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2014 Year End Summary

Updates and Review



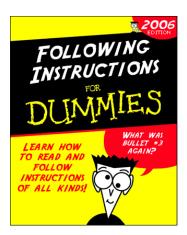
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Revised: 19-Dec-2014

Housekeeping

- Refreshments
- Pen/pencil & paper
- Cell phones & pagers
- Side conversations
- Questions
- Breaks
- Restrooms
- In case of emergency

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Agenda

- An update on changes that have occurred during the past year, plus a review of some key procedures.
- Topics covered:
 - Packet Operations
 - Net Control
 - Message Passing
 - ... and, for extra fun, a quiz!





Packet Network Update

2014 Year End Summary



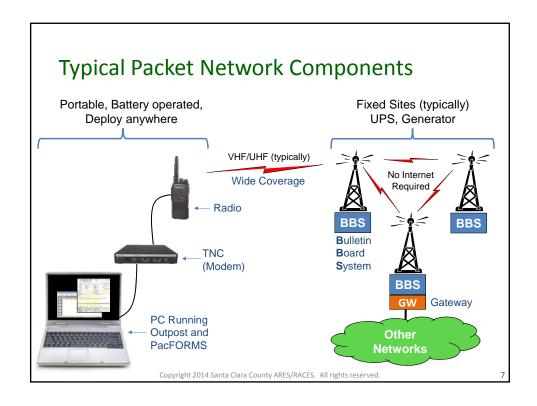
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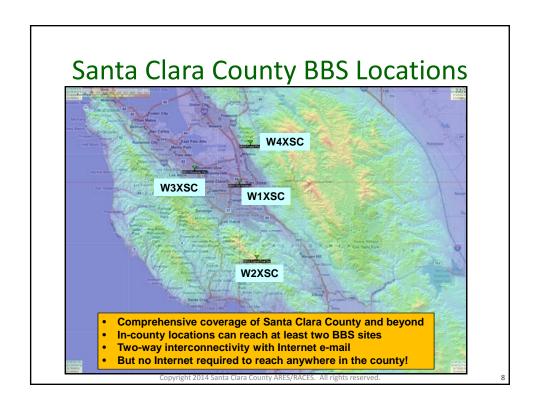
Revised: 19-Dec-2014

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Agenda

- Packet Overview
- Client Software: SCCo Packet Installer v73
- BBS Functionality
- Network Connectivity





Why Packet?

- Fast
 - 20 seconds to send error free message (vs. 2-3+ min. by voice)
- Accurate
 - No hearing, transcription, copying, logging, legibility problems
- Deployable
 - Anywhere in the county; VHF doesn't need strict line of sight
- Reliable
 - UPS and Generator at all hub sites
 - Reach at least two BBSs from anywhere in the county
- Meets agency needs for EmComm
 - PacFORMS reproduces format of standard county forms
 - Plain text for quick message or cut-and-paste data from other apps
 - E-mail gateway for health & welfare traffic to families

0

SCCo Packet Installer v73

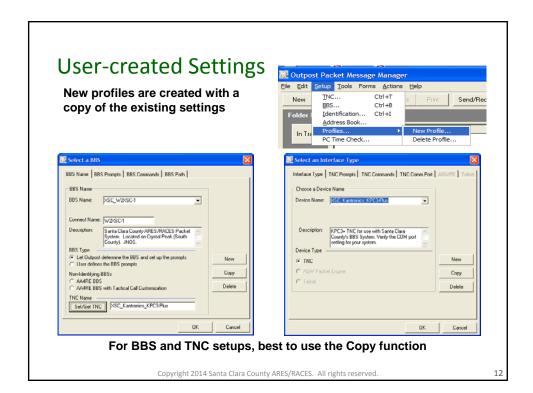
CLIENT SOFTWARE ENHANCEMENTS

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Outpost Enhancements

- Setup > Identification
 - Improved ease of switching between FCC and tactical call signs
- Setup > TNC
 - Updated TNC initialization command lists
 - Helps avoid some commonly seen problems with new users
- Setup > BBS
 - Added BBS initialization command lists
 - Helps avoid hangs due to XM (page length) not being set to zero
- Plain Text Delivery Receipts
 - Email users now receive human-readable delivery receipts
 - Great for health & welfare traffic to/from family members

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Outpost Enhancements (cont.)

