Amateur Packet Radio Field Reference

Cupertino ARES/RACES

August 2021



Table of Contents

1 2 3	PAC	CK REFERENCE KET STARTUP PROCEDURE POST PACKET MESSAGE MANAGER	4
	3.1	APPLICATION STARTUP	
4	ALT	911 PACKET MESSAGE HANDLING	12
	4.1	INTRODUCTION	12
	4.2	Ask the right questions	13
	4.3	CUPERTINO PACKET SETTINGS FOR ALT911 DEPLOYMENTS	13
5		PEOC OPERATIONS	
6	PAC	KET DOCUMENTATION	14
	6.1	CREATE THE ICS 309 COMMUNICATION LOG	15
	6.2	CREATE AN ARCHIVE OF YOUR MESSAGES	15
	6.3	CREATE A PRINTABLE LIST OF YOUR MESSAGES	15
	6.4	RESET (CLEANUP) OUTPOST FOR THE NEXT EVENT	15
7	CRE	ATING PACKET MESSAGES	16
	7.1	PACKET MESSAGE ADDRESSING BASICS	16
	7.2	FREE-FORM MESSAGE	17
	7.3	SENDING A TEXT FILE	18
	7.4	SENDING A SPREADSHEET .CSV FILE	19
	7.5	RECEIVING A SPREADSHEET .CSV FILE	20
	7.6	SENDING A PACKITFORM MESSAGE	20
8	AMA	ATEUR RADIO PACKET OVERVIEW	23
		Re	ev: 210822

Quick Reference 1

County Packet BBS Specifics

Frequencies are in MHz

Call Sign Connect		User Access	NOTES
W1XSC	W1XSC-1	145.750, 223.620, 433.570	Cup PRIMARY
W2XSC	W2XSC-1	145.730, 223.560, 433.590	
W3XSC	W3XSC-1	144.310, 223.540, 433.450	
W4XSC	W4XSC-1	145.690, 223.600*, 433.550	Cup SECONDARY

*223.600 is primarily for BBS forwarding; O.K. for back-up user access, testing.

BBS Locat	BBS Locations		
Call Sign	Location		
W1XSC	San Jose		
W2XSC	Crystal Peak (South County)		
W3XSC	Palo Alto		
W4XSC Frazier Peak (East of Milpitas)			

Cupertino Tactical Calls

Cupertino O CUPCCC CUPDOC CUPDPW CUPEOC CUPMRC CUPOPS CUP911 CUP469	ES Citizen Corps Citizens Corps DOC DPW/Service Center EOC Med Reserve Corps Field Ops CUP ALT91 Comm 469 PSCV	CUPMEP CUPPOP CUPSBP CUPSSP CUPTOP CUPVAP CUPVIP CUPQLN CUPSEN	Memorial Park Monta Vista Park Portal Park Sterling Barnhard Park Somerset Square Park Three Oaks Park Varian Park Wilson Park Quinlan Center Senior Center
ARKs			
CUPMVA	Monta Vista ARK (Z1)	Public Safety	
CUPRSA	Regnart Sch ARK (Z2)	XSCSWS	Sheriff, West Side
CUPGGA	Garden Gate ARK (Z3)	XSCF71	Cupertino Fire
CUPLSA	Lawson Sch ARK (Z4)	XSCF72	Seven Springs Fire
		XSCF77	Monta Vista Fire
CUPDZA	DeAnza ARK (Z5)		
CUPCSA	Creekside ARK (Z6)	Local Servic	
CUPMRA	Montebello Ridge ARK	CUPSAN	Cup Sanitary District
CUPSCA	Stevens Canyon ARK	CUPWVS	West Valley Community
		SJWEOC	San Jose Water
City Parks &	Rec	CUPSH[1-6]	Cupertino Shelters [1-6]
CUPBBF	Blackberry Farm		
CUPCMP	Cali Mill Plaza	Neighborhoo	ods
CUPCSP	Creekside Park	CUPFRM	The Forum
CUPFRP	Franco Park		
CUPHOP	Hoover Park	Ad-hoc Add	esses
CUPJOP	Jollyman Park	CUP001 thro	ugh CUP009
CUPLVP	Linda Vista Park		
CUPMRP	McClellan Ranch Park		

SCCo Tactical Calls

Santa Clara County OEM

XSCEOC	SCCo EOC, 55 W Younger Ave, San Jose
XSCRCT	SCCo RACES Communications Trailer
XSCRUL	SCCo RACES Unit Leader
XSCRRO	SCCo RACES (Chief) Radio Officer

