



Year-End Summary

Review of Changes and Updates to Core Classes



Santa Clara County ARES®/RACES
Last Updated 2010-Nov-30

RES and Amateur Radio Emergency Service are registered service marks of the American Radio Relay League Incorporated and are used by permission

Copyright © Santa Clara County ARES®/RACES. All rights reserved.

Learning Objectives



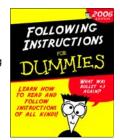
By the end of this class, you should be able to:

- · Explain the county arrival and departure process
- Understand and explain proper message handling techniques
- Explain the changes to the County Frequency Plan
- Understand and implement the changes to SCCo packet operations
- Understand the new packet infrastructure
- Identify the changes to Outpost & PacFORMS
- Explain message tracking rationale and proper message passing techniques

Copyright © Santa Clara County ARES®/RACES. All rights reserved

Housekeeping

- Pen/pencil & paper
- · Cell phones & pagers
- Side conversations
- Avoid spurious transmissions, hidden transmitters, and jamming the instructor....
- Questions
- Breaks
- Restrooms
- In case of emergency



Agenda

- Review Field Ops
 - Activation, process, forms, and arrival and departure process.
- Message Handling
- Logging
- Packet
- Web pages, network structure, network features, client software features, weekly packet check-in process.
- MAC Program
 - Typical Assignments, entrance requirements, tracking and completing the process, earning a qualification, tracking your status, new assignment process, and more.

Copyright © Santa Clara County ARES®/RACES. All rights reserved

FIELD OPERATIONS

- Preparation
- Assignment and Activation
- · Arriving on Scene
- Demobilization
- Message Handling Techniques

Copyright © Santa Clara County ARES®/RACES. All rights reserved.

Preparation



- Do NOT self-activate!!!
- Don't go anywhere, don't do anything except prepare
- Net Control may or may not make an immediate assignment
 - It may take time for incident command to determine what resources are needed and where they need to be deployed
 - Be patient; pay attention; monitor closely; respond promptly
 - If you are unable to monitor: inform Net Control that you need to leave the net and provide an alternative contact method
- If not immediately activated, use the time wisely to prepare
 - Continue to monitor closely; don't make the whole net wait on you!
 - Check your go-kit, including batteries, food, water, etc.
 - Check your personal situation: home, family
 - Get yourself ready to leave immediately
 - Then, go about your normal business, but continue to monitor
 - When called, answer promptly!

Assignment and Activation



- Net Control will call you at some point and offer an assignment
 Applies to both city and county nets

- You don't have to accept any assignment if you don't feel safe
 You shouldn't accept any assignment if you don't feel safe
 You shouldn't accept an assignment until you are immediately ready to leave
- Before leaving home, notify Net Control that you are ready to roll
- Report street location and last three digits of odometer You will be given travel and reporting information
- Write it down! Often includes important travel restrictions
- While en route, check-in every 15-20 min (or as directed by Net
 - CONTROI)

 Report your street location and last three digits of odometer

 e.g.*... location is Highway 101, odometer is 456, this is KE6AGJ*

 Don't wait for Net Control to call you

 Net control may be busy with tasks that you may not hear on the net

 Don't make Net Control ask you for the information

 You know what's needed (street and odometer) so don't slow down the whole net

Copyright © Santa Clara County ARES®/RACES. All rights reserve

RACES ASSIGNMENT

FORM

RACES Assignment Form 8anta Clara County ARES/RACES

RACES ACTIVATION NUMBER:			
ASSIGNMENT TASK:			
ASSIGNMENT ADDRESS (Street, City):			
THOMAS GUIDE MAP INFO:	Page:	Gete:	
LOCAL CONTACT: Name			
LOCAL CONTACT: Phone Number			
LOCAL CONTACT: Frequency, PL			
START TIME:			
LENGTH OF ASSIGNMENT:			
STARTING ODDMETER READING:			

TRAVEL PRESE	MINEY (MEDICANCE NET)	
REPARE	PREGNESCY (MINIO	TOME (FL)
MIRT (Princy)	148.115 (6)	100.0
LEADED TO WASH (North Viciny)	145 270 (+)	130.0
LINKED TO MENUC (SWITS WITH)	444.825 (4)	1109

- sading the Sens Clare County RACES Resource for Control, contact your city ECto verify they we can the County delfin and those I this is a mining event, you should contact your EC before the event to be in how been industrial exception to the cell.

http://www.scc-ares-races.org/operations/forms/RACES_Assignment_Form.pdf

Arriving on Scene



- When you arrive at your destination, <u>STAY</u> in your vehicle and do the following:
 - Tell the Travel Net you have arrived and you are checking out.
 - Make contact with the Event Net control, announce that you have arrived and are checking IN. They should give you instructions as to where to report next (maybe Staging, maybe another location, etc.)
- Staging, maybe another location, etc.)