- Session Monitoring
 - Session status now visible in the Status Line at the bottom of the main Outpost window
- Message size increased to 65 kB
 - Improves ability to cut-and-paste data from other applications
 - Enables manual UUENCODE attachments (caution!)
- Consistent use of "P" suffix
 - Indicates Outpost-generated message number
- Improved "Send" button placement

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PacFORMS and Other Enhancements

- PacFORMS Changes
 - All users
 - Minor typo-fixes
 - ECs, AECs
 - RIMS forms have been removed
 - Hospital net
 - · Updated hospital forms
- Web Site / Documentation changes
 - Main packet page
 - http://www.scc-ares-races.org/packet.html
 - Configuration and Setup Instructions
 - Standard Outpost Configuration Instructions (PDF)
 - Standard TNC Parameter Settings (PDF)
 - Updated for Kenwood TH-D72A, Kantronics 9612, MFJ 1270/1274 B vs C

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More Info / Future Enhancements

- For more details on Outpost, PacFORMS or the v73 Installer
 - Main Page
 - http://www.scc-ares-races.org/packet.html
 - Details for Packet Installer
 - http://www.scc-ares-races.org/packet/net/Packet Network Update 2014-10-27 New Installer.pdf
 - New BBS call routing
 - http://www.scc-ares-races.org/packet/net/Packet Network Update 2014-09-18 Tactical-Call-Routing.pdf
- Future enhancements currently being designed, implemented
 - More ease of use
 - Enhanced bulletin management
 - Enhanced profile management
 - Attachments?

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BBS FUNCTIONALITY

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JNOS Software Enhancements

- JNOS is the BBS software we use
- It continues to be actively developed/improved
- Some recent improvements to JNOS internals that were helpful to our configuration and use:
 - Improved address handling options
 - Improved logging options
 - Improved mailbox expiration options
 - Improved UDP tunneling through firewalls
 - Improved IP routing options
 - Bug fix: UTF-8 character set handling
 - Bug fix: Some outbound e-mails to Internet had missing domain

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SCCo BBS Functionality Enhancements

- Eliminated auto-forwarding of tactical calls
 - Message to all call signs, FCC or tactical now act the same
 - Standard format: callsign@bbscall or callsign@bbscall.ampr.org
 - Example: Herman Munster at W2XSC
 - w6xrl4@w2xsc or w6xrl4@w2xsc.ampr.org
 - Example: Xanadu EOC at W4XSC
 - xndeoc@w4xsc or xndeoc@w4xsc.ampr.org
 - If no domain (@...) is specified, message stays on the local BBS
 - Error rate of weekly check-ins is much lower now!
- Revamped internal address parsing rules
 - BBS hierarchical addresses, Internet addresses, NTS traffic, bulletins
- Improved bulletin handling
 - Bulletin area names, forwarding rules, ...

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Bulletins Overview

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

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Bulletins - Why Do They Matter?

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

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Bulletin Addresses

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

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Bulletin Addresses (continued)

- Address format: category@distribution
- Distribution
 - A six-character or shorter keyword which defines how widely the bulletin will be distributed
 - Sender picks from a pre-defined list
 - Acceptable distributions:
 - local Local BBS only
 - xsc XSC Operational Area (Santa Clara County)
 - bay San Francisco and Monterey Bay area
 - nca Northern California (generally North of the Tahachapi Mountains)
 - ca California
 - wusa Western USA (generally, West of the Mississippi River)
 - usa United States of America
 - noam North America (Canada, USA, Mexico, ...)
 - ww worldwide

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Bulletin Addresses (continued)

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

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JNOS Command: A (Area)

Use a terminal emulator such as Ipserial or PuTTY and your TNC/Radio to connect to the BBS for reading general bulletins

- 1. Type the JNOS "A" command to list areas that you can read
- 2. Your own area (mailbox) is listed first
- 3. Other shared mailboxes and bulletin areas are listed next

```
(#1) > A 1 Current message area is: allww

Available areas are:

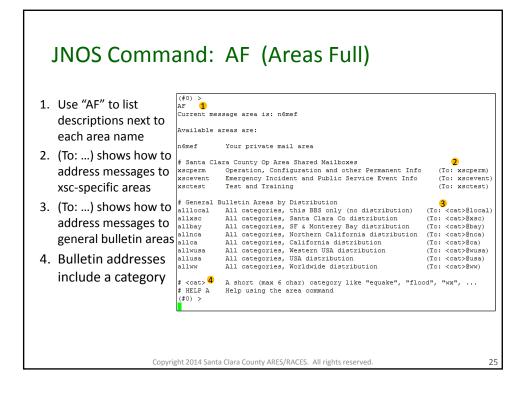
n6mef 3 Soperm Soceent Socest allocal allwas allusa allwa allwa allwa

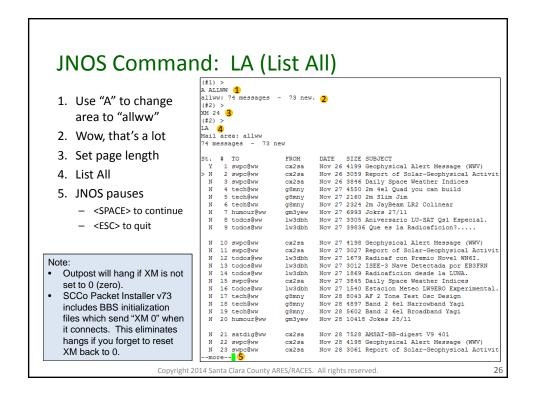
Type AF to get description of areas.

AF <name> tells more about that area.

(#1) >
```

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JNOS Command: LF (List Filtered)

