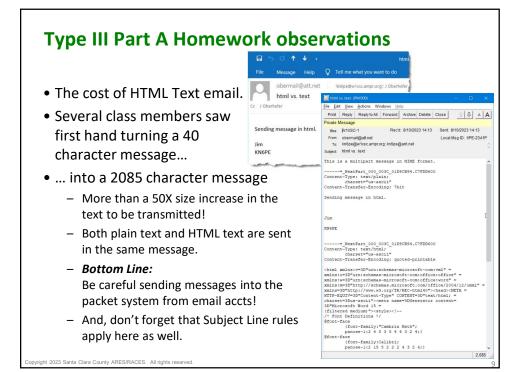
### **Type III Part A Homework observations**

- Messages from the internet ...
- These look like manual messages created on home email accounts.
- What happened to the Message ID?!
- If you intend to originate a message from the Internet into the Packet-world, then as a best practice, create and used your own Message ID sequence.



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### Packet 3A recap

- Packet Network Overview and Components
- Packet Station HW & SW
- Accessing the network
- · Standard workflow
- Working with messages
- · Customizing message handling
- Miscellaneous Outpost settings
- Localizing packet

How does this all fit together during a field deployment?

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### Thinking in terms of a Packet Field Deployment

- 1. First Shift... when assigned to start up a station
- 2. Initial station setup... equipment check-out
- 3. Packet Operations... managing the message flow
- 4. Incoming Shift Change... if you are relieving someone else
- 5. Outgoing Shift Change... if you are being relieved
- 6. Securing Operations... when directed to shut down

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### 1. First Shift

**Packet Field Deployment Process** 

- 1. First Shift: Establishing a packet station
  - Inform Resource Net Control that you have arrived. Check out of the Resource Net before you leave your car.
  - Check into the assigned voice net before you leave your car. Start an ICS 309 Comm Log for the voice net.
  - 3. Make an ICS 214 Unit log entry.
  - 4. Sign in on the site's ICS 211 Check-in sheet.
  - 5. Find the supervisor and inform them of your arrival.
  - Request a safety and assignment briefing; get details on any siteor event-specific conditions that exist. You need to know:
    - a. Supervisor's Name
    - b. Activation Number
    - c. Operational Period
    - d. ICS Location
    - e. Your Tactical Call and Message ID Prefix
    - f. BBS to use
    - g. Band and frequency
    - Primary and secondary packet addresses for any preferred destinations
- Find and establish the workspace to set up packet operations.

# 2. Initial setup Packet Field Deployment Process 2. Initial setup: Equipment check-out ✓ 8. Find, assess, and setup the packet radio equipment (see Section 3, Packet Startup Procedure) ✓ 9. Confirm or set your User Identification (FCC Call Sign) and Tactical Call for the assigned agency. ✓ 10. Check settings before transmitting: Correct BBS in Outpost Correct Interface in Outpost Correct Interface in Outpost Correct radio frequency 11. Begin packet operations. Make ICS 214 Unit log entry.

### 3. Packet Operations **Packet Field Deployment Process** 3. Packet Operations: Managing the message flow 12. Download all notices to ensure you have the latest; read them. 13. Set up a folder named "SCC Notices" (Tools > General Settings, Startup tab) and move all notices to this folder. 14. Send a test message to yourself to confirm you can create, send to, and receive from the assigned BBS. 15. Create a Check-In message to your assigned agency using your Tactical call sign (see Section 5 Check-in, Check-out Message). 16. Send, receive, log and process packet messages. To only send a message as soon as it is created, use Actions > Send Only 17. Manually initiate an Outpost Send/Receive at least every 10 minutes. 18. If a message was not acknowledged: a. Check the message address and BBS Resend the message if needed c. Let your supervisor know ... more

### 3. Packet Operations (continued)

**Packet Field Deployment Process** 

- 3. Packet Operations: Managing the message flow
- ✓ 19. If new notices are retrieved, follow any new instructions.
  - 20. Maintain voice radio contact on the designated voice net.
  - 21. Make ICS 214 Unit log entries as appropriate.
  - Report any issues or problems to your supervisor in person or over the voice net (if remote).

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### 4. Incoming Shift Change

Packet Field Deployment Process

- 4. Incoming Shift Change: If you are relieving someone else, do the following:
  - 23. Inform Resource Net Control that you have arrived. Check out of the Resource Net before you leave your car.
    - 24. Sign in on the local ICS 211 Check-in sheet.
  - 25. Find the supervisor and inform them of your arrival.
  - 26. Request a safety and assignment briefing; get details on any siteor event-specific conditions that exist.
    - Find the person you are relieving and receive a shift change briefing (see Shift Change Information below).
- 28. Make packet system updates Station ID, Tactical Call, etc.
  - 29. Make all relevant shift change entries in your ICS 214 Unit log.

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5. Outg	oing Shift Change: If you are being relieved, do the following:			
·	<ol> <li>When contacted by your replacement, provide a shift change briefing (see Shift Change Information below).</li> </ol>			
<del></del>	31. Generate and sign a packet ICS 309 Comm Log for your shift.			
	<ol> <li>Generate all event packet documentation for your shift and deliver as instructed (see Section 10 Archiving Event Documentation).</li> </ol>			
	33. Turn over all assigned equipment to your replacement.			
	<ol> <li>Find your supervisor and inform them of the shift change and your departure.</li> </ol>			
	<ol> <li>Make the appropriate shift change entries in your ICS 214 Unit log. Complete and sign the form.</li> </ol>			
	36. Turn in all paperwork to your supervisor.			
n	37. Sign out on the site's ICS 211 Check-in sheet.			
0	<ol> <li>Check into the Resource Net. Inform Net Control what you plan to do (go home, return to EOC, etc.).</li> </ol>			

### 6. Securing Operations **Packet Field Deployment Process** 6. Securing Operations: when directed to shut down, do the following: 39. Get permission from your supervisor to shut down. 40. Create a text Check-Out message to your assigned agency using your Tactical Call sign (see Section 6 Check-in, Check-out 41. Generate and sign a packet ICS 309 Comm Log for your shift. 42. Generate all event packet documentation for your shift and deliver as instructed (see Section 8 Archiving Event Documentation). 43. Complete and sign your ICS 214 Unit log. 44. Shut down and pack up all assigned equipment. 45. Turn in all paperwork to your supervisor. 46. Sign out on the site's ICS 211 Check-in sheet. 47. Check out of the assigned voice Net and check in with the Resource Net. Inform Net Control what you plan to do or where you will go.

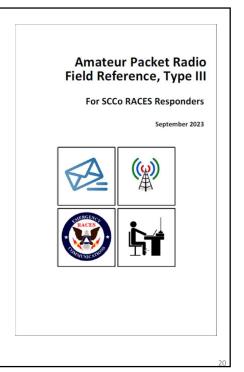
## Amateur Packet Radio Field Reference, Type III

### What is it

- Provides a reminder (job aid) for how to perform tasks that need to occur during a packet field deployment.
- Helps ensure task consistency, completeness, and operational alignment with SCCo RACES policies and procedures.

### What it is not

- the only source of information on which you should rely.
- an official SCCo RACES deliverable.



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### Initial Setup - Scenario

- Upon arrival at your assignment, your supervisor explains that someone from the local ham club tried to get the packet station working. They were unsuccessful and had to leave.
- He takes you over to the hardware:



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### No Problem! ... Right?

