05.2014 Packet Radio Users Guide

Cupertino ARES/RACES



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Quick Reference

County Packet BBS Specifics

Call Sign	2m Access	1.25m Access	Location
W1XSC-1	145.750	223.620	Santa Clara Co Office (San Jose)
W2XSC-1	145.730	223.560	Crystal Peak (South County)
W3XSC-1	144.310	223.540	Mountain View
W4XSC-1	145.690	223.600	Frazier Peak (above Milpitas)
Other Avai	lable BBS's		
K6FB-2	145.050		Los Gatos, 2800', Las Cumbres ARC

Cupertino Tactical Calls

Arks		CUPQLN	Quinlan Community
CUPDZA CUPGGA CUPHYA	DeAnza College Garden Gate School Hyde Middle School	CUPWVS	Center/Shelter West Valley Service Center
CUPLSA	Lawson Middle School	Public Safety	
CUPMVA CUPSSA	Monta Vista Ark Seven Springs Ark	CUPCSO	County Sheriff's Station, West Side
CUPSCA	Stevens Canyon Ark	XSCF71	Cupertino Fire
CUPMBA	Montebello Ridge Ark	XSCF72 XSCF77	Seven Springs Fire Monta Vista Fire
City Facilities	5		
CUPBBF	Cupertino Blackberry	Services	
	Farm (OES)	CUPCMC	Cupertino Medical
CUPCRE	Creekside Park		Center
CUPCCY	Cupertino Corp Yard	CUPSJW	San Jose Water in Cupertino
	Cupertino EOC	CUPSAN	Cupertino Sanitary
	Memorial Park		District
		CUP001 throu	ign Ad baa uga
CUPOPS	Field Operations	CUPUU9	Ad-noc use
CUPPOR	Portal Park	Revision: 140426.150	06

1 Ham 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)
- 4. 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.

2 Setting up the Packet Station

Cupertino ARES/RACES is responsible for setting up and doing an initial checkout of the Packet System. The setup instructions are included here.

2.1 Radio Packet Kit Components

- 1. Radio/TNC/Power Supply package
- 2. Extension Cord, 15ft
- 3. Mag mount Base and Antenna
- 4. Parts Bag
 - a. Shoulder Strap
 - b. Radio Microphone (backup for 2 meter voice traffic)
 - c. Adaptor, PL-259/F to BNC/M
- 5. Manuals Bag
 - a. Packet Radio Users Guide (this manual)
 - b. Radio, Alinco, DR-135 2 meter transceiver
 - c. West Mountain, RR/4004USB power distribution
 - d. Powerwerx, SS-30V Power supply



2.2 PC Packet Kit Components

- 1. Laptop, includes Power module
- 2. Printer, includes Power module
- 3. USB-to-Serial Adaptor

2.3 Connecting the parts

- 1. Connect the Radio Kit Serial Cable to the Laptop serial connector (or USB-to-Serial adaptor if required, not supplied).
- 2. Connect the Printer USB cable to the designated Laptop USB port.
- 3. Put the Antenna on top of a metal surface, such as the ARK.
- 4. Connect the Antenna Coax to the radio antenna connector.
- 5. Connect the Laptop power module.
- 6. Connect the Printer power module.
- 7. Plug the Radio Kit, Laptop, and Printer into the extension cable/power strip.
- 8. Start the Generator if available.

2.4 Power on sequence

- 1. Turn on the Laptop. Verify the Laptop boots up.
- 2. Turn on the Printer. Verify the printer powers on.
- 3. Turn on the Radio Power Supply 0. Verify the On/Off switch illuminates.
- 4. Turn on the TNC ②. Verify the TNC Power LED illuminates.
- 5. Turn on the Radio ③ Verify the Radio display comes on. See Section 5 Alinco Radio Setup for details.



Packet Radio Kit, Front view

2.5 Application Startup

1. **Start Outpost.** Find the Outpost icon on the PC desktop, and double-click on it:



2. **The Station Identification Form** will be the first window that you will see.