1. Use L> to List Filtered by To: address

```
(#4) >
L> equake 1
Mail area: allww
74 messages - 72 new
St. # TO FROM DATE SIZE SUBJECT
N 31 equake@ww cx2sa Nov 29 2173 MOLUCCA SEA
N 53 equake@ww cx2sa Dec 1 2124 CARLSBERG RIDGE
(#4) >
```

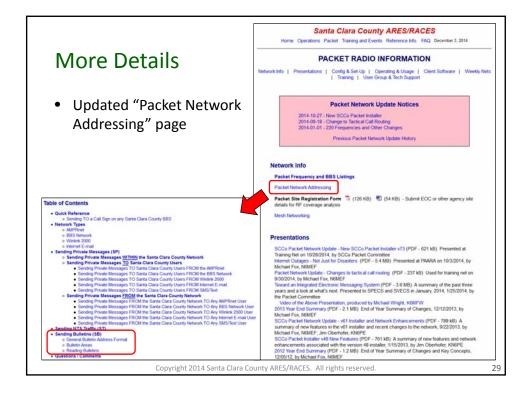
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2.

JNOS Command: R (Read)

- Use "R #" to read message number #
- JNOS pauses again, based on XM setting

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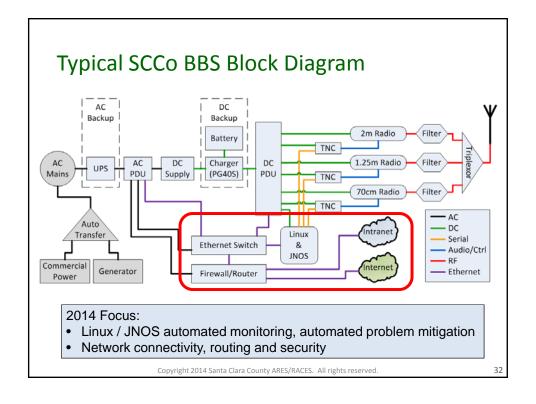
Bulletins – Current and Future

- For now, we'd like everyone to start familiarizing themselves with how to read bulletins
 - Use a terminal emulator such as Ipserial or PuTTY and browse the existing bulletins to learn what they look like and how they are used
 - Do <u>NOT</u> adjust the Outpost bulletin settings to add the general bulletin areas
 - There are far too many bulletins and some are very, very long
 - You will hog the channel for a long, long time
 - Read the Packet Network Addressing web page to learn more details about bulletin addresses.
- We're currently defining some future Outpost enhancements to help with reading more narrow subsets of bulletins
- Stay tuned for more details in the spring

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NETWORK CONNECTIVITY ENHANCEMENTS

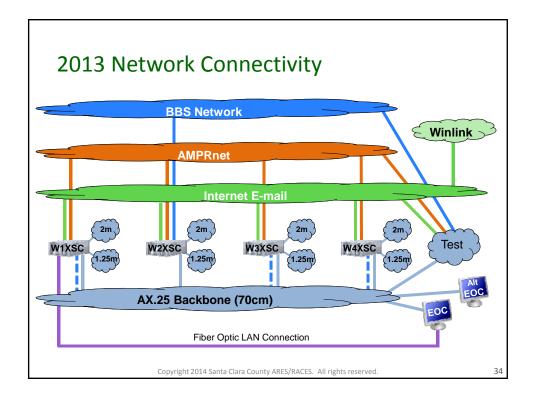
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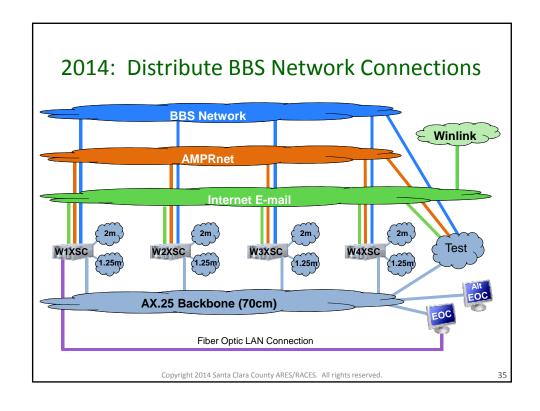