Santa Clara County Communications

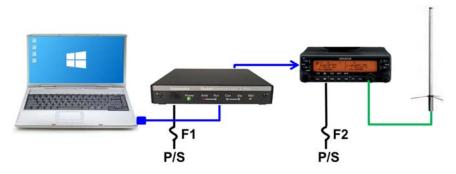
- XSC911 SCCo 911 Dispatch
- XSCCOM SCCo Communications Center, 2700 Carol Dr, San Jose
- XSCCIT SCCo Communications Interoperability Trailer

See these SCCo RACES Packet Notices for all SCC configured Tactical Calls:

- 1. SCCo Packet Tactical Calls
- 2. SCCo XSC Tactical Calls

2 Packet Startup Procedure

This is a four-step process for confirming the operational state of a packet station.



- 1. Connections: Confirm that all packet components are correctly cabled.
 - 1. Laptop; Serial USB Adaptor (serial comm port may exists on older laptop models and is an alternative connection).
 - 2. TNC
 - a. To PC: Serial modem cable to Serial USB Adaptor, or USB cable for newer KPC3+
 - b. To Radio: custom data cable; depends on the TNC and radio connection.
 - c. Power: fused, connected to battery or power supply
 - 3. Radio
 - a. To TNC: custom data cable (see above)
 - b. To Antenna: coax connected to antenna
 - c. Power: fused, connected to battery or power supply
- 2. Power Up: Apply power. Verify all devices are correctly powered up.
 - 4. Laptop boots up, battery is charged or power adaptor plugged in
 - 5. TNC: Apply power, verify Power LED lights up; Verify the fuse LED is NOT lighted (indicates a blown fuse).
 - 6. Radio: Apply power, verify radio turns on
- **3. Equipment Settings:** Confirm all equipment settings. This occurs prior to starting Outpost.
 - 7. Use a laptop terminal program (Ipserial.exe, PuTTY.exe) to verify Comm Port Settings.
 - 8. TNC Settings:
 - a. Check Comm Port settings
 - b. TNC:cmd: int terminal
 - c. TNC:cmd: CD Software

- 9. Radio set to the frequency for the selected BBS
 - a. Tone set to NONE
 - b. Offset set to NONE
 - c. Squelch is open
 - d. Radio is set to high power
 - e. Correct side of the radio is selected for packet (depends on the radio)

4. Outpost Application Settings

- 10. Laptop Application (see *Section Error! Reference source not found. Error! Reference source not found.*)
 - a. Station ID is set to your FCC Call Sign
 - b. Tactical Call is set per your operational instructions
 - c. PC Time is checked to be the correct time
 - d. BBS is set to the required BBS
 - e. TNC is set to the TNC type you are using
 - f. Other Outpost configurations

3 Outpost Packet Message Manager

3.1 Application Startup

1. Start Outpost. Look for the Outpost icon on the PC desktop, and double-click on it.



🔄 Station ID is W6XRI	4 as XNDEOC				x
Identification BBS	Logins Signat	ures			
Current Profile: P	acket Class				
User Call Sign:	W6XRL4		•	New	
User Name:				Delete	
Message ID Prefix:	RL4 (3 C)	naracters max)			
Tactical	all for all BBS interac	ction			
Tactical Call Sign:		50011	•	New	
Additional ID Text:	Xandau EOC			Delete	
Message ID Prefix:	XND (3 Cł	naracters max)		Delete	
Show this form or	n startup	ОК	Apply	Cancel	

 Use the User Call Sign dropdown to select your call sign. If your FCC call sign is not listed, press New and fill in all fields. Verify the User Fields are filled in as follows:

User Call Sign:	< your call sign >
User Name:	< your name >
Message ID Prefix:	<last 3="" call="" chars="" of="" sign="" your=""></last>

Outpost SCC

- b. Press Apply when Done.
- c. Use the *Tactical Call Sign* dropdown to select your tactical call. If your assigned Tactical call is not found, press **New** and fill in all fields. Verify the Tac Call Fields are filled in as follows:

User Tactical Call:	☑ CHECKED.
Tactical Call Sign:	< per your assignment >, 6 characters
Additional ID Text:	Short description of the location
Message ID Prefix:	< Usually, the first or last 3 characters of your tactical call, or your call sign>

d. Press **OK** when done. The Outpost main form will open.

- 3. Set up the TNC. From Outpost, select Setups > TNC Settings.
 - a. On the *Type* tab, select the Device Name, such as **XSC_Kantronics_KPC3-Plus**, or whatever TNC you have.