Station Identification			×
Identification			
– Legal			
User Call Sign:	KN6PE		
User Name:	Jim Oberhofer	-	
Taskasl			
🔽 Use Tactical Ca	all for all BBS intera	action	
Tactical Call Sign:	CUPSSA	(6 Characters max)	
Additional ID Text:	Cupertino Sever	n Springs Ark	
Message ID (quick set)			
Tactical ID:	0.04	(3 Characters may)	
racticanto.	55A	(o characters max)	
L			
Show this form on sta	artup	(OK	Cancel

a. Verify the Fields on this form are filled in as follows:

User Call Sign: Contains this station's FCC Call Sign of the Control Operator.	< your call sign >
User Name: Contains the Control Operator's Name.	< your name >
User Tactical Call:	CHECKED.
Tactical Call Sign: The six (6)	< see page 2, or ask the
character Tactical Call for your station	Comm Team Lead >
Additional ID Text: Enter the Ark Name	
Message ID: This is the unique 3	< Usually the 1 st or last
character version of your Tactical Call.	3 characters of your
	tactical call >

b. Press OK when done. The Outpost main window will open.

- 3. Setting up the TNC. From Outpost, select Setups > TNC Settings.
 - a. On the Interface Type tab, set the Device Name as SCCO_KPC3+.

📆 Select an Interface Type	×
Interface Type TNC Prompts TNC Commands TNC Comm Port	AGWPE Telnet
Choose a Device Name	
Device Name: SCCO_KPC3+	
h	
Description: KPC3+ TNC for use with Santa Clara County's BBS System. Verify the COM port setting for your system.	
Device Type	
	New
C AGW Packet Engine	Сору
C Telnet	
OK Apply	Cancel

b. On the TNC Comm Port tab, select the PC Comm Port to which the TNC is connected.

Select an Interface Type	×
Interface Type TNC Prompts TNC Co	ommands TNC Comm Port AGWPE Telnet
Comm Port Settings	- Echo
Max Speed	C Off C On
Connection Preferences Data Bits: 8	© None
Parity: None 💌 Stop Bits: 1 💌	
	OK Apply Cancel

- c. Do not change any fields on any other tabs.
- d. Press **OK** to Save your settings.

4. Setting up the BBS. From Outpost, select Setups > BBS Settings.

a. On the BBS Name tab, set the BBS Name as SCC BBS 1....

🚟 Select a BBS	×
BBS Name BBS Prompts BBS Commands BBS Path	,
BBS Name BBS Name: SCC BBS 1 - SCC0 OFFICES SAN JOSE	
Connect Name: W1XSC-1 Description: Santa Clara County ARES/RACES Packet System. Located in San Jose. Access via 145.750 or 223.620 at 1200 baud. JNDS. Image: Comparison of the same sector o	¢,
BBS Type C Let Outpost determine the BBS and set up the prompts C User defines the BBS prompts	New
Non-Identifying BBSs A44RE BBS A44RE BBS with Tactical Call Customization	Copy Delete
TNC Name Set/Get TNC SCC0_KPC3+	
ОК Арріу	Cancel

- b. Confirm "BBS Type" is set 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 window and confirm you see your Station ID, Tactical Call, TNC, and BBS listed as you have just set up.

Deleted Msgs	
Oltems, 1 Total	Station ID: KN6PE Tactical Call: CUPSSA TNC: SCCO_KPC3+ BBS: SCC BBS 1 - SCCO OFFICES SAN JOSE

6. Other important Settings. There are several settings that can be made in Outpost. The following are important when operating with the SCC County BBS.

Tab	Option	What to set
Automation	• Schedule a Send/Receive Session every [10] minutes.	Checked
	Send a message immediately when it is complete	Unchecked
Retrieving	Retrieve Private Messages	Checked
	Retrieve NTS	Unchecked
	Retrieve Bulletins	Unchecked
	Retrieve Selected Bulletins or xNOS Areas	Unchecked
	Enter as a list of filter items:	Leave Blank
	☑ Skip (do not retrieve) NTS Messages I send to the BBS	Checked
Receiving	Play this sound on arrival:	Checked
	[
Printing	Print received, sent messages	No preference
-	☑ Print with message headers	Checked
	Print Delivery, Receive Receipts	Unchecked
Alerts	☑ N0 through N3	Check All
	✓ Play this sound on notification [sound136.wav]	Checked
Other	☑ Show the TNC session form during Send/Receive	Checked

Tools > Send/Receive Settings

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 [CUPEOC]	Checked
	Insert Signature (users' preference)	Optional