 If you CANNOT make contact with Event Net Control, return to the travel Resource Net Control and ask for further instructions.

 Do all this FROM YOUR VEHICLE using the more powerful mobile radio.

 Do NOT leave your car and walk to the event they may not want you there and this violates the Country's standards of operation.

 At the Event, check in where instructed
- - ICS 211A Communications Check-In form (ICS 211A-SCCo)
- Follow the instructions of the local team

 Be patient; you may be asked to wait until others arrive
 - Be courteous; you are there to help, not run the show
- Remain in constant contact with the local tactical net

 If you need to go off the air, inform Net control

 - If we lose track of you, we must spend time and resources to find you; you have become part of the problem

Relief Briefing



Source: "Performance Standards and Best Practices"

- Provides complete and accurate relief briefings, including the following (as appropriate for the situation)
 - Assignment, activation number,
 - Served agency and official in charge, including how they are recognized
 E.g. vests, hats, badges, etc.
 - Frequencies, tactical calls, net station locations, emergency contact numbers
 - Who to contact regularly
 - Radio, power supply, antenna information
 - Nearest telephone: location and number
 - Location of toilet, water, food, first aid, and other supplies
 - Summary of previous operational period
 - Current status of people, resources, incident (as it relates to communications)
 - Pending issues for next operational period (if any)
 - Introduces replacement to the rest of the team

Copyright © Santa Clara County ARES®/RACES. All rights reserved

10

Demobilization



- At the Event, upon relief or at end of assignment, sign OUT where instructed
- ICS 211A Communications Check-In form (ICS 211A-SCCo)
- Go to your vehicle and do the following from your vehicle using the more powerful mobile radio.
 - First check OUT with the Event Net control.
 - Then check IN on travel Resource Net (be it City or County). Inform them you are proceeding to home.
- Give street location and last three digits of odometer
- Check-in every 15-20 minutes on the way home
 - Give street location ("Highway 101") and last three digits of odometer
- Check-out when you arrive home
- Give location ("arrived at home") and state you are checking out
- You are responsible for maintaining contact with net control at all times

pyright © Santa Clara County ARES®/RACES. All rights reserved.

MESSAGE HANDLING

- Recommended Process
- Exercise

Process	MESSAGE FORM	na.t. America
Sender Message #, Date, Time Wait for ACK Severity, Handling, Requests Wait for ACK * Wait for ACK To, From * Wait for ACK Subject Wait for ACK Reference (if any) Wait for ACK Message 5 words at a time Wait for ACK after each 5 words "End of message" Receiver ACK followed by receiver's message #	The measure of the control of the co	State 25 to 15 to
- This is ceal signs" - This is ceal signs" - Fill in Operator Info Sender - ACK Msg # / Fill in receiver's message # - Fill in Operator Info "This is ceal signs"	111 3 Simpune 3 Operand 3 Penning Special Spec	Time (NC) predictor paid regis for proceedments in redic

Critically important for tracking messages Message # YOUR message number (often pre-stamped to ensure uniqueness) When Receiving, Sender's Message # If you are receiving a message, put the sender's message number here When Sending, Receiver's Message # If you are sending a message, put the receiver's message number here MESSAGE FORM When Receiving 1 When Receiver's message When Receiving 2 When Sending Mag 1 L'us Ballpaint Pres-Press Hard; Print Clearly When Sending Mag 2 When Sending Mag 3 When Sending Mag 3 When Sending Mag 3 When Sending Mag 3 L'us Ballpaint Pres-Press Hard; Print Clearly When Sending Mag 3 Mag 4 Mag 5 Mag 5 Mag 7 Mag 7 Mag 8 Mag 8

Message Handling Prowords • WORD AFTER • WORD BEFORE • BETWEEN • ALL AFTER • ALL BEFORE • I SPELL • FIGURES • FIGURES • Say again word before..." "Say again between... and..." "Say again all after..." "Say again all before..." "Say again all before..." "Figures Wun, ZEE-row, NINE-er" (= 109)