Device setup for XSC_Kantronics_KPC3-Plus						
Type Prompts TNC Cmds Init Cmds Comm Port AGWPE Telnet						
Choose a Name						
Interface Name:	XSC_Kantroni	ics_KPC3-Plus	•			
Description:		r use with Santa System. Verify the your system.				
			~	New		
Interface Type –				Сору		
⊙ TNC				Delete		
C AGW Packe	t Engine					
C Telnet						
		ОК	Apply	Cancel		

b. On the *Comm Port* tab, select the PC Comm Port to which the TNC is connected. Only existing Comm Ports will be listed.

Device setup for XSC_Kantronics_KPC3-Plus					
Type Prompts TNC Cmds Init Cr Comm Port Settings Comm Port: Com3 Max Speed 9600 Connection Preferences Data Bits: 8					
	DK Apply Cancel				

- c. For KPC3: do not change any fields on any other tabs.
- d. Press **OK** to Save your settings.

- 4. Set up the BBS. From Outpost, select Setups > BBS Settings.
 - **a.** On the Name tab, select the primary BBS Name for your city. If that BBS is not available, select your secondary BBS.

BBS setup for XSC_W1XSC-1					
Name Prompts Commands Init Commands Retrieving	Path				
BBS Name					
BBS Name: XSC_W1XSC-1					
Connect Name: W1XSC-1					
Description: Santa Clara County ARES/RACES A Packet System. Located in San Jose.					
BBS Type					
Let Outpost determine the BBS and set up the prompts User defines the BBS prompts	New				
Non-Identifying BBSs	Сору				
C AA4RE BBS C AA4RE BBS with Tactical Call Customization	Delete				
TNC Name Set/Get TNC XSC_Kantronics_KPC3-Plus					
OK Apply	Cancel				

- b. Set BBS Type to "Let Outpost determine... "
- c. Press **Set/Get TNC** to reopen the TNC Settings form, and press **OK** from that form. This links the TNC to this BBS.
- d. Do not change any fields on any other tabs.
- e. Press OK to Save your settings
- 5. Confirm your settings. Check the bottom of the Outpost main form and confirm you see your Station ID, Tactical Call, BBS, and TNC listed as you have just set up.



- 6. Other SCC Outpost Settings (Installer v160). While there are several settings that can be made in Outpost, the following are the default settings for operating in the SCC County BBS system.
- **NOTE:** For Alt911 deployments, see Section 4.3 Cupertino Packet Settings for ALT911 Deployments for specific settings.

Setup > Station ID					
Tab	Option	What to set			
Signature	Insert a signature for <call> in all</call>	Optional			
	messages []				

Setup > Station ID

Setup > BBS

Tab	Option	What to set
Retrieving	Retrieve Private Messages	Checked
	Retrieve NTS	Unchecked
	Retrieve Bulletins	Checked
	○ All new Bulletins	A XSCPERM
	 Selected Retrieval 	LA
	 Custom Retrieval 	A XSCEVENT
		LA
	NOTE: Add the last 2 lines as shown	A ALLXSC
	NOTE. Add the last 2 lines as shown	L> CUP
	Skip NTS Messages that I send	Unchecked
	Skip Bulletins that I send	Unchecked
	Keep messages on BBS, do not	Unchecked
	delete after retrieving	

Tools > Send/Receive Settings

Tab	Option	What to set
Automation	 Manual – Initiate Send/Receive sessions manually. 	Checked
	□ Send a message immediately when it is complete	Unchecked
	Send/Receive Button Setup ⊙ Send/Receive	Checked
Receiving	Play this sound on arrival:	Unchecked
Printing	Auto print	Unchecked
	 Print received messages Print received, sent messages 	No preference
	Print with message headers	Checked
	Print Delivery, Receive Receipts	Unchecked
Notifications	☑ N0 through N3	Check All
	Play this sound [sound136.wav]	Checked
Other	☑ Show the TNC session form during Send/Receive	Checked

a. Press **OK** to Save your settings.

Tools > Message Settings

Tab	Option	What to set
New	 Set default to Private 	Checked
Messages	Create and send NTS messages as private	Unchecked
	Default destination []	Unchecked
Message Numbering	 ☑ Add Message number to subject line ⊙ With hyphenation 	Checked
	☑ Add Message Number Prefix	Checked
	□ Add message number separator	Unchecked
	✓ Assign a local message number to inbound messages.	Checked
Replies /	 Set default to private 	Checked
Forwards	☑ Close original message on reply or forward	Checked
Receipts	Always request a Delivery Receipt	Unchecked
	Always request a Read receipt	Unchecked
	Auto-Delivery Receipt	Checked
	Auto-Read Receipt	Unchecked
Deleting	☑ Prompt before permanently deleting a message	Checked
Adv	☑ Automatically start Opdirect Message Capture System	Checked
	Opening a locally created PacFORM • Never O Prompt O Always	Never
	If the msg was previously submitted O Never ⊙ Prompt O Always	Prompt
	Opening a received PacFORM O Never O Prompt ⊙ Always	Always

- a. Press **OK** to Save your settings.
- **b.** Exit and restart Outpost to ensure the **Adv** Opdirect settings take effect.