- Assembling and configuring a packet station is simple
- And problems are rare, especially for regular users
- But at some point ...
  - ... especially when using someone else's gear,
  - ... you may face at least one of these problems
- Use a logical process to find and resolve problems

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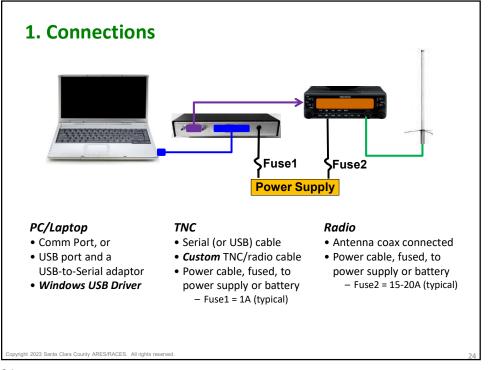
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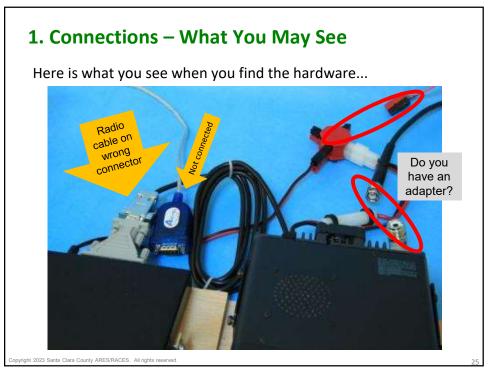
### **Verifying Packet Station Readiness**

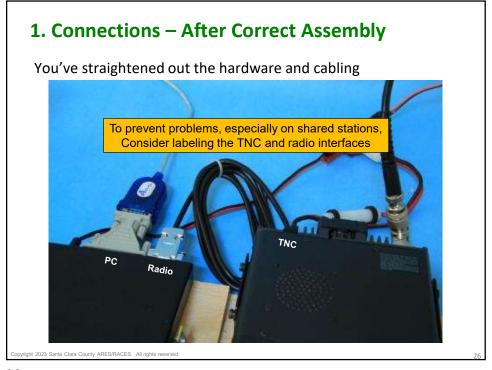
- 1. Connections
- 2. Initial power-up
- 3. Equipment settings
- 4. Application settings

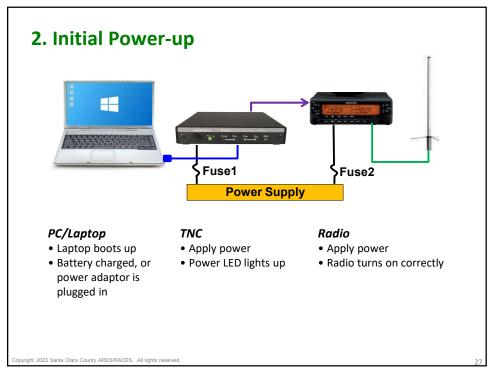
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### 2. Initial Power-up - TNC

IF: TNC power cable is plugged directly into a RigRunner



- AND: TNC's power light is on
  - You may or may not notice that it appears a little dimmer than usual.



 BUT: No response from the TNC via a serial connection; it behaves like it's turned off.

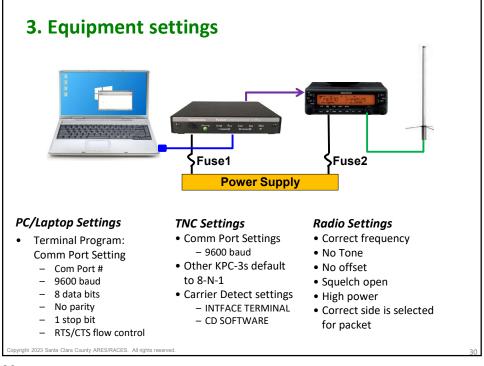
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### 2. Initial Power-up - TNC

- THEN: It probably IS off!
- Check the RigRunner. Is there a red light on behind the fuse?
  - Replace the fuse
  - RigRunner lights an LED behind the fuse when the fuse is burned out
  - But the current needed to power the fuse LED is just barely enough to light the power light on the TNC (dimly)!
- Or, try another port on the RigRunner.
  - Your model may not have an LED light or it may not be working
- Or, try another power cord
- Avoid blowing a fuse:
  - ALWAYS plug the power cord into the TNC first, then into the power source.
  - This avoids the chance of the TNC power connector plug tip touching the TNC chassis, thereby shorting positive to ground, and blowing the fuse

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### 3. Equipment settings – TNC

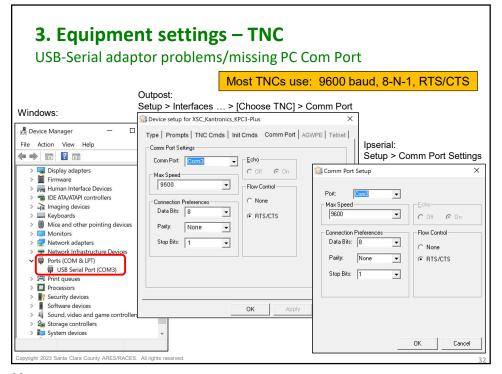
What could go wrong?

### Meaning, what are the symptoms?

- 1. Can't find the Com Port for my USB-Serial adaptor
- 2. TNC is stuck in Autobaud routine
- 3. When I type something, I see garbled text
- 4. Can't communicate with the TNC
- 5. Wrong audio output level

If you are stuck here and cannot 'talk' to the TNC, do not even try to proceed to the next step!

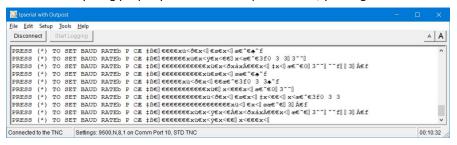
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### 3. Equipment settings - TNC

**KPC-3's Autobaud Routine** 

With everything properly connected and powered on, you might see this...



- This is the **KPC-3 Autobaud** routine that assures that the KPC-3 Plus baud is the same as that for whatever communication software you are using.
- AUTOBAUD sends and resends the message "PRESS (\*) TO SET BAUD" at one baud after another.
- When the KPC-3 baud matches that of your terminal program, you can read the text.
- When the two bauds do not match, the message appears garbled, if it appears at all.

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### 3. Equipment settings – TNC

**KPC-3's Autobaud Routine** 

- WHEN does this occur:
  - The first time your KPC-3 Plus is ever used (from the factory)
  - Dead TNC memory battery
  - User performs a hard reset with the RESTORE DEFAULT command
- HOW to fix:
  - Get ready... when you clearly see the PRESS (\*) TO SET BAUD RATE text, immediately press the "\*" key.
  - Then, enter the following commands:

ENTER YOUR CALLSIGN=> W6XRL4 cmd: INTFACE TERMINAL cmd: CD SOFTWARE

(your call sign or tactical call) (enables the full TNC command set) (TNC Carrier Detect is performed in software; lets you keep the radio squelch open)

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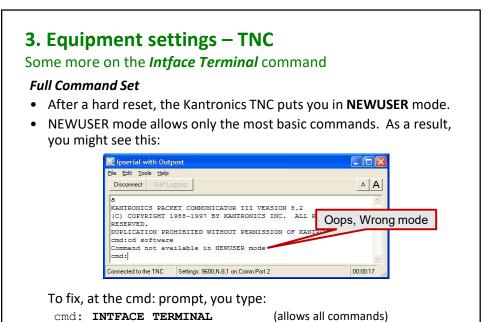
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### 3. Equipment settings – TNC