Pronouncing Numerals

0 - zero (ZEE-row) 5 - five (FY-ive)
1 - one (WUN) 6 - six (Sicks)
2 - two (TOOO) 7 - seven (SEV-vin)
3 - three (THUH-ree) 8 - eight (Ate)
4 - four (FOH-wer) 9 - nine (NINE-er)

- Zero is always "zero"; never "oh"
- Decimal point is "decimal" or "point"; never "dot"
- Larger numbers are spoken as a string of single digits:600 = "six zero zero"
- Often preceded by the word "figures"
 - "Please copy 109" → "Please copy figures one zero niner"
 - "Requesting 16 blankets" \rightarrow "Requesting figures one six blankets"

Copyright © Santa Clara County ARES®/RACES. All rights reserved.

Sending to More Than One Station

- Announce message
 - "All Stations, All Stations, Stand by to copy one routine message"
- Pick a pacing station
 - "Mountain View, will you be my pacing station?"
 - "Mountain View acknowledges"
- Send message as normal
 - Pacing station provides acknowledgements during message transfer
- Ask for acknowledgements from other stations
 - "I will now poll all stations for acknowledgements. When I call you, respond with your message number or request a fill."
 - "Los Altos" ...
 - Gives stations an opportunity to ask for "fills" or repeats
 - Confirms which stations received the message

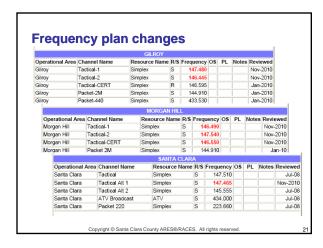
ppyright © Santa Clara County ARES®/RACES. All rights reserved.

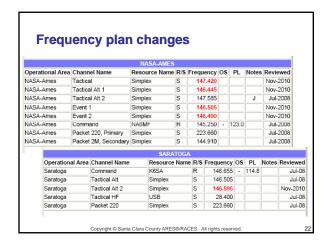
Example Message

- Everyone will need a 213 Message Form
- I will send a message to all stations using a pacing station
- · Everyone will copy the message
- After the pacing station acknowledges, you can ask for fills
- We'll compare at the end

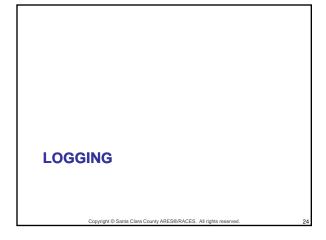


FREQUENCY PLAN CHANGES





Operational Area			_					
	Channel Name	Resource Name				PL	Notes	Reviewed
Stanford U	Primary	N6BDE	R	440.200	+	123.0		Jul-08
Stanford U	Tactical-1	Simplex	S	146.490		123.0		Jul-08
Stanford U	Tactical-2	Simplex	S	146.550		123.0		Nov-2010
Stanford U	Tactical	W6YX	R	1282.500	-	88.5	0	Jul-08
Stanford U	Tactical	WA6ITV	R	1292.550	-	88.5	Р	Jul-08
Stanford U	Packet tcp/ip 1200	W6YX-9	S	145.750				Jul-08
Stanford U	Packet tcp/ip 9600	W6YX-10	S	433.430				Jul-08
Stanford U	Packet 220	Simplex	S	223.660				Jul-08
Stanford U Stanford U			-					



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
- · Occasional message traffic?
 - Just log it right on the 214
- No need to use a 309 Comm Log
- Use multiple pages if necessary
- · Start it when you receive your assignment
- Turn in to supervisor at end of shift



Copyright © Santa Clara County ARES®/RACES. All rights re

Example 214 (individual field communicator at checkpoint) UNIT LOG | Subdest Name and Adjusted Name and Religion Name | Committee | Comm Personnel Roster Assigned Call Sign ICS Position Home Base/City ACTIVITY LOG Major Activities A Events, Occasional Messages (From Fin 1 Mingel / Ming Taxi) Received assignment; leaving home Arrive at Incident Command Post - Gateman, Goodbury & Graves funeral home Assigned to Checkpoint I Arrived at Checkpoint I

• 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

ICS 309 – Communications Log

Turn in to supervisor at end of

· Instructions on back

COMMENT IN STREET	

- Optional instead "NC" or "NCO" for yourself, leave blank
 - Makes it easier to see which messages were from/to field operators

Copyright © Santa Clara County ARES®/RACES. All rights reserved.