Tab	Option	What to set
Message Numbering	 Add Message number to subject line With hyphenation 	Checked
	☑ Use Global Message Numbers	Checked
	Assign a local message number to inbound messages.	
Replies /	 Set default to private 	Checked
Forwards	Close original message on reply or forward	Checked
Tracking	Always request a Delivery Receipt	Unchecked
	Always request a Read receipt	Checked
	Auto-Delivery Receipt	Unchecked
	Auto-Read Receipt	Unchecked
Deleting	Prompt before permanently deleting a message	Checked
Adv	☑ Automatically start Opdirect Message Capture System	Checked
	When opening a locally originated PacFORM message	Checked
	Invever Open in its native program	Ontional
	when opening a received PacFORM	Optional
	O Prompt before expering in its pative	
	program	
	program	

- 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	Next Msg
	Number:	Number
	Tactical ID (3 character):	See the table
	(see table below)	below
	Tactical TX Text:	See the table
	(see table below)	below
	All other fields are at your discretion	Optional
ICS309	⊙No Automation	Checked
	Task ID:	Activation No.
	Task Name:	Event Name

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

ractical call Report Dettings						
Ark site	Tactical ID	3 char TacID	Tactical Text			
Monta Vista	CUPMVA	MVA	Monta Vista Ark			
Garden Gate School	CUPGGA	GGA	Garden Gate Ark			
Hyde School	CUPHYA	HYA	Hyde Ark			
Lawson School	CUPLSA	LSA	Lawson Ark			
DeAnza College	CUPDZA	DZA	DeAnza Ark			
Seven Springs	CUPSSA	SSA	Seven Springs Ark			
Stevens Canyon	CUPSCA	SCA	Stevens Canyon Ark			
Cupertino Medical	CUPCMC	CMC	Cupertino Medical			

Tactical Call Report Settings

Tools > Log Settings

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

a. Press OK to Save your settings.

Tools > General Setup

Tab	Option	What to set
	Show Station Identification Form on	Optional
	Startup	
	☑ Auto-print with message headers	Checked
	PC Time Check, at startup	Optional
	Recently used configuration list [8]	
	☑ Use hierarchical address Continent	Checked
	parameter in validation.	

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 Packet Session window opens. When done, verify that it closes without error.

3 Packet message addressing basics

Addressing a Packet message requires 2 types of addresses:

- 1. To what individual do you want to send 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.
 - station. Automatically filled in.
 - **To:** Defaults to the destination station set up in Outpost. This can be changed.
- Subject: The Message ID is automatically added to the subject line. You fill in the rest of the subject text.

File	Edit	Actions	Window	Help	
F	Print	Send	Save	Delete	Close
Priv	ate Me	essage			
-	Bbs:	W1XSC-	1		
v	From:	CUPSS/	Ą		
	To	CUPEO	C		
Sul	bject:	SSA134	ARK Sta	ffing Sumr	mary
To	: ops	Chief	, Cuper	tino EOC	
To Th In Op Lo Pl Fi Co	e fol cider s Sec gisti annir rst J mmuni . and	Chief Commi- ction Cl cs Sec ng & In Aid Star i no otl	staff ander hief tion Chi tel Sect tion is s funct:	ief tion Chie set up ion is se	lace a ef et up



4 Creating packet messages

4.1 Free Form Message

 From Outpost's main window, you can create a new message by either pressing the New button, or selecting the Actions > New Message menu. The following form opens.

🔐 SSA165: What is BBF Status? - Packet Message	
File Edit Actions Window Help	
Print Send Save Delete Close Urg Pvt Bul NTS	AA
Private Message	
Bbs: W1XSC-1	
From: CUPSSA	
To CUPBBF	*
Subject: SSA165: What is BBF Status?	
BBF Incident Commander	A
Please report your staffing status ASAP.	
signed,	
Dave Smith	
Operations Section Chief	
Seven Springs Ara	

- 2. The **BBS:** and **From:** fields are filled in with the BBS and Identifier that were previously defined.
- 3. Fill in the **To**: field with the call sign or tactical call of the station to which this message is going.
- 4. Complete the **Subject:** text. Add your text after the Message ID characters (**SSA165:** in the above example).
- 5. Enter body of the message.
- 6. Press **Send** when done.
- From Outpost, press Send/Receive to connect and deliver the message to the BBS.