More on the TNC Carrier Detect command

- We recommend operating the packet station with the squelch on the radio fully open (static/hiss all the time)
  - Allows the TNC to receive the weakest of signals
  - Unaffected by poorly chosen squelch level on the radio
- If squelch is open and the TNC's "Receive" light is on all the time, then the TNC's carrier detect mode is incorrectly set
- After setting CD SOFTWARE, the TNC's "Receive" light is only on when packets are heard
- To do that for a Kantronics TNC, at the TNC Prompt, enter:
  - cmd: CD SOFTWARE
  - Carrier Detect performed by the TNC software, not squelch-dependent
  - Other TNCs default to this option (Timewave) or have a different command for this option; check your TNC manual

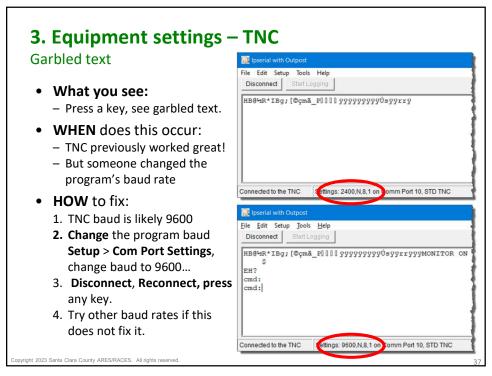
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Now, the RCV light only lights when the TNC hears packets

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cmd: CD SOFTWARE

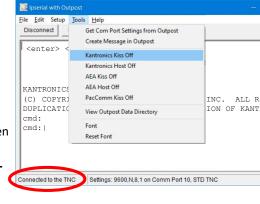


### 3. Equipment settings – TNC

Can't communicate at all with the TNC (#1)

- What you see:
  - TNC previously worked great!
  - The cable, USB drivers, and power are good, and no blown fuse
  - But Press any key and I get no reply
- WHEN might this occur:
  - Someone or some program put the TNC in KISS mode
- **HOW** to fix:
  - 1. Start Ipserial
  - 2. Verify the TNC Com Port and baud rate
  - ${\it 3. \ Verify \ Com \ Port \ Connect, \ then}$
  - 4. Tools > Kantronics Kiss Off
  - 5. TNC is restored to **TERMINAL** mode

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### 3. Equipment settings - TNC

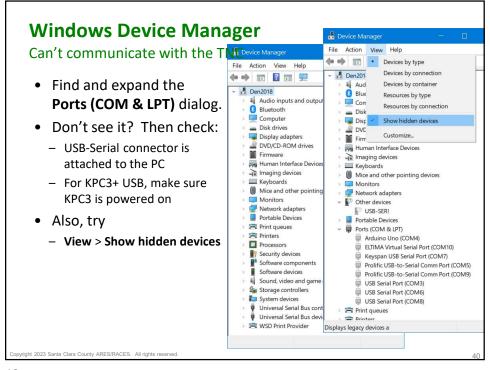
Can't communicate with the TNC (#2)

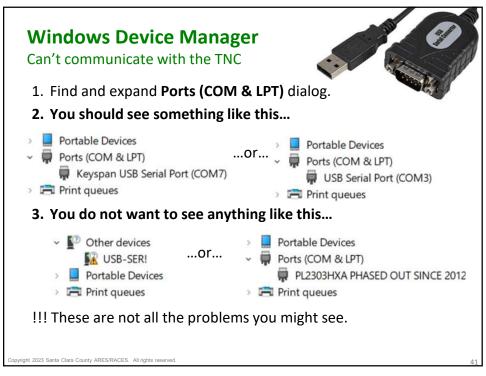
If you have a **USB-Serial Adaptor**, it is likely to be a problem with the **USB-Serial Adaptor Driver**.

Windows Device Manager is next.

- Device Manager is a Microsoft Windows O/S tool.
- It allows users to view and control the hardware attached to the computer.
- When a piece of hardware is not working, the offending hardware is highlighted for the user to deal with.
- To run Device Manager...
  - 1. Press Windows key + R key together to open a Run box.
  - 2. Type **devmgmt.msc**, press **OK**. Device Manager opens.
  - 3. Or, enter **device manager** in the Windows Search field on the task bar... Device Manager opens.

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### Yes, you have a problem... now what?

Can't communicate with the TNC

- Troubleshooting USB-Serial driver problems is a class by itself... we do not have time to cover it here.
- However, here are 5 (not all) things you can do:
  - 1. Review the SCCo RACES USB-to-Serial Adapter page... Data Networking > AX.25 over VHF > Equipment and Software > USB-to-Serial Adapter
  - 2. Post your problem or questions to the packet email list. It is likely there are SCC RACES packet ops who have encountered and solved this problem before.
  - 3. If you know the USB-Serial adaptor chipset, try searching, downloading, and installing its Windows driver.
  - 4. Buy yourself a new USB-Serial Adaptor, then label it, practice with it, build confidence with it, put it in your packet kit, and deploy with it.
  - 5. Lastly, if you have a bunch of old, unknown, or confirmed non-working USB-Serial Adaptors in your junk box, then throw them out NOW and save yourself from future headaches.

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### 3. Equipment settings – TNC

Wrong audio output level

- The TNC sets the audio output level (transmit drive audio) to your radio.
- The transmit drive level can be set from the command line, but it implies you know to what value it should be set.
- While calibrating the drive level is beyond the scope of this course, being able to view and set a previously determined value is in scope.
- To view the currently set transmit drive level:

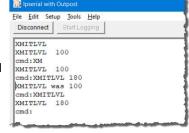
cmd: XMITLVL (XM for short command)

XMITLVL 100 (displays the value. Default=100, range is 0 to 255)

To set the transmit drive level:
 cmd:XMITLVL 180 (example)

XMITLVL was 100

 Most packet station owners will have the XMITLVL written down. If you cannot find it, see your Shift Supervisor.



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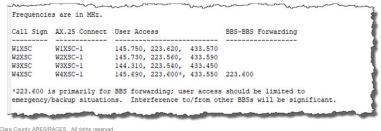
### 3. Equipment settings - Radio Frequency

• Use the correct frequency for your primary or secondary BBS

Call Sign	AX.25	User Access	BBS-BBS	BS-BBS Location	
W1XSC	W1XSC-1	145.750, 223.620, 433.570		Santa Clara Co Office Bldg (San Jose)	
W2XSC	W2XSC-1	145.730, 223.560, 433.590		Crystal Peak (South County)	
W3XSC	W3XSC-1	144.310, 223.540, 433.450		Palo Alto	
W4XSC	W4XSC-1	145.690, 223.600*, 433.550	223.600	Frazier Peak (above Milpitas)	

http://www.scc-ares-races.org/freqs/packet-freqs.html

The same information is available as a packet notice



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### 3. Equipment settings - Radio Settings

• Everything is now on. You are supposed to use the W2XSC BBS. But no packets are heard.