Example 309 (Event tactical/message net)

Example: Herman Munster's net control log

	-SCCo	Mockingl RIP-13-13	-		4. Red	2. Operational Period (Date/Time) 10/31/09 11/1/09 From: 20:00 To: 04:00 to Operator (Name, Call Sign) ferman Munster, K6XRL4	
5. COMMUNICATIONS LOG							
Time	FRO	м	то		Message		
(24:00)	Call Sign/ID	Msg #	Call Sign/ID	Msg #	Messa	pe .	
00:00	W6DRAC				Check	-In – Assigned tactical Blood bank 1 (BBANKI	
00:05			All Checkp	oints	First	mummy on course; advise when at your station	
00:15	BBANKI	107	MH-ICP	204	Bloo	d bank is running short of 0+ blood	
00:20	CPI				First	mummy passing checkpoint I	

- Use Msg # column for formal message nbrs; otherwise blank
- For tactical messages, you can leave to/from blank if yourself

Copyright © Santa Clara County ARES®/RACES. All rights reserved.

Resource Net Status Tracking with a Form

Resour Travel Tra	ce Net		ame and Activ	alion Number				100	Operational Period (D pen:	ate / Timus) Tax
F-10 (F)	Farmer.		4. Travele	er Statue (C	0:00 24-hou	at -oc- 41	7 65045		S. Notes	
5. Call Sign	Check-in	Depart	HSW-1	HSW-2	HSW-3	HSW-4	Atrice	Check-Or	S. Motes	
								-		
								-		
	-					-		-	-	
								_		

- Don't get too hung up on the perfect form, t-card or whatever
 - You should be able to do this from anywhere, with anything
- The task is to track status; method is up to you
 - Who are you tracking? What is their status? When do you need to contact them next?
- Make sure you track status correctly!

Travel Traci	e Net ling Tool		om Exerc		XSC-10	-01A		Z. O Fro	3/5/10 06:00 To: 3/5/10 07:00
S. Call Sign			4. Travel	er Status (C	00:00 24-ho	e -ee- 4)			5. Notes
B. Call Sign	Check-In	Depart	HSW-I	HSW-2	HSW-3	HSW-4	Arrive	Check Out	S. Notes
N6JRC	06:01	06:05	06:20	06:35	06:50				
K6FSH	06:02	1					06:14	1	
KF6ZSQ	06:07	1	06:21					06:36	Requested to leave early
K6FJC	06:08	06:32	06:47						
KD6SOJ	06:15	1	06:30	000					
		ime i	00,00	<i>06:45</i> ν 06:	57		06:49	· /	
• \	The t Who Who	has a	s nov arrive	w 06: ed at the n	the o	destir			

PACKET

Disclaimer

- Just about everything we do with packet in the county has changed during 2010
- Functionality and reliability have been improved
- That means there is much more to learn
- · Even more improvements are coming
- This section can only make you aware of the changes; it cannot replace 6+ hours of training plus practice
- Packet users are strongly advised to keep up with the regularly scheduled packet classes

Main Packet Page

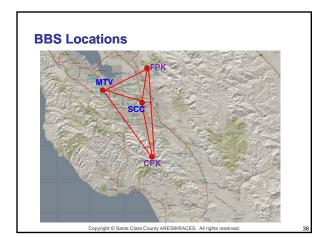
- Network Update Notices
 - Stay up to date!
- Frequencies & BBS info
- Presentations
- Configuration & Set-up
- · Operating & Usage
- Client Software
 - Outpost / PacFORMS
- User Group & Tech Supp
 - Yahoo Group: scc-packet



Copyright © Santa Clara County ARES®/RACES. All rights reserved

Packet Network Infrastructure Changes

	Before 2010	2010 and beyond
BBS	• Single BBS • SW: DOS, AA4RE, no supp. • HW: 386; DOS; custom	4 BBSs (2 implemented so far)SW: Linux, JNOS, active devel.HW: 12v, off-the-shelf
Frequencies	3 access frequencies shared by 25+ agencies	Access: 2m, 220 per BBS Backbone: 440
Performance	PoorCounty EOC bottleneckUse of digis adds traffic	Improved First 7 agencies moved to new structure have excellent perf.
RF Coverage	Poor Digi on Crystal Peak not dependable	Improved Digis upgraded to BBSs with better antennas, filters (early 2011)
Redundancy	• None	Excellent Each agency will be able to reach at least 2 BBSs