🙀 Outpost Packet Message Manager					
<u>File E</u> dit	File Edit Setup Tools ICS Reports Actions Help				
New	Open	Delete	Print	Send/Re	ceive
Folder L	ist r	n Tray			
1.7	U	Type F	rom	To	BBS

4.2 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:

- From the Outpost main window, 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.

🔐 New Packet Message			
File Edit Actions Window	Help		
Send	Delete	Close	l
Open a File			_
Open a Report			
Save			
Save As			
Save As, No Headers			
NTS Message Maker			
Process a Report			
Clear Remaining Prompts			
Print			
Print, No Headers			
Print Setup			
Close			

4.3 Sending a PacFORM message

INTRODUCTION

- 1. PacFORMS are browser-based fill-in-the-blank message forms used within Santa Clara County RACES.
 - a. To run the forms manually, look on your desktop for the PacFORMS folder, and double-click on the desired form.
 - b. To open the forms from Outpost, go to the Forms Menu, and choose the desired form (Recommended method).



Form name	Purpose			
Standard Santa Clara County PacFORMS				
XSC ICS-213 Message Form	Used to send a message from Cupertino to Santa Clara County EOC, or other jurisdictions within the county.			
XSC EOC Logistics Request	PacFORMS version of the Santa Clara County Logistics Request Form.			
XSC City Scan/Flash Report	PacFORMS version of the "City-Scan" Flash Report.			
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 be run from a remote PC on the same subnet as Outpost. See the ICS-213mm Message Manager User Guide for details.			

- 2. For City-to-County packet messages, we will use either free form messages or the 3 standard Santa Clara County PacFORMS listed above.
- 3. Running the PacFORMS from Outpost is recommended since several fields are filled in for you.

- After double-clicking on your PacFORM, you will get a message that essentially says that Scripts or ActiveX controls are restricted from running.
 - On Windows XP, click on the yellow banner at the top of the browser window. Select the option to "Allow Blocked Content".
 - On Windows 7 & 8, press "Allow Blocked Content" button at the bottom the Browser window.

CARES/RACES MESSAGE FORM - Internet Explorer		1×
() C file:///C:/PacFORMS/exec/Message.html?msgno=SSA138F	P&ocall=KN6PE&oname=jim+o 🔎 🖌 🏠 🕁	
ARES/RACES MESSAGE FORM X		
File Edit View Favorites Tools Help		
🚹 🕶 🗟 👻 🖃 🖶 👻 Page 🗸 Safety 🖛 Tools 🕶 🕢 🔹 🦑	M M 8 🖉	
	2) When Dessiving Mag # 2) When Sending	a _
EOC MESSAGE FORM	Msg.: S.) when setting Msg. # 5.) when setting	
PacFORMS adaption of SCCo ICS Form 213 By Phil	Senders's msg. # Receiving msg. #	
(This form works with Outpost/OpDirect for Automatic ASCII text	RED Areas Required	
save)	Unlock msg. nos. 2 & 3	
JAVA SCRIPT IS NOT ENABLED IN THIS BROWSER. THIS FORM WILL NOT WORK WITHOUT JAVA SCRIPT ENABLED.		
For Instructions using this form Click Here.		
1a.) Date: (MM/DD/YY) 4.) Situation Severity (Select One) 5.) Msg.	. Handling Order (Select One) 6.) Message Requests You to: TAKE ACTION (Check one)	
lb.) Time: (24 hr. time)	s Soon as Possible) O Yes O No REPLY (Check one)	
(e.g., Property Threat)	RIORITY sss Than One Hour) O Yes, by O No	
0001 to 2400 2:00 PM = (2+12)=1400 Hrs. (All Others)	OUTINE FOR YOUR INFO.	
7.) ICS Position: (required)	S.) ICS Position: (required)	j I
Display Dropdown List	Display Dropdown List	
To: 9a.) Location: (required)	From: 9b.) Location: (required)	
Name: (optional)	Name: (optional)	
Telephone #: (optional)	Telephone #: (optional)	
10.) SUBJECT:		
11.) REFERENCE (e.g., Number of earlier msg.):		
12.) Message (what, Internet Explorer restricted this webpage from	running scripts or	\sim
ActiveX controls.	Allow blocked content	• //.