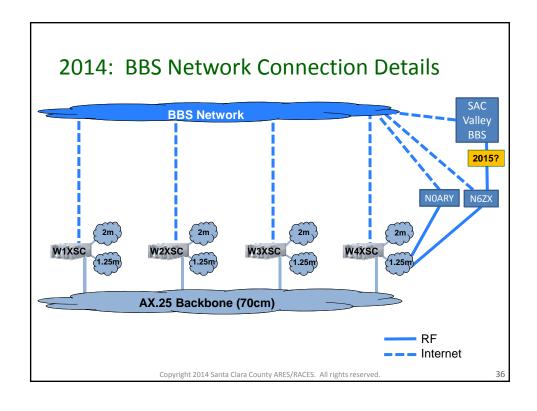
2014 Networking Focus

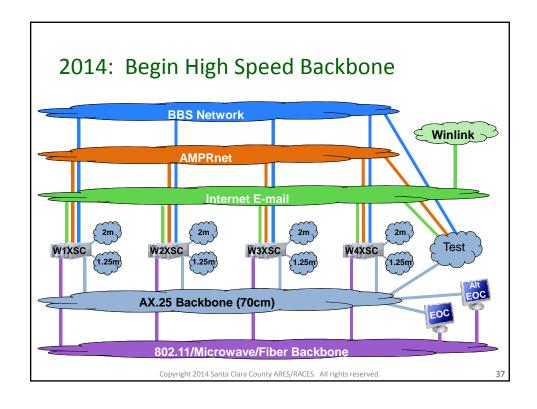
- Migrate to RF connectivity with other Bay area BBSs
 - NOARY Mt. Umunhum
 - N6ZX Woodside (covers most of San Mateo County)
 - Resulted in 220 frequency change between W2XSC and W4XSC
- Fully distribute BBS network connections to all BBSs
- Begin installation of redundant, high-speed backbone

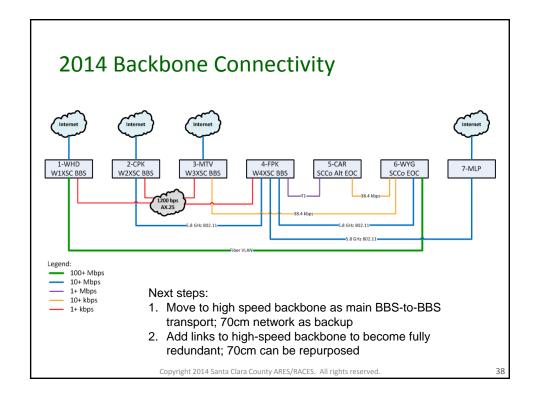
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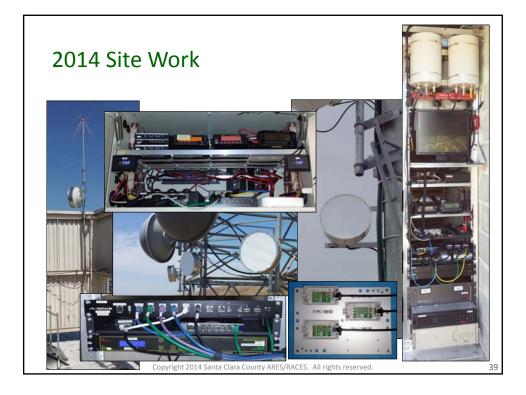








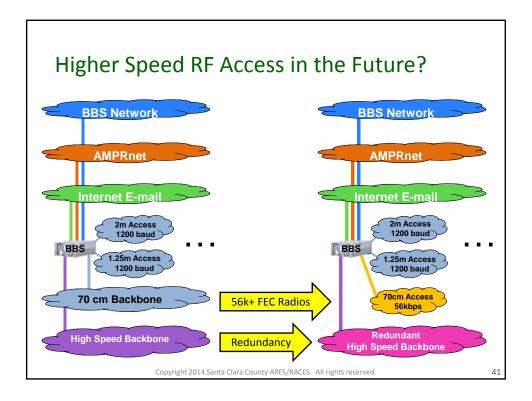




Improved Network Monitoring / Automation

- · Power and environmental monitoring at mountain locations
 - AC mains, UPS, battery voltage, temperature, humidity
- Mail queue monitoring
 - Identifies problems with mail queue: hung, address processing problems
- AMPRnet routing updates
 - Improved sanity checks before applying updated routes; updates twice daily
- JNOS-to-JNOS Connectivity Watchdog
 - Runs on all BBS machines
 - Monitors responses from local and all remote SCCo BBSs
 - Restarts local JNOS if not responding
- · Internet connectivity monitoring
 - Identifies loss of Internet connectivity at all sites

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Questions / Technical Support

- Yahoo Group: scc-packet
 - https://groups.yahoo.com/group/scc-packet
- 180+ members
 - If you have a question about packet radio, someone on that list is bound to have an answer!
- · Closed list to avoid SPAM
 - Be sure to follow instructions on the main group page to provide the correct information when you request to join

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Links

· Details for Packet Installer

http://www.scc-ares-races.org/packet/net/Packet_Network_Update_2014-10-27 New Installer.pdf

New BBS call routing

http://www.scc-ares-races.org/packet/net/Packet Network Update 2014-09-18 Tactical-Call-Routing.pdf

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END





Net Control Review

2014 Year End Summary



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Last Updated: 09-Dec-2014

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ICS 214 – Unit Activity Log

- Our version: ICS 214-SCCo
- A record of all major activities and events
- EVERYONE fills out a 214
 - Individuals: a unit of one
 - Teams: Team leader
 - Start when you get assignment (home)
- Occasional message traffic?
 - Just log it right on the 214
- Use multiple pages if necessary
- Turn in to supervisor at end of shift
- Instructions on back