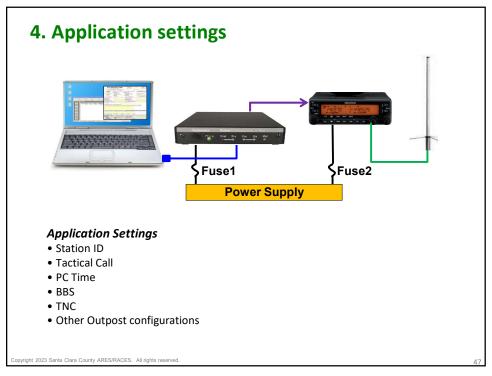


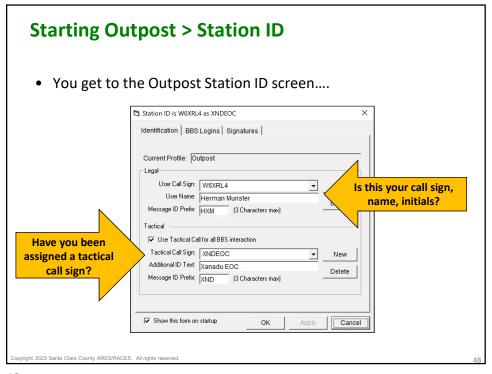
### 3. Equipment settings – Radio Settings

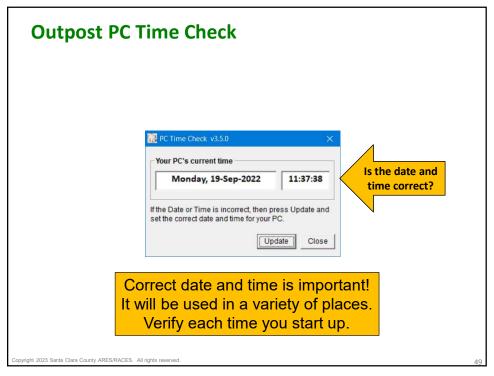
- You change the radio settings
  - High Power
  - Correct Frequency
  - Squelch is open (BUSY)
  - Correct side is set for packet (dual rcv/xmt radios, only)
    - Some radios "force" packet to a particular side

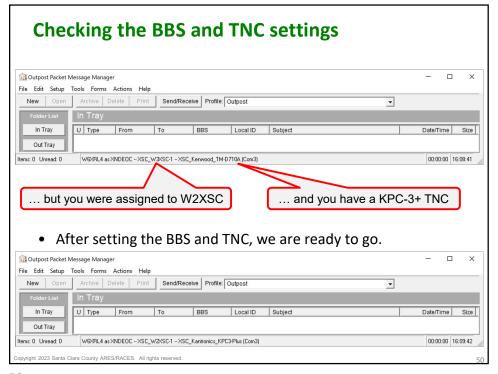


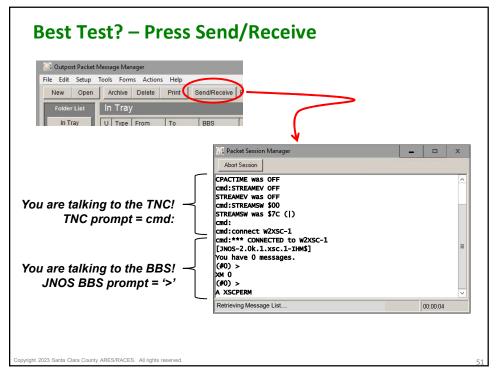
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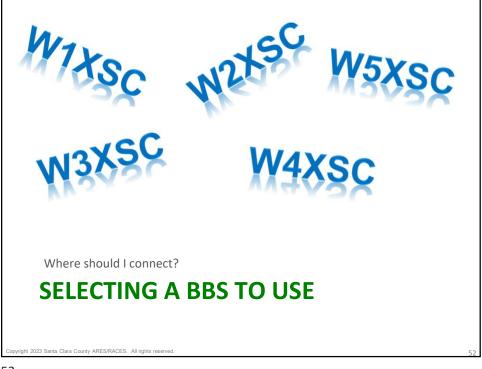












### **Selecting a BBS**

- Santa Clara County ARES/RACES operates six BBSs
  - FCC Call Signs: W1XSC, W2XSC, W3XSC, W4XSC, W5XSC, W6XSC
- All six are identical in function but operate independently to maximize survivability during disasters
- All six have appropriate addresses for AX.25 packet radio, the Internet, AMPRnet, BBS Network and NetROM

Call Sign	AX.25	Internet/AMPRnet	BBS Network	NET/ROM Alias
W1XSC	W1XSC-1	w1xsc.ampr.org	w1xsc.#nca.ca.usa.noam	XSCBB1
W2XSC	W2XSC-1	w2xsc.ampr.org	w2xsc.#nca.ca.usa.noam	XSCBB2
W3XSC	W3XSC-1	w3xsc.ampr.org	w3xsc.#nca.ca.usa.noam	XSCBB3
W4XSC	W4XSC-1	w4xsc.ampr.org	w4xsc.#nca.ca.usa.noam	XSCBB4
W5XSC	W5XSC-1	w5xsc.ampr.org	w5xsc.#nca.ca.usa.noam	XSCBB5
W6XSC	W6XSC-1	w6xsc.ampr.org	w6xsc.#nca.ca.usa.noam	XSCBB6

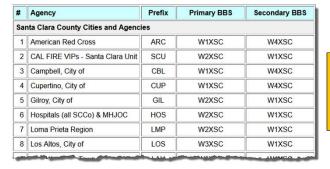
This information is also available as a packet notice in the xscperm area

https://www.scc-ares-races.org/freqs/packet-freqs.html

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### **Selecting a BBS**

- Each city/agency has a "primary" and "secondary" BBS
  - Minimizes hidden nodes
  - Distributes load on our radio channels
  - Eliminates BBS-to-BBS forwarding for messages within a single agency
  - Makes it easy to know where to send messages



This information is also available as a packet notice in the xscperm area

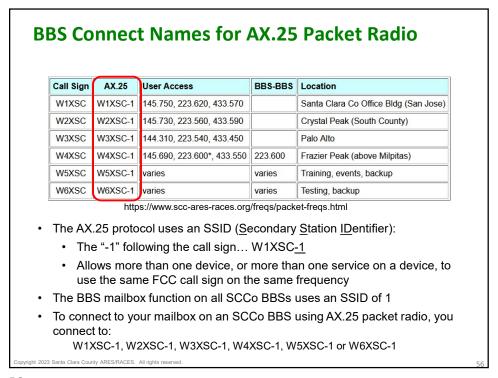
https://www.scc-ares-races.org/freqs/packet-freqs.html

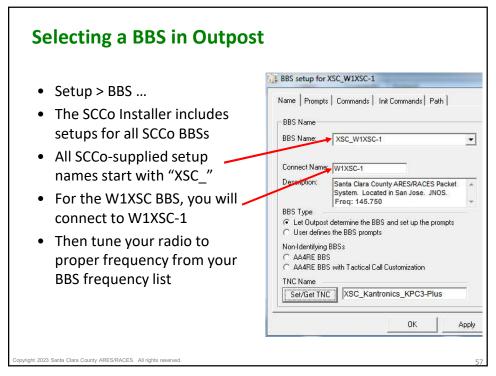
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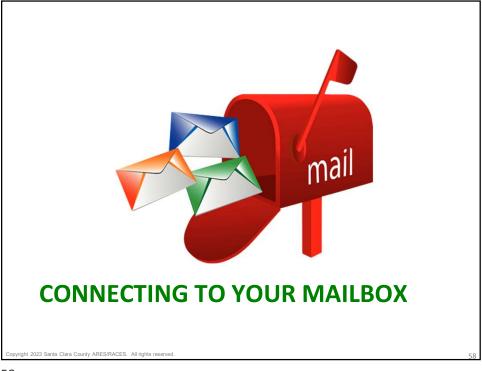
### **Selecting a BBS**

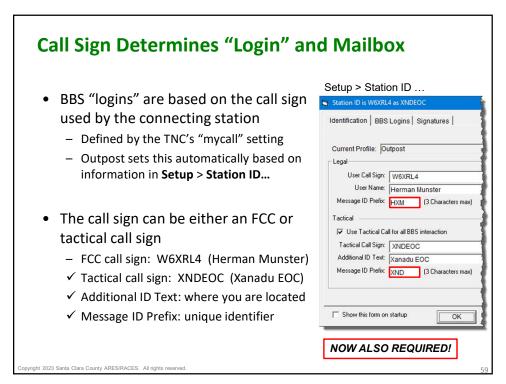
- Connect to the primary BBS whenever possible
- Otherwise, connect to your secondary BBS
- Otherwise, connect to whatever BBS you can reach
- Access frequencies
  - EOCs should use 1.25m (220) whenever possible, because ...
  - Most individual users will be on 2m or 440
- · Action Items
  - Print out and keep a copy of the Packet Frequencies and BBS Listing page in your go kit (maps cities to Tactical Calls to BBSs)
  - Keep a copy of the equivalent packet notices in an Outpost folder
  - Know your own primary and secondary BBS call signs!