5. Once you enable Scripting, the default fields will be populated.

ARES/RACES MESSAGE FORM - Internet Explorer			
G S file:///C:/PacFORMS/exec/Message.html?msgno=SSA137	P&ocall=KN6PE&oname=jim+	+o	오 👉 😚 🕁 🔅
ARES/RACES MESSAGE FORM ×			
File Edit View Favorites Tools Help			
🛛 🏠 👻 🔂 👻 🚍 🖶 👻 Page 👻 Safety 👻 Tools 👻 🕢 🥠	M 🔊 8 🖉		
EOC MESSAGE FORM PacFORMS adaption of SCC0 ICS Form 213 (Ver. PR-3.9-2.6) - PacRELEASE 3.9 By Phil Henderson, KF6ZSQ (This form works with Outpost/OpDirect for Automatic ASCII text save) For Instructions using this form Click Here.	2.) When Receiving Msg.: Senders's msg. #	Msg. # SSA137P RED Areas Required	3.) When Sending Msg.: Receiving msg. #
1a) Date: (JALIDD/YY) 4) Situation Severity (Select One) 5) May 04/22/2014 Characterity (Select One) 6) May 1b.) Time: (Ja kr. time) Characterity (Select One) 6, Jab 12133 Cold (G, Property Tureat) 0 0001 to 2400 O THRER 0 2:00 PM = (2+12)=1400 Hrs. (All Others) 0, May	, Handling Order (Select One) MMEDIATE us Soon as Possible) PRIORITY ess: Than One Hour) ROUTINE fore Than One Hour)	6.) Message Request TAKE ACTION © REPLY (Check o O Yes, by □ FOR YOU (No action requi	b You to: ((Check cone) No No R INFO. red)
7, JCS Position: (required) Display Dropdown List To: 9a, Location: (required)	S.) ICS Position: (requi Display Dropdown 9b.) Location: (required	red) List d)	

COMPLETING THE PacFORM

- 6. All required fields are indicated with accompanying **RED** Text.
- 7. When done, scroll to the bottom of the form, and press **Submit Message Form to Outpost**.

CC: Management Operations Planning Logistics 14.) Operator use Only How Received or Sent (Cbeck: One this line and one below) Telephone Dispatch Center EOC Radio FAX Courier Annatory Radio Other Packet 	Finance Operator Call Sign: KN6PE Operator Name: jirn oberhofer X Date: Time: Date Time updated at Submit
Outcoing (Sent): Message Originator: Send the top copy (white) to Radio, yellow to PLANNING, retain th Radio: After sending, complete Action Taken info. in gray area, keep white for file in Rad	ne pink copy for originators file. 0.
Incoming (Received): Radio: Afte receiving, complete Action Taken info. in gray area, route top copy (white) to Addressee; Take approriate action.	the addressee, pink copy to PLANNING; retain yellow for file in Radio. <u>SCCo ICS FORM 213 (Ver. PR-3.9-2.6)</u> , 08/11/2013
Below you will see two SUBMIT buttons. The one on the left, whe manually capture, copy, paste and save the text. Follow instructio	n Submitted, will open a new window with the ASCII text so you can ns in red in that window.
The SUBMIT button to the right will automatically transfer the AS(OpDirect must be running to make this work or nothing is saved.	III text extracted from the form to the Outpost database via via OpDirect.
SUBMIT Message Form: Manual Copy & Save	SUBMIT Message Form to Outpost Clear Input
	• 90% - //