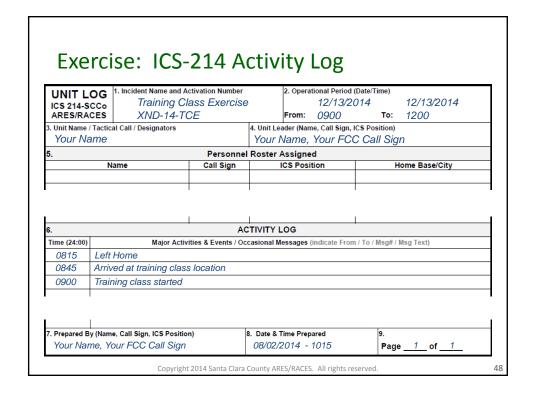
http://www.scc-ares-races.org/operations.html

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Exercise: ICS-214 Unit Log

- Create an ICS-214 log for the following scenario in City of Xanadu (XND)
 - Incident is "Training Class Exercise", activation code XND-14-TCE
 - The class will begin at 0900 hours and end at 1200 hours
 - You leave home at 0815 hours
 - You arrive at the training location at 0845 hours
 - The class starts at 0900

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ICS 309 – Communications Log

- Our version: ICS 309-SCCo
- Net Control Operators and stations with high message traffic
- Columns help organize key message tracking info
- Does not replace 214
 - EVERYONE fills out a 214
- Turn in to supervisor at end of shift
- Instructions on back



http://www.scc-ares-races.org/operations.html

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Example 309 – Resource Net

FROM and TO are usually FCC Call Signs; no message numbers

ICS 309-SCCo ARES/RACES 1. Incident Name and Activation Number Mockingbird Heights Mummy RIP-13-13T						lace	2. Operation	onal Period (Da 10/31/09 2000		e) 11/1/09 : 0400		
3. Radio Net Name (for NCOs) or Position/Tactical Call							4. Radio Operator (Name, Call Sign)					
Resource Net						Wolf Man, W6WOOF						
5. COMMUNICATION												
Time		FROM TO					Message					
(24:00)	Call Sign/	Sign/ID Msg # Call Sign/ID Msg #				- INICODAYC						
2300	W6XRL4	. [Leavin	ig home -	- 1313 Mocl	kingb	ird Lane ODO 123		
2315				W6XRL4	i	H&W -	- Highway	/ 13 – ODO	141			
2330	W6XRL4				i	Arrive	d ICP OF	OO 150; Che	eck-C	Out		
Service and Alle	A AMERICA AND			Allen a				the same of the same of	and.	The same and the s		

- Recommended: instead of writing "NC" or "NCO" for yourself, leave the call sign field blank
 - Makes it easier to see which messages were from/to field operators

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Example 309 – Message or Tactical Net

FROM and TO are usually tactical call signs; messages are numbered

10,01,00							10/31/09 11/1/09					
3. Radio Net Name (for NCOs) or Position/Tactical Call							4. Radio Operator (Name, Call Sign)					
Event Tactical Net						Herman Munster, K6XRL4						
5.				COMMU	NICATION	NS LOG						
Time	Time FROM TO					Message						
(24:00)	Call Sign	/ID	Msg #	Call Sign/ID	Msg #	Wessa	a _e					
0000	W6DRA	С			1	Check-In – Assigned tactical Blood bank 1 (BBANK1)						
0005	0005 All Checkpoints					First mummy on course; advise when at your station						
0015	BBANK	1	107	MH-ICP	204	Blood	bank is running short of 0+ blood					
0020	CP1				1	First m	nummy passing checkpoint 1					
dates on all	A SERVICE AND A		A resemble of	All the same		and the same	the street with my still be a fifth a surround or a still be					

- Use Msg # column for formal message nbrs; otherwise blank
- For tactical messages, instead of writing "NC" or "NCO" for yourself, you can leave the call sign field blank

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ICS 309 Start/Shift Change/End of Net Entries

- · Log an entry for start of net, shift changes, and end of net
- Helps to figure out which person handled which messages and confirms end of log

5.		IS LOG			
Time	FROM	И	то		Message
(24:00)	Call Sign/ID	Msg#	Call Sign/ID	Msg #	message
0900					Start Net
					Net Control = Your Name, <your call="" sign=""></your>
					Scribe = Herman Munster, W6XLR4
1000					Shift Change
					Net Control = Herman Munster, W6XLR4
					Scribe = Your Name, <your call="" sign=""></your>
1100					Net Closed
		Cons	right 2014 Conto	Clara Caunt	AV ADES /DACES All rights recogned