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### **Tactical Call Signs**

- Tactical call signs must be *pre-defined* before use
  - Your City/Agency EC/AEC can request tactical call signs as needed https://www.scc-ares-races.org > Packet BBS > How to Request Tactical Calls
- You can connect to any SCCo BBS using any valid tactical call sign, but:
  - You should only do so when assigned by your city/agency
  - You should use the primary BBS for your agency
  - You should only use another BBS if authorized by your city/agency

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**CHECK-IN/OUT MESSAGES** 

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### **Check-In/Out Messages**

- Properly formatted Check-In/Out messages are important
  - Recipient can easily find them among other messages in the In Tray
  - They inform the EOC or other "net control" which stations are ready
  - They are part of DSW supervision
- General rules during field assignments
  - Check in and out using your assigned Tactical Call, not your FCC call
  - Check-in as soon as the station is ready
  - Check-out before shutting down the station using your Tactical Call
  - Always send as plain text messages
  - Always use [HandlingOrder] = "\_R\_"
    - Handling Order = R (Routine)
  - Always follow the standard subject line format
    - · With specific check-in/out details for subject and message body

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### **Check-In/Out: PackItForms** PackItForms includes a Check-In/Out message form - Option for both check-in and check-out messages Handles FCC call signs and Tactical Calls Correctly formats the subject line and message body → C @ O 127.0.0.1:56732/form-2 ication | BBS Logins | Signatures | Submit to Outpost | Submit via Email | Reset Form Current Profile: Outpost Message number: FS1-1772P OCheck In ○ Check Out Message ID Prefix: RL4 (3 Characters max) Name: Xanadu Station 1 ✓ Use Tactical Call for all BBS interaction Tactical Call Sign: XNDFS1 Additional ID Text: Xanadu Station 1 Message ID Prefix: FS1 (3 Characters max) Private Message Bbs: W1XSC-1 From: XNDFS1 Show this form on startup Subject: FS1-1772P\_R\_Check-In XNDFS1, Xanadu Station 1 Check-In XNDFS1, Xanadu Station 1 W6XRL4, Herman Munster

### **Practice: Weekly SPECS/SVECS Nets**



### What's new!

- There are no longer scheduled rotating BBS outages
- You do not have to create your own message content.
- You will send a message form that is virtually handed to you by viewing it on the instructions page.
- Visit <u>scc-ares-races.org/pacpractice</u> to get instructions!

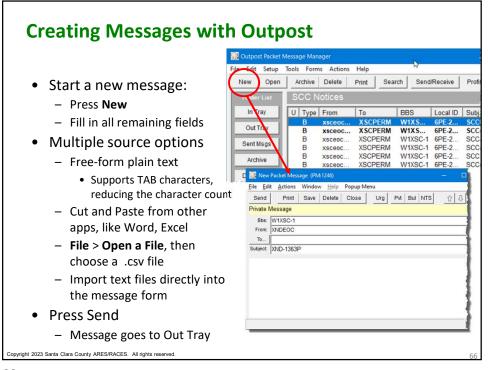
### • To participate:

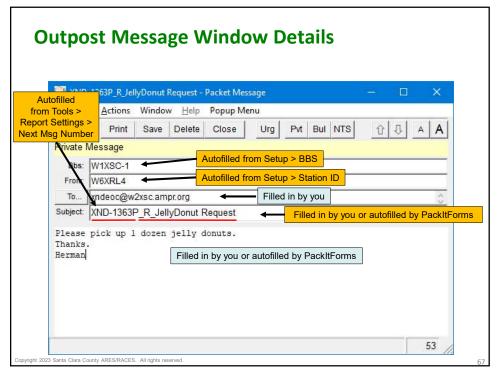
- Check in any time during the week before 19:00 on the day of the net
- The instructions are different each week
- Software will test your check-in for accuracy

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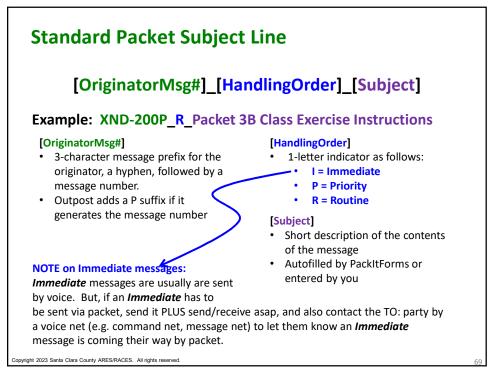


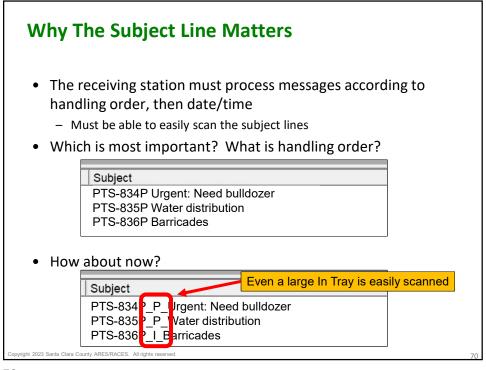


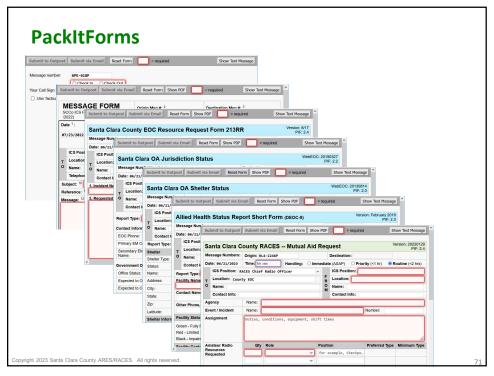


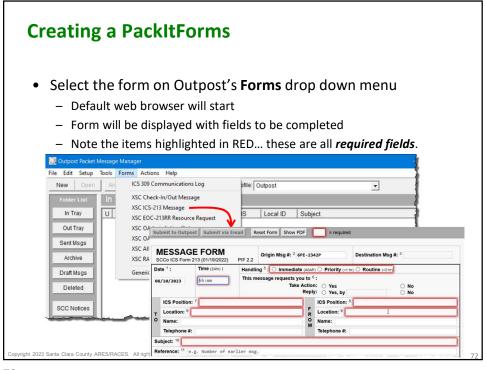
68

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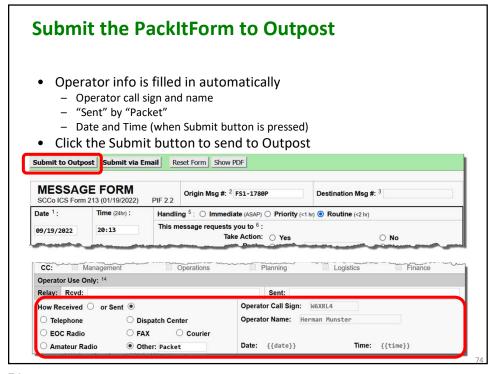
### Address it to whom?