Tools > Report Settings

Tab	Option	What to set
Variables	Global Variables: Next Message Number [###]	Next Msg Number
	Organization:	"Cupertino ARES"
	County:	"Santa Clara County"
	All other fields at your discretion	Optional
ICS309	 No Automation 	Checked
	Task ID:	Activation No.
	Task Name:	Event Name
	Radio Operator Name:	See Station ID Form
	Station ID:	See Station ID Form

a. Press OK to Save your settings.

Tab	Option	What to set
	☑ L1: Send/Receive Session Window	Checked
	Logging	
	L2: Interface Data Logging	Unchecked
	L3: Diagnostic Logging	Unchecked

Tools > Log Settings

a. Press OK to Save your settings.

Tools > General Settings

Tab	Option			What to set
	Show Station Identification Form on		rm on	Checked
	Startup			
	PC Time Check	k, at startup…		Checked
	Custom Folder lab	oels:		
	Folder 1	[XSC Notices]]	Recommended
	Folder 2	[]		All others are
	Folder 3	[]		optional.
	Folder 4	[]		
	Folder 5	[]		
Addressing	Use hierarchical address Continent parameter in validation.		inent	Unchecked
Profiles	 Save profile changes when switching profiles O Always (original Outpost behavior) Prompt (avoids unintentional changes) O Always (best for shared stations with presets) 		Prompt	
Miscellaneous	☑ Auto-Print with Message Header		ler	Checked
	Recently used configuration list [] entries		8	

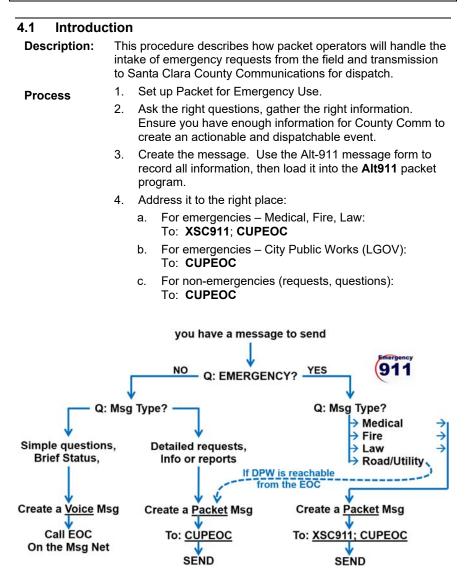
a. Press OK to Save your settings.

Tools > Script Settings

Tab	Option	What to set
	Run this script on startup []	Unchecked
	Run this script on exit	Unchecked
	 Send/Receive runs standard process 	Checked

- a. Press OK to Save your settings.
- Connection Test. Verify connectivity with the BBS. From the Outpost Main Menu tool bar, press Send/Receive. Verify that the Send/Receive Session Window opens. When done, verify that it closes without error.

4 ALT911 Packet Message Handling



4.2 Ask the right questions

- 1. First, determine if this really is an emergency?
 - If this is a real emergency (medical, fire, law), then pass as a 911 message to County Comm
 - If this is a real emergency (local access or road problem), then pass to the Cupertino EOC.
 - If this is a non-emergency request, question, or information, then pass it to the Cupertino EOC.
- 2. Ensure you have enough information for 911/County Comm for them to create an actionable and dispatchable event.

911 Requests	What does 911/County Comm minimally need to know?
get this First:	 Location of the problem (address) Reporting Person's (RP) name, contact phone number When did you last see the problem? (hours, minutes)
Medical Assistance:	 Age: How old is the person? Gender: Male or Female Medical problem (difficulty breathing, unconscious, severe bleeding, etc.)
Fire Report:	 What is burning (Car, building, etc.) Are there any people inside? What is happening now (everyone is safe/trapped, heavy smoke, etc.)
Law Report:	 Type of problem (suspicious person, fight, accident, break-in, etc.) What is happening now (suspicious car on street, heard broken glass, etc.)
Local Gov't:	 Type of problem (tree/pole down, water main break, etc.) What is happening now (road is blocked, power line arcing, street flooding, etc.)