BBS Assignments

- Each city/agency is assigned a primary BBS
 - City/agency EOC and all other users within that city/agency should use that BBS
 - Example:
 - MTV is primary for: Los Altos, Los Altos Hills, Mountain View, NASA/Ames, Palo Alto, Palo Alto Red Cross, Stanford
 - Any sites (EOCs, fire stations, parks, shelters, etc.) or individuals in those cities use the MTV BBS as their primary
- · Assignments based on RF propagation study

Copyright © Santa Clara County ARES®/RACES. All rights reserved.

27

Backup Connectivity

- · Each agency also has a backup BBS
- Normal operations:
 - Each agency connects to their primary BBS
- If a particular BBS fails:
 - Agencies on failed BBS connect to their backup BBS
 - Agencies are evenly distributed across backup BBSs
 - Ex: if MTV fails, there will be three other BBSs. So, approximately 1/3 would connect to each of the other BBSs.

Note: Until Crystal Peak and/or Frazier Peak is deployed, some agencies can only reach the primary.

Copyright © Santa Clara County ARES®/RACES. All rights reserved.

BBS & Freq Page

- BBS info
 - Name
 - Call sign
 - Access frequencies
 - Location
 - Comments
- BBS Assignments & Routing
 - Agency
 - Prefix (used for many purposes)
 - Primary & Secondary BBS
- Other Nodes
 - Info about other systems in the area



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

Addressi	ng a Message		
To Send to:	Format	Example	Note
Self	<call sign=""> -or- <call-sign>@<bbs-name></bbs-name></call-sign></call>	N6MEF	
User on same BBS	<call sign=""> -or- <call-sign>@<bbs-name></bbs-name></call-sign></call>	N6JRC	
User on different BBS	<call-sign>@<bbs-name></bbs-name></call-sign>	KA3L@SCC	1
Agency on Pri BBS	<tactical-call></tactical-call>	XSCEOC	2
Agency on BkUp BBS	<tactical-call>@<backup-bbs-name></backup-bbs-name></tactical-call>	XSCEOC@MTV	
Multiple addresses	<address>;<address></address></address>	N6JRC;KA3L@SCC	3
	sted on the packet frequency page. Ind 6 that is assigned to their city/agency	ividuals are requeste	ed to
2) City/county tactical	al calls are auto-routed to their primary E	BBS	
o@ <bbs-nar< td=""><td>me> is o.k. but not required)</td><td></td><td></td></bbs-nar<>	me> is o.k. but not required)		
3) Outpost uses the	BBS command "SC" to "cc" the addition	al addressees	
	Copyright © Santa Clara County ARES®/RACES. All rights	reserved.	40

Agency-specific Tactical Calls

- Agencies can request tactical calls for packet
 - As many as you need; must start with agency tactical prefix
 - Example usage: packet operators deployed to shelter, school, ...
 - Instructions: http://www.scc-ares-races.org/packet.html
 - "How to Request Tactical Calls"
- Tactical calls also added for Coastal Region and all surrounding counties
- Updates occur approximately once per quarter
- Once added to BBSs:
 - Packet users can log in with city tactical call signs
 - Messages automatically routed to agency's primary BBS
 - Example: Messages to LOSxxx routed to LOSxxx@MTV
 - Auto-routing can be overridden by specifying desired BBS (@bbsname)

Copyright © Santa Clara County ARES®/RACES. All rights reserved

Packet Comms Outside the County

- Tactical calls created for:
 - OES Coastal Region (located in Oakland)
 - Surrounding counties: Alameda, Contra Costa, Marin, Monterey, San Benito, San Francisco, San Mateo, Santa Cruz
- Many can reach MTV or SCC
- Crystal Peak enhancements should fill in the remaining gaps

Integrated Installer



- Installs Outpost & PacFORMS
 - Places OutPost in a separate directory (SCCo Packet) so it doesn't impact existing Outpost
- Includes standard TNC and county BBS setups
- · Includes all standard county user settings
- · Checking version info
 - Start > Programs > PacFORMS > SCCo Version

1. Install: v19 2. Outpost: v250c007 3. PacRELEASE: v3.3

- Start > Control Panel > Add or Remove Programs

- Start > Control Panel > Add or Remove Programs
- Start > Start > Start | S

Copyright © Santa Clara County ARES®/RACES. All rights reserved.