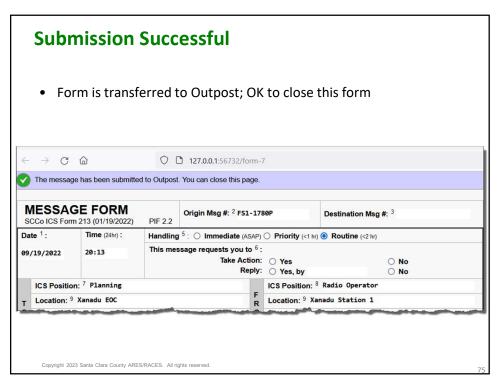
- SCCo ARES/RACES Recommended Form Routing Cheat Sheet
- PackItForms now auto-fills most forms with the
  - Handling Order
  - To Location
  - To ICS Position

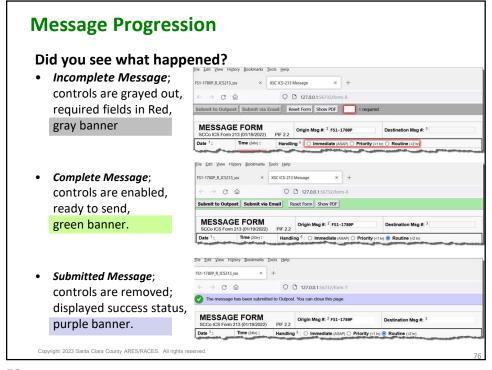
Form Type	Handling		To Location **	To ICS Position **
General EOC				
ICS-213 Message Form	Author defined		Author defined	Author defined
EOC-213RR Resource Request	If "Priority" (Field 11) is:	Then "Handling" is:	County EOC	Planning Section
	Now	Immediate (ASAP)		
	High (0-4 hrs)	Immediate (ASAP)		
	Medium (5-12 hrs)	Priority (<1 hr)		
	Low (12+ hrs)	Routine (<2 hrs)		
OA Jurisdiction Status	Immediate (ASAP)		County EOC	Situation Analysis Unit Else: Planning Section
OA Shelter Status	Priority (<1 hr)		For city-managed: City EOC For county-managed: County EOC	Mass Care and Shelter Unit Else: Care and Shelter Branc Else: Operations Section

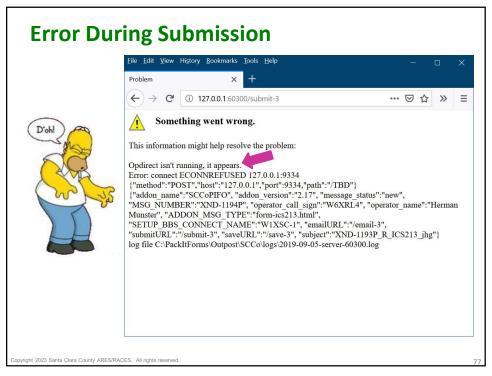
<u>https://www.scc-ares-races.org/</u> > Forms & Signs > Go Kit Forms

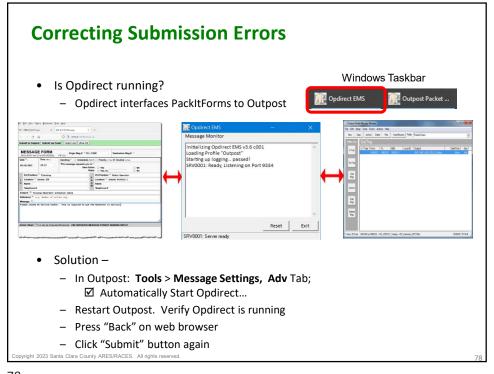
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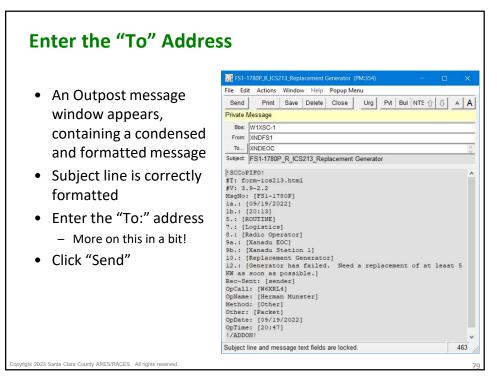


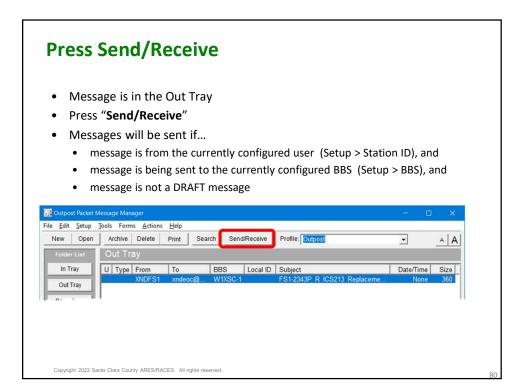


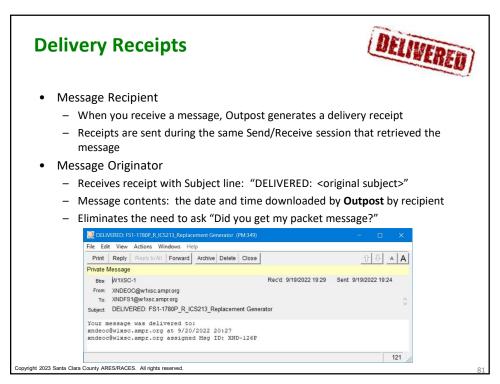


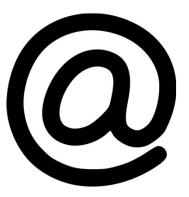












### ADDRESSING RECAP

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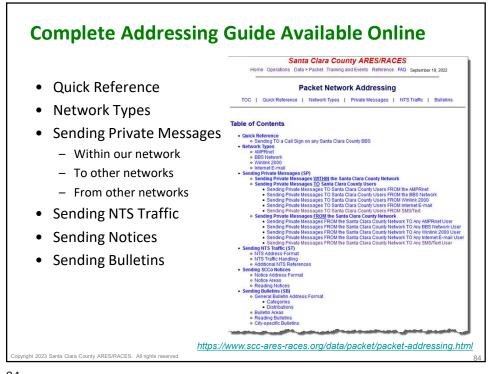
## **Top 5 Addressing Take-aways**

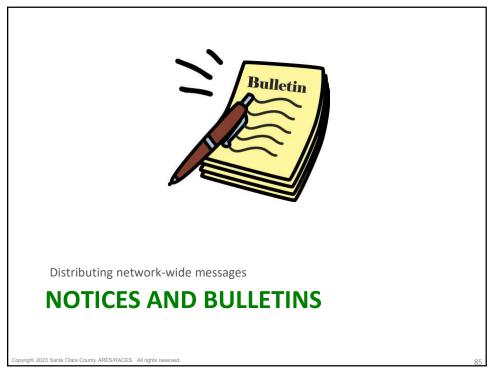
 Addresses within the SCCo packet network use the standard Internet-style username@domain address format: usercall@bbscall.ampr.org examples: W6XRL4@w2xsc.ampr.org