4.3 Cupertino Packet Settings for ALT911 Deployments

The following settings are in addition or a replacement of the settings listed elsewhere in this guide. From Outpost, make the following changes:

Tab	Option	What to set
Automation	 Schedule a Send/Receive Session 	Checked
	every [10] minutes.	
	☑ Send a message immediately when	Checked
	it is complete	

Tools > Send/Receive Settings

5 CUPEOC Operations

Before the Event

- 1. Familiarize yourself with the C469-Packet-Procedures.pdf.
- 2. Set up all ISA Report Templates.
- 3. Set up all ISA recipient Address Book entries.

During an Activation – Comm Van

4. Follow C469-Packet-Procedures.pdf.

During an Activation – Remote CUPEOC

For specific activations, the **CUPEOC** Packet Station must be established from a remote / home location until C469 is in place and operational. To operate as the remote CUPEOC station, proceed as follows:

5. Set your Tactical Call.

From Outpost, select **Setup > Station ID**.

Tab	Option
Station ID	☑ Use Tactical Call
	Tactical Call Sign: [CUPEOC] Additional ID Text: [Cupertino CA EOC] Message ID Prefix: [CUP]

- 6. Press **OK** to Save your settings.
 - 7. Send County EOC a standard Check-in Message:

To:	XSCEOC
Subject:	<msgnbr>_R_Check-In CUPEOC, Cupertino EOC</msgnbr>
Body:	Check-In CUPEOC, Cupertino EOC
	Present are:
	[List of FCC call signs and full names, one per line.
	Include Shift Supervisor, NCO, your name]

- 8. Notify Net Control when CUPEOC Packet station is operational.
- 9. Notify Shift Supervisor or Net Control of any event-specific County Notices.
- 10. Pass Packet Traffic as directed by the Shift Supervisor.

6 Packet Documentation

Whether it be an exercise or a real activation, when its all over, there are 2 things that need to be done:

- 1. Submit all documentation to your jurisdiction's Documentation Unit for archiving.
- 2. Reset Outpost for the next deployment

6.1 Create the ICS 309 Communication Log

Follow these steps to produce the Packet ICS 309:

- From Outpost, go to Tools > Report Settings, 3rd tab, "Other ICS309 Fields." Enter all fields. These fields automatically flow to the ICS309 Form. Then...
- From Outpost, go to Forms > ICS 309 Communication Log. Note all header fields are filled in.
- 3. Select **Period** Tab. Select **Range**, set the **From:** and **To:** to the date/time range for when the event occurred.
- Select Content Tab. Put 'Delivered' (no quotes) in this field to exclude Delivery Receipts.
- 5. Select **Output** Tab. Check the formats you want printed. Multiple options are ok.
- **NOTE:** If you do not have a printer, then select the *Microsoft Print to PDF* printer to produce a .pdf file.
 - 6. Press Build Data Set, then press Print.

6.2 Create an Archive of your messages

 From Outpost, File > Export, then select either "This Folder" (for the folder shown) or "All Folders" (for your entire system). Use meaningful file names. This creates an Outpost readable file that later can be imported back in to restore your messages to their original folders.

6.3 Create a printable list of your messages

- 1. From Outpost, **File > Save All**.
- This will create an Ascii formatted file or all messages in the current folder with a Page Break embedded between each message. Use meaningful file names.
- 3. Repeat this step for any other folder where event messages were created and stored.
- 4. At some future time, this file could be printed to generate one message per page. Or, because the messages are in a .txt file, any one could be copied and pasted into another note pad, and printed for reference.

6.4 Reset (cleanup) Outpost for the next event

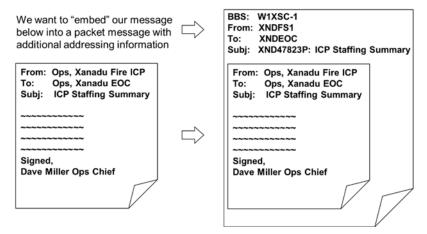
- 1. Make sure you do all 3 of the things above.
- Go to In Tray, click on the first message, scroll down, Shift-Click on the last message to highlight all messages, then press Delete. Repeat for Sent, Archive, Draft, and any other folders in which you put event messages that were just backed up.
- 3. Keep the contents of the folder "XSC Notices." These messages are for reference and prevents Outpost from downloading them again.
- 4. In the **Deleted** Folder, highlight all and delete from the Deleted Folder.
- 5. Hand off all logs and files to the EOC Documentation Unit.

7 Creating packet messages

7.1 Packet message addressing basics

Addressing a packet message requires 2 types of addresses:

- 1. What individual do you want to receive the message?
- 2. What packet station can deliver it to the individual?