Exercise: ICS-309 Communications Log

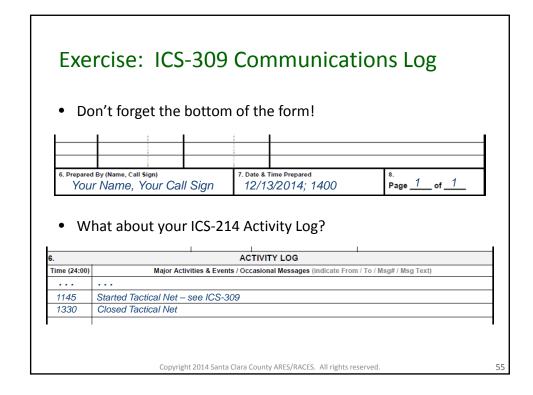
- Create an ICS-309 log for the following scenario in City of Xanadu (XND)
 - Incident is "Training Class Exercise", activation code XND-14-TCE
 - Operational period is from 11:00AM to 2:00PM on December 13, 2014
 - You start the net as NCO for the city's tactical net at 11:45 AM
 - Your scribe is Herman Munster, W6XRL4
 - You receive a message from Shelter 2 to the XND EOC at 11:55 AM
 - Their msg # S2-013; your msg # XND-106; subject = "Bed count"
 - Joe Hamm, KJ6HAM, checks in at 12:10 PM; assigned tactical call "Shelter 1"
 - Betty Ham, KB6HAM, checks in at 12:20 PM; assigned tactical call "Shelter 3"
 - The XND EOC sends a message to Shelter 3 at 12:50 PM
 - Your msg # XND-107; their msg # S3-1004; subject = "Inventory checklist"
 - You receive a message from Shelter 1 to the XND EOC at 1:05 PM
 - Their msg # S1-021; your msg # XND-108; subject = "Supply status"
 - You send to All Shelters at 1:10 PM, your msg # XND-109, "Exercise complete"
 - Shelters respond with their msg #s: S1-022; S2-014; S3-1005
 - You close the net at 1:30 PM

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Exercise: ICS-309 Communications Log

COMINI LOG		1. Incident Nan	ne and Activation	n Number	2. Operational Period (Date/Time)						
ICS 309-		Training	Class Exer	cise	12/13/2014 12/13/2014						
ARES/R	ACES	XND-14-	TCE		From: 1100 To: 1400						
3. Radio Net	Name (for N	COs) or Position	n/Tactical Call		4. Radio Operator (Name, Call Sign)						
Xana	adu Tact	ical Net			Your name, your FCC call sign						
5.			COMMU	S LOG							
Time	F	FROM TO									
(24:00)	Call Sign/ID Msg # Call Sign/ID Msg #		Message								
1145	145 Start Net		Start Net								
					Net Control = Your Name, <your call="" sign=""></your>						
					Scribe = Herman Munster, W6XLR4						
1155	Shelter	2 S2-013	EOC	XND-106	Bed count						
1210	KJ6HA	M			check-in – assigned tactical = Shelter 1						
1220	КВ6НА	M			check-in – assigned tactical = Shelter 3						
1250	EOC	XND-107	Shelter 3	S3-1004	Inventory checklist						
1305	Shelter	1 S1-021	EOC	XND-108	Supply status						
1310		XND-109	All Shelters		Exercise complete Confirmation #s follow						
1311		u u	Shelter 1	S1-022							
1312		"	Shelter 2	S2-014							
1313		u	Shelter 3	S3-1005							
1330					Net closed						
		Сору	right 2014 Santa	Clara County	ARES/RACES. All rights reserved.						



Procedure for Remote Transfer of Net NC1 = Current Net Control NC2 = Replacement Net Control Who What to Say NC2 Announces presence; ready for net control transfer NC1 Acknowledge; announce start of H&W; requests NC2 to acknowledge each response with a tactical call such as "net2" (or similar) NC1 Calls each person, one at a time, phonetically Individuals Respond as usual (for resource net: street location, odometer, call sign) NC2 "acknowledged, net2" or "roger, net2"; or "say again ..." NC1 Acknowledges; repeats process for rest of people on net NC1 Fills in NC2 on any other pending issues; asks if ready to take net NC2 Acknowledges all info; confirms ready NC1 Announces transfer of net NC2 Announces self as net control Copyright 2014 Santa Clara County ARES/RACES. All rights reserved

Exercise: Transfer of Level 3 Resource Net

- Need 3-4 volunteers
 - Net Control 2
 - Scribe for Net Control 2 (optional)
 - Traveler 1 & 2
- Rest of class: log as if you were Net Control 2 with no scribe
 - Use both ICS-309 and Travel Tracking Form
- Before you start:
 - Net Control 1: write down traveler call signs
 - Travelers: make up a street location and odometer reading
- Follow the script ...
 - "<...>" indicates where you substitute your actual information
 - Example: <NC2 call sign> means you say Net Control 2's call sign
 - Net Control 2: fill in ICS-309 as you go
 - Scribe for NCO2: fill in Travel Tracking Form as you go

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Exercise: Transfer of Level 3 Resource Net