8. The form will be transferred to Outpost and loaded in a message form.

File Edit Actions Window Help Print Send Save Delete Close Urgent, Private Message Bbs: W1XSC-1 From: CUPEOC To Subject CUP139P_U/P_ICS213_Stevens Creek Dam Status !PACF! SSA139P_U/P_ICS213_Stevens Creek Dam Status # EOC MESSAGE FORM # JS-ver. PR-3.9-2.6, 08/11/13, # FORMFILENAME: MsgNo: [SSA139P] 1a.: [04/22/2014] 1b.: [2137] 4.: [URGENT] E.:
Print Send Save Delete Close Urg Pvt Bul NTS A A Urgent, Private Message Bbs: W1XSC-1 From: CUPEOC Image: Cupeoc Imag
Bbs: W1XSC-1 From: CUPEOC To Subject: CUP139P_U/P_ICS213_Stevens Creek Dam Status !PACF! SSA139P_U/P_ICS213_Stevens Creek Dam Status # EOC MESSAGE FORM # JS-ver. PR-3.9-2.6, 08/11/13, # FORMFILENAME: Message.html MsgNo: [SSA139P] 1a.: [04/22/2014] 1b.: [2137] 4.: [URGENT] 5 [UNIONITY]
Bbs: W1XSC-1 From: CUPEOC To Subject: CUP139P_U/P_ICS213_Stevens Creek Dam Status !PACF! SSA139P_U/P_ICS213_Stevens Creek Dam Status # EOC MESSAGE FORM # JS-ver. PR-3.9-2.6, 08/11/13, # FORMFILENAME: Message.html MsgNo: [SSA139P] 1a.: [04/22/2014] 1b.: [2137] 4.: [URGENT] 5 (DMIODITY)
From: CUPEOC To
To Subject: CUP139P_U/P_ICS213_Stevens Creek Dam Status PACF! SSA139P_U/P_ICS213_Stevens Creek Dam Status # EOC MESSAGE FORM # JS-ver. PR-3.9-2.6, 08/11/13, # FORMFILENAME: Message.html MsgNo: [SSA139P] 1a.: [04/22/2014] 1b.: [2137] 4.: [URGENT] 5. + (INGLORITY)
Subject CUP139P_U/P_ICS213_Stevens Creek Dam Status PACF! SSA139P_U/P_ICS213_Stevens Creek Dam Status # EOC MESSAGE FORM # JS-ver. PR-3.9-2.6, 08/11/13, # FORMFILENAME: Message.html MsgNo: [SSA139P] 1a.: [04/22/2014] 1b.: [2137] 4.: [URGENT] 5. + [URGENT] 5. + URDIORITY]
<pre>!PACF! SSA139P_U/P_ICS213_Stevens Creek Dam Status # EOC MESSAGE FORM # JS-ver. PR-3.9-2.6, 08/11/13, # FORMFILENAME: Message.html MsgNo: [SSA139P] 1a.: [04/22/2014] 1b.: [2137] 4.: [URGENT] 5. + (DURDENTY)</pre>
<pre>S.: [FRIORIT] 6a.: [No] 7.: [Planning] 9a.: [County EOC] 8.: [Planning] 9b.: [Cupertino EOC] </pre>

- 9. Fill in any remaining fields, and then press Send.
- 10. From Outpost, press **Send/Receive** to send the message.

4.4 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 also works with other 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.



- Go back to Outpost. Open an Outpost message form. Press File->Open from the Outpost message menu.
- 5. 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 written on to the message form.
- 7. Take a look at the example to the right. Note that all fields are separated by commas, and fields with embedded commas are surrounded by quotes.
- 8. When done, press **Send** to move the message to the Out Tray.
- From Outpost, press Send/Receive to connect and deliver the message to the BBS.



NOTE: The file name is also set as part of the Subject. This will come in handy at the receiving end.

4.5 Receiving a spreadsheet .csv file

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

- 1. Once the Outpost message arrives, open the message.
- 2. Press File->Save As from the Outpost message menu.
- 3. The file name will default to that of the message's subject with the correct *csv extension. Press **Save**. Close the message.
- 4. Open Excel.
- 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 may show up in the file.

5 Alinco DR-135 Radio Setup Details



- 1. Turn the radio on by pressing the **PWR** button \bigcirc
- 2. Set the Squelch by pressing the **SQL** key ②. The **SQL** ③ icon appears on the display and the squelch level will be shown. Turn the tuning knob to set the Squelch level to 2. After 5 seconds, the display returns to normal.
- 3. Set the Volume level to so that the indicator is in the 10 o'clock position.
- 4. Select Memory Mode by depressing the **V/M** key ④. Verify that the **M** icon appears on the display.
- 5. Rotate the **MAIN** Dial (5) to select the frequency: 145.750 MHz. See Quick Reference section on Page 2 for BBS / Frequency combinations.

Changing Power Levels

6. Press *FUNC* and then *CALL (H/L)*. Note the L, M,
blank> indicator it the upper left portion of the display. Repeating this key sequence causes the Power Level cycle through each of the setting.

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