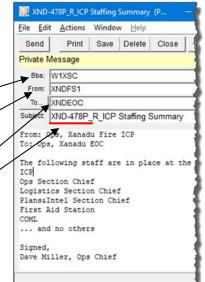
1. Packet Address Header

The packet address header gets the message to the correct packet station.

- BBS: The "store and forward" mail drop where this message is sent. Automatically filled in.
- From: Tactical call of your packet station. Automatically filled in.
 - To: Destination station
- Subject: Outpost automatically sets the Message ID in the subject line.

You need to fill in the rest of the subject text.

Use the SCC *Standard Subject Line Format* as follows:



<SenderMsgNbr>_<HandlingOrder>_<MsgSummary>

XND-478P_R_ICP Staffing Summary

Short description of the contents of the message R=routine, I = Immediate, E = Emergency 3-character message prefix, a hyphen, a "P", and a message number _ 16/24

2. Recipient Address and Message

To ensure the message gets to the right person, fill in the rest of the

fill in the rest of the message.		Private Message
Subject:	Fill in the rest of the subject	Bbs: W1XSC From: XNDFS1
Massana	0	To XHDEOC Subject: XND-478P R ICP Staffing Summary
Message Bo	bay	From: Ops, Xanadu Fire ICP
From:	Whom is the message from?	To: Ops, Xanadu EOC
	Include the ICS position or function.	The following staff are in place at the ICF Ops Section Chief
То:	To who do you want to receive the message? Include ICS position or function.	Logistics Section Chief PlanssIntel Section Chief First Aid Station COML
Message	Fill in the message details.	and no others
Signature:	Put whom the message is 	Signed, Dave Miller, Ops Chief
		L

XND-478P_R_ICP Staffing Summary (P., Window

Actions

Print

File Edit

Send

Help

Close

Save Delete

7.2 **Free-Form Message**

- 1. From Outpost's main window, press the New button to create a new message. A blank message form opens.
- 2. The **BBS**: and **From**: fields are filled in with the BBS and From Station call sign or tactical call that were previously defined.
- 3. Fill in the To: field with the call sign or tactical call of the station to receive this message.
- Complete the Subject: text. Add a message description after the 4. Message ID characters (XND-862P in this example).

🔝 XND-8	62P_R_Nee	d Netwo	rk Status ·	Packet Mes	sage			-	_		>	×
<u>F</u> ile <u>E</u> dit	<u>A</u> ctions	Window	v <u>H</u> elp									_
Send	Print	Save	Delete	Close	Urg	Pvt	Bul	NTS	Û	Û	A	A
Private Me	essage											
Bbs: V	V1XSC-1											
From: V	V6XRL4											
То Х	NDNET											0
Subject: X	ND-862P	_R_Nee	d Networ	k Status								
To: Net .	Admin											
Please r	eport on	the st	atus of	the netw	ork,							
Signed,												
Herman M	, W6XRL4											
											91	/

- **NOTE!** Not adding any additional subject line detail (Handling Order and message summary) will delay processing your message on the receiving end.
 - 5. Enter the body of the message.
 - 6. Press **Send** when done.
 - 7. From Outpost, press **Send/Receive** to connect and send the message to the BBS.

Outpost Packet	Message Manager	
<u>F</u> ile <u>E</u> dit <u>S</u> etup	<u>T</u> ools Forms <u>A</u> ctions <u>H</u> elp	
New Open	Archive Delete Print	Send/Receive
Folder List	In Tray	
In Tray	U Type From To	BBS

7.3 Sending a text file

The text of the message can originate from a text file created elsewhere. To import a message from a text file, do the following:

- 1. From the Outpost main form, click on the **New** button.
- Select File > Open a File. Navigate to the directory where the file resides and select the file. Press OK.
- 3. The text will be loaded into the Message area.
- 4. The message Subject is set to the text file name.
- 5. Press Send when done.
- From Outpost, press Send/Receive to connect and deliver the message to the BBS.

ile	Edit Actions Wind	low Help	Popup
	Send		
	Open a File		
	Open a Report		
	Save	C	trl+S
	Save As		
	Save As, No Headers		
	NTS Message Maker		
	Process a Report		
	Clear Remaining Prom	pts	
	Print	C	trl+P
	Print, No Headers		
	Close		

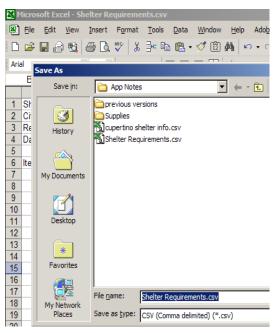
7.4 Sending a spreadsheet .csv file

Attempting to send a standard spreadsheet file will cause Outpost, the BBS, or both, to hang because of embedded binary content in the spreadsheet.