Who	What to Say
NC2	Net control, this is <nc2 call="" sign="">, ready for net control transfer</nc2>
NC1	<nc2 call="" sign=""> roger; Break; All stations - I will now conduct a H&W check; when I call you, respond with street location, odometer and your call sign; <nc2 call="" sign=""> after each response, either request a fill or acknowledge; use tactical call net-2</nc2></nc2>
NC2	Roger, net2
NC1	<traveler 1="" call="" phonetically="" sign="" spelled="">, health and welfare</traveler>
Traveler 1	<street location=""> <odometer> <call sign=""></call></odometer></street>
NC2	Roger, net2
NC1	Roger. <traveler 2="" call="" phonetically="" sign="" spelled="">, health and welfare</traveler>
Traveler 2	<street location=""> <odometer> <call sign=""></call></odometer></street>
NC2	Say again odometer
Traveler 2	<odometer> <call sign=""></call></odometer>
NC2	Roger, net2
NC1	Roger. Health and welfare check complete
Continued on	neyt nage

Exercise: Transfer of Level 3 Resource Net Continued from previous page ... Who What NC1 Net2, do you need any other fills? NC2 NC1 O.K. Additional information follows: You need to contact Jenny at 867-5309 to unlink the repeaters after you close the net. NC2 NC1 Are you ready to take the net? NC2 Affirmative. NC1 This is <NC1 call sign> turning over net control to <NC2 call sign>; <NC1 call sign> clear. NC2 This is <NC2 call sign>, net control for the Santa Clara County Resource Net. This is a directed net... Copyright 2014 Santa Clara County ARES/RACES. All rights reserved.

Resulting Logs for Net Control 2 (New NC)

ICS-309

5.		COMMUNICATION	IS LOG			
Time	FROM	то	Message			
(24:00)	Call Sign/ID Msg #	Call Sign/ID Msg #	Message			
1150	<new nc=""></new>	NC	Check-in – assigned "net2" tactical			
1151		<traveler1></traveler1>	H&W Maple Street; odo 123			
1152		<traveler2></traveler2>	H&W Red Street; odo 321			
1153	<old nc=""></old>	ALL	Relinquished net; checked out			
1153	<new nc=""></new>	ALL	Taking over as new net control			

Travel Tracking Form

3. Call Sign			4. Travel	er Status ((5. Notes				
5. Call Sign	Check-In	Depart	H&W-1	H&W-2	H&W-3	H&W-4	Arrive	Check-Out	5. Notes
<traveler1></traveler1>			V						
<traveler2></traveler2>			✓						



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Message Passing

2014 Year End Summary



Santa Clara County ARES®/RACES

Updated 2014-12-11

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Agenda

- Review of basic concepts
- Message passing
 - Basics
- Message Forms
 - Formal
 - -Informal
- Exercises, exercises, exercises...

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Points to Remember...



- Messages must be passed correctly and concisely
- Illegible messages should go back to the Shift Supervisor or message originator for clarification.
- If you are given a verbal message, write it out, and get approval fro

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Points to Remember...



- Identify with tactical call, and use your FCC call every 10 minutes and at end of communication
- Transmit only facts, not conjecture
- Avoid sending personal or confidential information that you don't want seen on the "Nightly News"
 - Dead bodies

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Effective Radio Techniques



- Make only necessary transmissions
- Use procedures and techniques to reduce the number of transmissions
- Use a minimum of words to convey a message
- Drop PTT when not speaking; avoid "open mic" or "dead air"

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Use Control Phrases

- These words are spoken to begin or end the message, indicate information for the receiving operator, or to separate parts of the message
 - "All stations standby" or "All stations hold your traffic"

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Message Passing Do's & Don'ts

- Do not repeat the message
- Do not use Q-codes or 10-codes
- Do say numbers correctly: 11 is "figures one one"
- Do say time and date correctly
- Do minimize words; use Prowords:
 - "the date is ..." \rightarrow "date ..."
 - "Sorry, I didn't get that. Can you repeat ..." → "say again ..."
- Do record message #s
- Do send your message # when done receiving
- Do get acks from all stations in multi-station msg passing
- Do practice copying call signs
- Do practice standard ITU phonetics

Message Passing Exercise



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Catch that Callsign???? Comprehension is critical

- Take out your form one
- The instructor will read a list of callsigns
- See if you can get them all correctly.

How did you do?

- KJ6ACE
- KI6DDX
- KJ6CBR
- KI6RLD
- WU6V
- KI6IUT
- AE6ZY
- W6HW
- KK6VF
- KG6UW0
- KC6SKM
- KZ6O

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Message Handling Prowords

- I SPELL -
 - Used to indicate you are going back to spell the group just voiced. It is used with ONE GROUP AT A TIME, and is said IMMEDIATELY after voicing the group, followed by either phonetic or letter spelling of the group.
- I SAY AGAIN to repeat for clarity
 - Say the group(s), then "I say again", repeat the group(s), and then continue. It is wise to limit repeats for clarity to one group at a time to avoid confusion. In bad radio conditions, however, repeating phrases or whole lines of a message can increase the chance for correct copy.
- SAY AGAIN ... to request a repeat
 - Used by the receiver to request a repeat. Followed by a qualifier.
 Example: SAY AGAIN WORD AFTER ...