XNDEOC@w4xsc.ampr.org

- 4. Three different addressing formats for sending messages:
  - To: W6XRL4@w2xsc.ampr.org ... Full address always works!
  - To: W6XRL4@w2xsc ... At least always add the bbscall sign
  - To: W6XRL4 ... Do not use this shortcut
- 3. Always send to the user's **Primary BBS**, unless
  - a) that BBS is down (then, use their Secondary BBS), or
  - b) that user cannot reach his/her primary BBS (bad location), or
  - c) you are told to use a different BBS
- 2. When sending from email to a packet address, send as a plain text e-mail
- Read and understand the *Packet Network Addressing Guide!* <a href="http://www.scc-ares-races.org/data/packet/packet-addressing.html">http://www.scc-ares-races.org/data/packet/packet-addressing.html</a>

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### **Notices and Bulletins: Overview**



- Bulletins are messages intended for a broad audience
  - They are a great way to get information out to everyone
  - Better than a mailing list; no need to know all the desired addresses
  - When configured, Outpost will take care of retrieving them for you
- The SCCo BBSs support two types of bulletins
  - SCC Notices are a special type of bulletin specific to Santa Clara County BBSs
    - Only distributed to SCCo BBSs (W\*XSC)
    - · Simple to address
    - SCCo uses 3 special Notice categories
  - General bulletins are used for wider (local to worldwide) distribution
    - Organized by general categories (e.g.: "equake", "ARES"), and
    - Distribution ID defining how widely it is distributed (e.g.: "XSC", "BAY", "NCA", etc.).
    - Outside the scope of this class (will cover in the Packet Type 2 Class!)
- Regardless of the bulletin type, when configured in Outpost, they will automatically be downloaded

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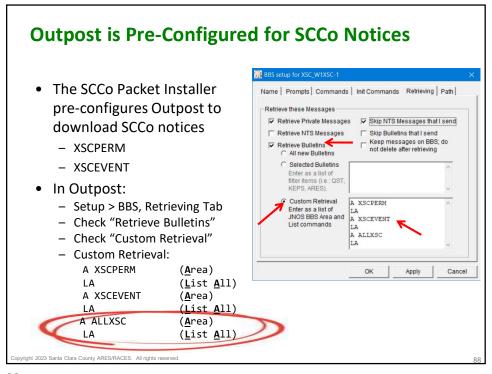
#### **SCCo Notice Areas**

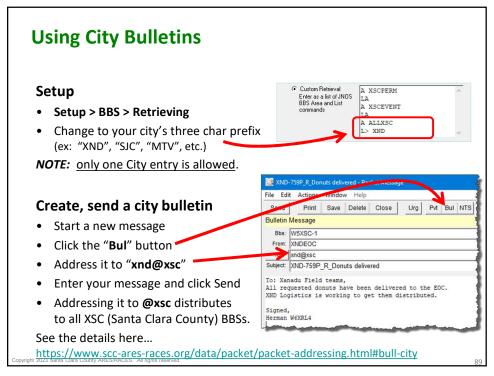


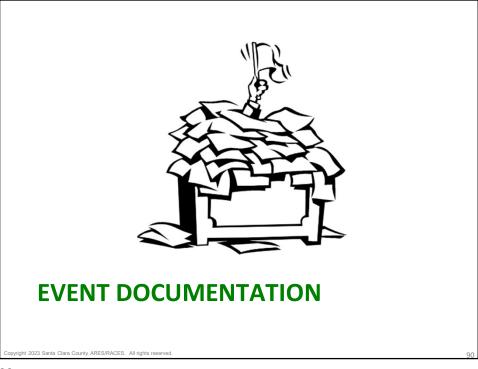
- SCCo ARES/RACES has four special notice categories:
  - xscperm
    - Used for notices that do not expire
    - examples: standard county procedures
  - xscevent
    - Notices posted here automatically expire after 8 days
    - · examples: Drills, public service events, incidents, other activations
  - xsctest
  - allxsc
    - Where you can write city and jurisdiction notes
    - Notices posted here automatically expire after 8 days
- Advantages
  - Limits on-air time required to check bulletins
  - Focuses readership so important information is not missed
  - Outpost only downloads a notice once

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### **Accuracy and Completeness**



Excerpts from the FEMA | Office of Inspector General report titled "Summary of Key Findings of Fiscal Year 2016 FEMA Disaster Grant and Audits"

- "Over the 7-year period, FYs 2009 to 2015, we found \$1.64 billion, or 15 percent, in questioned costs out of the \$10.9 billion that we audited, which we recommended FEMA disallow as ineligible and unsupported costs."
- "In fiscal year 2016, we found \$155.6 million, or 23 percent, in questioned costs out of the \$686 million that we audited, which we recommended FEMA disallow as ineligible and unsupported costs."

In cases where FEMA payments were made and claims later disallowed, recipients were required to repay these payments, with audits sometimes taking place years later.

Because our documentation could be a used as part of the City's justification for either an expense reimbursement or cost recovery request, ensuring the accuracy and completeness of what we submit is critical.

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### **Archiving event documentation**

#### Introduction

- The job is not done until the paperwork is complete... and submitted.
  - Every scrap of paper used during an activation is part of the event or incident and goes to the Documentation Unit (or your Supervisor)
    - It must be legible (print)
    - · Use one side only
  - These are legal documents that may be needed to defend decisions
  - Most of this documentation is 'discoverable'
  - If it is not in the documentation, then it did not happen
  - Some documentation is specifically created after the event or incident, such as the After Action Report
- And, all this applies to our packet operations

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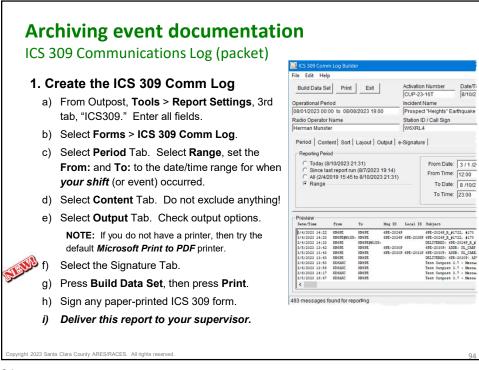
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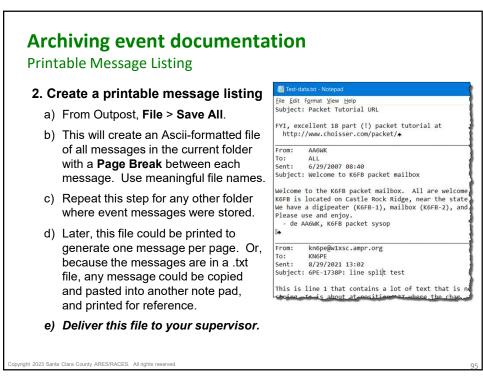
# **Archiving event documentation**

#### Introduction

- · During a Packet Deployment, you will produce the following:
  - 1. ICS 214-SCCo Unit Activity Log
  - 2. ICS 309-SCCo Communications Log (if participating on a voice net)
  - 3. All third party sent & received PackItForms and plain text messages
  - 4. All sent and received operator to operator packet messages
  - 5. ICS 309 Communications Log (packet)
  - 6. Any Form 1 / hand-scribbled / sticky notes, documentation.
- Whether it be an exercise or a real activation, when your shift is over, your supervisor will provide instructions on wrap-up tasks that need to be done. These can include:
  - Submitting all documentation (to whom and how)
  - Preparing the packet station for the next use, including archiving your shift or the event

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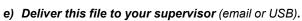


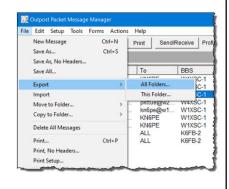
### **Archiving event documentation**

Message Archive

#### 3. Create a Message Archive

- a) From Outpost, File > Export, then select "All Folders" (for your entire system).
- b) Use meaningful file names.
- c) The Export process will create an Outpost Archive File (.oaf).
- d) This file later can be imported back into Outpost to restore the archived messages to their original folders.