However, most spreadsheet applications support a way to export spreadsheet data into one or more ASCII formats that are compatible with Outpost.

This approach works with many spreadsheet packages.

- Once the spreadsheet is created, move a copy of it to the PC where Outpost resides.
- At the Outpost PC, open the spreadsheet, press File->Save As from the spreadsheet menu.
- Change the "Save as Type" to "Comma Delimited (*.csv)".
 Press Save. A file with a *.csv extension is created.
- Back at Outpost, press New to open a new message form.
- 5. Press **File->Open** from the Outpost message menu.
- Change the "Files of Type" to "All files (*.*)."
- Change the directory to where the *.csv file is located, select the file, and press **Open**. The *.csv file is copied into the body of the message.
- Take a look at this example on the right. Note that all fields are separated by commas, and fields with embedded commas are surrounded by quotes.
- 9. When done, press **Send** to move the message to the Out Tray.



🔐 CUP-	1649P_R_She	lter-Req	uirements	.csv - Packe	t Messag			
<u>F</u> ile <u>E</u> di	t <u>A</u> ctions	Windov	v <u>H</u> elp	Popup M	enu			
Send	Print	Save	Delete	Close	Urg			
Private N	Aessage							
Bbs:	W1XSC-1				3			
From: CUPEOC								
То	To XSCEOC							
Subject:	Subject: CUP-1649P_R_Shelter-Requirements.csv							
City:," Request Date:,7 ,,,,, Item#,I 1,cots, 2,blank 3,"wate 4,First 5,Toile 6,tooth 7,tooth 8,note	<pre>::,Quinlan Cupertino ::,Materia //29/2019, Descriptio 30,EA,25, rets,45,EA rr, 12 oz : Aid kits et paper,5 h brushes, h paste,5, pads,0,EA,2</pre>	, CA",, 1 reple ,, n,OnHar "5-Dec, ,15,"5- bottles ,3,Kits 0,Rolls 10,EA,S EA,S5," ,25,"6-	nishmer 18:00" -Dec, 18 s",200,E s,12,ASP s,250," 50,"5-Dec, -Dec, 12	2:00" 30ttle,10 5-Dec, 12 5:00" 18:00 18:00"	0,"6-De			

- 10. From Outpost, press **Send/Receive** to connect to the BBS and send the message.
- **NOTE!** The file name is set automatically as part of the message Subject. This will come in handy at the receiving end. Also, the in the above example, note that the user added a "_R_" to indicate the Priority.

7.5 Receiving a spreadsheet .csv file

Continuing with the above example, proceed to recover the file as follows:

- 1. At the receiving station, once the message arrives, open the message.
- 2. Press File->Save As from the Outpost message menu.
- 3. The file name will default to the message's subject with the correct 'csv' file extension. Press **Save**. Close the message.
- 4. Open your spreadsheet program.
- Press File->Open from the Excel menu. Change the "Files of Type" to "Comma Delimited (*.csv)." Locate the file saved by Outpost. Press Open.
- 6. The entire message is brought into the spreadsheet. Delete any header lines that show up in the file.

7.6 Sending a PackItForm message

For Santa Clara County EOC use only. Not for use within Cupertino.

1. PackItForms are browser-based, fill-in-the-blank, html message forms used within Santa Clara County.

To open the forms from Outpost, go to the Forms Menu, and choose the desired form.

🔐 Outpost Packet	Messag	e Manag	er
File Edit Setup	Tools	Forms	Actions Help
New Open	Ar	IC	S 309 Communications Log
Folder List	In		C ICS-213 Message
In Tray	U	XS	C EOC-213RR Resource Request
		XS	C OA Municipal Status
Out Tray		XS	C OA Shelter Status
Sent Msgs		XS	C Allied Health Facility Status
		XS	C RACES Mutual Aid Request
Archive		Ge	eneric ICS-213 Message Form
Draft Msgs		Le	gacy XSC ICS-213 Message Form
Deleted		Le	gacy XSC EOC-213RR Resource Request
		Le	gacy XSC OA Municipal Status
XSC Notices		Le	gacy XSC OA Shelter Status

Form name	Purpose
Standard Santa Clara County Pa	ackItForms
XSC ICS-213 Message Form	Send a message from the cities/agencies to Santa Clara County EOC, or other

	jurisdictions within the county.
XSC EOC-213RR Resource Request	PackItForms version of the Santa Clara County Resource Request Form.
XSC OA Municipal Status	Report city status and incidents
XSC OA Shelter Status	Report shelter status
XSC Allied Health Facility Status	Report skilled nursing facility status
XSC RACES Mutual Aid Request	Request RACES resources