Message Handling Prowords

- WORD AFTER "Say again word after..."
 - Respond with group or part requested
- WORD BEFORE "Say again word before..."
 - Respond with group or part requested;
- BETWEEN "Say again between... and..."
 - Respond with group(s) between blanks, observing limits
- ALL AFTER "Say again all after..."
 - Respond with all groups after the one specified to the end of the message, unless limited
- ALL BEFORE "Say again all before..."
 - Respond with all groups in the message to the group specified, unless limited

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Some Rules of Thumb

- PAUSES
 - Pauses are crucially important tools in voicing messages. Pauses exist between words/letters, groups (essential for clarity and separation)
- SPELLING
 - Spell with letters or phonetics based on radio conditions, interference, or type of group. Use only standard phonetics.
 - ALWAYS use standard ITU phonetics
- PUNCTUATION (per SCC RACES practice)
 - Written "." will continue to be used at the end of a sentence, not a separate word group.
 - Spoken "." will be said as "period"
 - Written "?" will continue to be used at the end of a sentence, not a separate word group.
 - Spoken "?" will be said as "question mark"

Message Forms - formal

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Recommended Transmission Process

- Sender (wait for ACK each step)
 - Message #, Date, Time
 - Severity, Handling, Requests
 - To, From
 - Subject
 - Reference (if any)
 - Message 5 words at a time
 - "End of message"

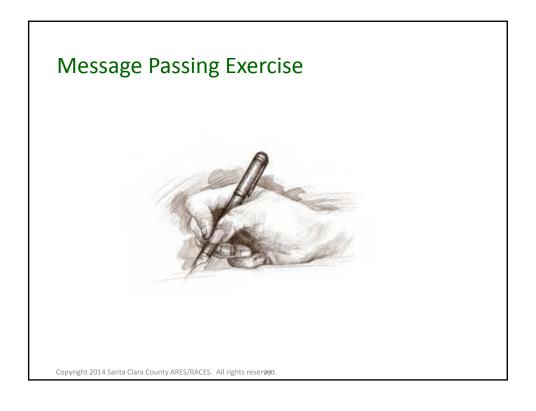
Receiver

- "Ack each section, or use prowords to ask for a repeat"
- "Ack the end of the message and respond with your message number."
- "End the transmission with your call sign"
- "Fill in the bottom part of the form, record it and hand it off as needed"

Sender

- ACK / Fill in receiver's message #
- "This is <call sign>"
- Fill in Operator Info





	06/10	Situation Severity (one) EMERGENCY (e.g., Life Threat)	o IV	andling O IMEDIAT (As Soon as		Message Requests You To TAKE ACTION (~one) Yes		
Time: (24 hour clock) 2347		<pre> Ú URGENT (e.g., Property Threat) OTHER (All others) </pre>	□ R	CLESS Than COUTINE (More Than	One Hour) One Hour)	☐ FOR YOUR IN		
	ICS Positi Planning	on: (required)			ICS Position Operations		d) s	
To: Location: DEOC		(required) ⁹		From:	Location: (required) 9 Saint Louise Hospital			
Name: (o)	tional)		Name: (optional)					
	Telephone	#:(optional)			Telephone #: (optional)			
SUBJ	ECT: 10	Availability of Medication						
		g., Number of earlier msg.): 11		77 (1001) (100)				
	age: " (what eed	t, when, where needed; how 50	long; co		e and phone:	number) K	EEP MSG BRIE lamivudine	
	to.	treat	two		cases		of availability	
	cute	hepatitis	В.		Advi	se		
a								

Message Forms - informal

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Critical components to capture....

Informal messages could be received verbally, or on any manner of writing material. From neatly written to total scribble and cryptic notes...

It's most important to capture the following key elements. At a minimum you might get:

• Who to / Who from / message details

Make sure you add the following:

• Date / Time / contact number/method

Example of an unfamiliar form: Donut Ordering Form

Date: 01-07-11 Time: 1050 hrs.

Person Ordering: John Henry

Glazed: 1 doz

Jelly: 1 Plain: 24

Bear Claws: 1/2 doz.

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Message Passing Exercise



INFORMAL

• Take out a Form 1

What was missing?

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Message Passing – problem solving

If an Operator is sending a message poorly (say a ICS213) – what do you do?

- You can suggest a process of, "left to right, top to bottom, 5words at a time"
- If that doesn't work, then you switch to a more directive approach by asking for individual fields: message number?, date?, time? To position?, etc.
- If, after going through that once, and the next message isn't done properly, might be time to suggest another operator (through discrete channels)

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If an Operator is sending a message poorly (using an unfamiliar form you haven't seen) – what do you do?

- Try suggesting: "First, tell me the names of each of the fields on the form, left to right, top to bottom. Pause after each one (or five) and wait for an acknowledgement by me. If the fields are numbered, tell me the number when you tell me the field name"
- Then ask for each piece of info by the field name.





Thank You!

We look forward to seeing you again next year:
Classes, drills, events, ...

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