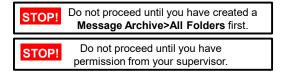


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## **Archiving event documentation**

Reset Outpost for the next event

4. Reset Outpost for the next event



- a) If not already done, set up the SCC Notices message folder
  - a) Tools > General Settings, Start tab.
  - b) Set the name of one of the folders to **SCC Notices**.
  - c) Move or drag all SCC Notices into this folder.
- b) Export (backup) the SCC Notices folder:
  - a) click on this folder. Then File > Export, select This Folder
  - b) Give it a name, like "SCC\_Notices-yymmdd". Press OK.
  - c) Verify that all messages (6 today) were exported.
  - d) FYI... your file is in the C:\SCC Packet\archive directory

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## **Archiving event documentation**

Reset Outpost for the next event

- 4. Reset Outpost for the next event (continued)
  - c) Delete all Outpost messages:
    - a) Go to File > Delete All Messages, answer Yes at the prompt.
       All your files are deleted.
  - d) Restore the SCC Notices:
    - a) File > Import, select the file, press OK
  - e) You now have a clean system for the next event or incident.
  - f) Inform your supervisor that this task is complete.

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# **OUTPOST TIPS**

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## **Resend option**

#### You did what?!!?

- You just sent a message, but ...
  - it was addressed incorrectly, or
  - it was sent to the wrong BBS, or
  - you forgot to include all recipients, or
  - it was incomplete, or
  - it was the wrong message, or
  - any number of other problems!

And, you don't want to type it all back in! What now?

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# **Resend option – Text Messages**

Outpost's **Resend** option lets you resend a message previously sent. For <u>Text Messages...</u>

- From the **Sent** folder, open the message
- Click on Actions > Resend...
   choose either option
- The message is opened in edit mode.
- Make whatever changes you need to make, then
- Press Send, then Send/Receive as usual.



**NOTE!** If you select **Resend, Same Msg ID,** then manually change the Message ID -###<u>P</u> to -###<u>R</u> for <u>Resend</u>. This ensures no duplicate message confusion.

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### **Resend option – PackItForm Messages**

Resending *PackItForm Messages* depends on your option.

Send Only

Open a Message

Open enhanced msg in client

Open enhanced msg as text

iables | Reports | ICS 309 |

Organization: Cupertino Citizens Corps

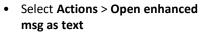
City: City of Cupertino

6PE-1742P\_R\_MuniStat 6PE-1740P: URL testing

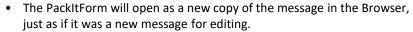
6PE-1738P: truncation 6PE-1736P: trincation t 6PE-1731P R MuniSta

For Same Message ID...

 From the Sent folder, single-click on the message to highlight it (not open it)



 Once the text version of the form opens, click on Actions > Resend... choose Same Message ID



Make other changes and continue as usual.

**NOTE!** If you select **Resend, Same Msg ID,** then manually change the Message ID -###<u>P</u> to -###<u>R</u> for <u>Resend</u>. This ensures no duplicate message confusion.

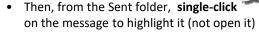
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## Resend option - PackItForm Messages

Resending *PackItForm Messages* depends on your option.

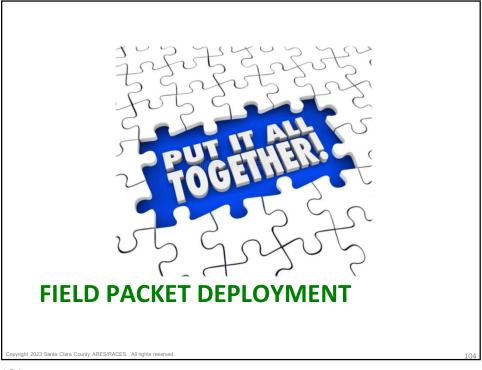
#### For New Message ID ...

- First get the Next Message Number
  - In Outpost, Tools > Report Settings
  - Note the Next Message value. This is the number to use. Do not change it!



- Select Actions > Open enhanced msg as text
- Once the text version of the form opens, click on Actions > Resend...
   New Message ID
- The PackItForm will open in the Browser.
- Manually replace the PackItForm Origin Message Number with the number you noted above.
- Make other changes and continue as usual.

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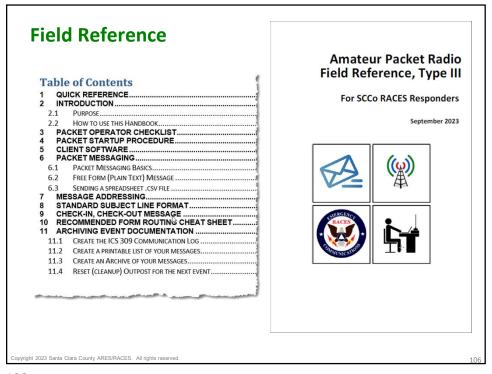


# **Putting it all together**

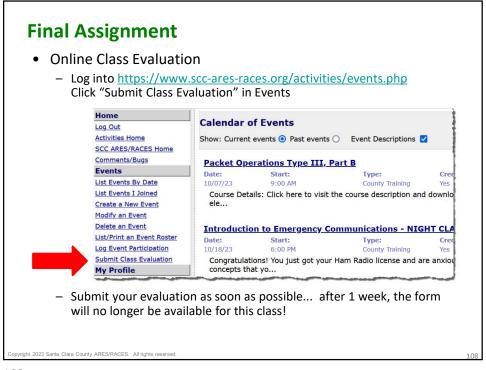
- 1. First Shift... when assigned to establish a station
- 2. Initial station setup... equipment check-out, and check-in
- 3. Packet Operations... managing the message flow
- **4. Incoming Shift Change...** if you are relieving someone else
- 5. Outgoing Shift Change... if you are being relieved
- **6. Securing Operations...** when directed to shut down

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#### Homework

And now, for something completely different...

- Please sign up for the Monthly Packet Message Passing Exercise planned for Wednesday 18-Oct-2023.
- These exercises simulate participating in a real event as an experienced county packet operator who has been assigned for mutual aid support for Xanadu County and City.
- You will be asked to pass at least two 3rd party messages in each direction (PacketItForm) and at least two operator-to-operator messages in each direction.
- The exercise lasts for one week, starts at 09:00 on Wednesday 18-Oct-2023 and ends a week later on 25-Oct-2023 at 17:00. A zoom debrief follows.
- Please register for this event here... <a href="https://www.scc-ares-races.org/activities/eventdetail.php?id=1371">https://www.scc-ares-races.org/activities/eventdetail.php?id=1371</a>.

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### **Thank You!**

Please complete the Course Evaluation on or before next Saturday 8-October!

Please complete the Assignment on or before Wednesday 25-October!

If you have questions or feedback about this or other training activities, you can join our Training discussion group.

<a href="https://scc-ares-races.groups.io/g/packet">https://scc-ares-races.groups.io/g/packet</a>

Make sure you're signed up for the next part: Packet Type II

Questions, comments, suggestions? kn6pe@arrl.net

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