Other Forms	
ICS 309 Communications Log	Creates a standard ICS 309 Comm log report based on packet messages sent. Different report options let you customize the data and look and feel. Run this report at the end of your shift.
Generic ICS-213 Message Form	This form is a program that can run on a remote PC on the same subnet as Outpost. See the ICS-213mm Message Manager User Guide for details.
Legacy PacFORMS	Replaced by PackItForms

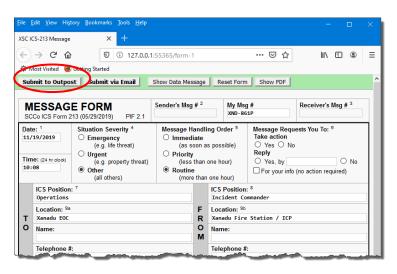
- 2. For City-to-County packet messages, use the above SCCo RACES PackItForms or free-form messages.
- 3. Run PackItForms from Outpost to ensure several of the default fields are automatically filled in.
- 4. Select the PackItForm to use; the form opens in a browser.

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SC I	CS-213 Message	× +						
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¢ N	Most Visited 🧕	Getting Started						
Sul	bmit to Outpos	t Submit via Email	Show Data Mes	sage	Reset Form	Show PDF	= required	
	IESSAG		Sender's Msg	# 2	My Msg CUP-86		Receiver's Msg # 3	
	te: ¹ /19/2019	Situation Severity ⁴ C Emergency (e.g. life threat) C Urgent	O Priority	iate oon as	possible)	Message Requ Take action O Yes O No Reply		
	ne: (24 hr clock) : mm	(e.g. property threat) Other (all others)	O Routine	•	ne hour) ine hour)	○ Yes, by □ For your info	(no action required)	
		O Other (all others)	O Routine	e than o		For your info		
hh:	m	O Other (all others)	O Routine	than o	ne hour)	For your info		
	ICS Position:	O Other (all others)	O Routine	F R	ine hour)	For your info		

Completing the PackItForm

5. Required fields are all highlighted in **RED**.

 When all required fields are filled in, the top banner turns Green and the controls are enabled. When done, press the Submit to Outpost button at the top to pass this message to Outpost.



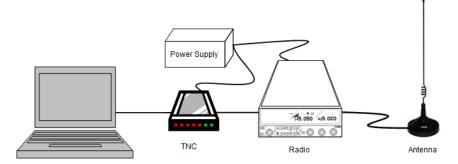
- The form data is extracted, formatted, and transferred to Outpost where it is loaded in a message form and opened.
- **NOTE!** If you don't see the message form, then check the Windows Tool Bar for a new highlighted Outpost icon.
 - 8. Fill in the **To:** field. All other fields are disabled.
 - 9. When done, press **Send**.
 - 10. From Outpost, press **Send/Receive** to send the message.

	t <u>A</u> ctions	Window	w <u>H</u> elp			
Send	Print	Save	Delete	Close	Urg	Pvf
Private I	Nessage					
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From:	XNDEOC					
To		_				
Subject:	XND-861P	R ICS	213 ICP	Staffing Su	mmary	
4.: [0] 5.: [R0 1b.: [.	DUTINE]] mmande:				

8 Amateur Radio Packet Overview

What is Ham Radio Packet?

- Amateur packet radio is one of many digital modes that hams can use.
- Packet Radio is used to transmit digital data by radio or other wireless communications links.
- Packet radio can send to or retrieve "mail" from a packet Bulletin Board System (BBS).



Typical Packet System

Computer:Runs the packet software that communicates with the BBS.TNC:Terminal Node Controller; the interface between your radio and
your computer (similar to a telephone modem).Radio:Set to the frequency of the BBS and other packet stations.Antenna:Connected to the Radio.Power Supply:Powers the Radio and TNC; could also be a battery.

Why use Packet Radio?

- 1. BBSs allow messages to be stored, retrieved, or forwarded throughout the connected BBS network.
- 2. The recipient does not need to be on line to get the message, meaning that messages can be retrieved at the recipient's convenience.
- 3. Packet is ideal for passing lists of material, addresses, instructions, or complex words (e.g. pharmaceuticals or chemicals)
- We would use packet radio for the same reasons we would use internet email: message accuracy, delivery, and the ability to handle message complexity.
- The Santa Clara County Emergency Management Association (EMA) knows that our local communications infrastructure *WILL FAIL* during an earthquake and *expects* Ham Radio to enable the response and speed the recovery. Packet Radio is part of the response.