Standard TNC Settings

- Required when using the county packet net
- Reduces traffic by 80% vs. default settings
- · County installer includes for common TNCs
 - Kantronics KPC-3, KPC-3+, Timewave PK-96, Kenwood TM-D710
- Consult documentation for other (AGWPE)
 - http://www.scc-ares-races.org/packet.html

Configuration and Set-up Instructions

Standard Outpost Configuration Instructions - 09/11/2010 (PDF - 608 KB)

Standard TNC Parameter Settings - 05/05/2010 (PDF - 456 KB)

Ib/OS Settings for Outpost - 02/24/2010 (PDF - 86 KR)

Copyright © Santa Clara County ARES®/RACES. All rights reserved.

Auto-Delivery Receipts



- Sending
 - When you receive a message, Outpost generates the delivery receipt
 - Receipt is sent next time you Send/Receive (not visible in Out Tray)
- · Receiving
 - Subject line: "DELIVERED: <your original subject line>"
 - Message contents: the date and time delivered



SCCo Bulletin Areas



- Santa Clara County ARES/RACES uses only two bulletin areas
 - perm
 - Used for bulletins which don't expire
 - Examples: standard county procedures
 - 30days
 - Bulletins posted here automatically expire 30 days after date posted
 - Examples: Monday & Tuesday night check-in lists, drills, events, incidents
- County installer enables both bulletin areas

Copyright © Santa Clara County ARES®/RACES. All rights reserved.

Testing and Experimenting with Bulletins Do Not send test or "unofficial" messages to the county bulletin areas: "perm" and "30days" Only authorized users should post to "perm" and "30days" Do test and experiment with the "1daytest" bulletin area To retrieve: The man bird file beam is a 051 MPS ANKS (separated by commanding the series of the se

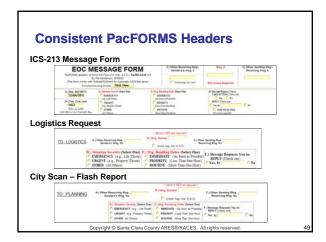
Automated Standard Subject Line

- County standard Subject: line
 - [Originator Msg #]_[Severity]/[Handling-Order]_[Subject]
 - Documented: http://www.scc-ares-races.org/packet.html



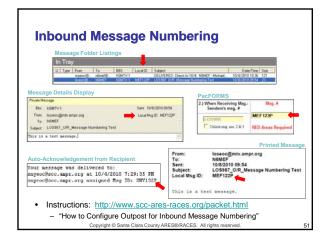
- Manual entry required for Outpost text messages
- PacFORMS automatically populates in Outpost subject line with info from the form

Bbs:	W6XSC-1
From	XSCEOC
Τα	LOSEOC
Subject	XSC123_O/R_ICS213_Test Message Subject Line



Inbound Message Numbering

- Some agencies number each incoming message with their own number
- ICS 213-SCCo has a place for Sender's vs. Recipient's message number
- Voice messaging procedures have used this for years
- Outpost & PacFORMS now perform this function automatically
- If configured, incoming message numbers appear:
 - In the message list for each folder (Ex. In Tray)
 - On the message detail when viewed on screen or when printed
 - In the proper box on a PacFORMS message
 - In auto-acknowledgements
 - In the ICS 309 Communications Log



ICS-309 Communications Log

- Outpost now produces an ICS 309 communications log
- The log can be automated to print on a regular interval
- Configuration Options:
 - Reporting period, content, sort, layout, output destination
- Instructions: http://www.scc-ares-races.org/packet.html
 - "How to Configure Outpost for Automated ICS-309 Printing"

Copyright © Santa Clara County ARES®/RACES. All rights reserved.

ICS 309 Communications Log

COMMU	NICATIONS LO	G	TASK# MEF-10-10-01		Date/Time Prepared: 10/08/10 09:37			
Operational P 10/01/10 0	eriod: 0:00 to 10/08/10:		Task Name: Example Log Output					
Radio Operator Name: Michael Fox				Station ID: N6MEF				
LOG								
Time	From	То	Msg ID	Local ID	Subject			
10/04 16:44	N6MEF	SNYEOC			Check-In 10/4: N6MEF - Michael - Los Altos - via MTV			
10/05 19:06	K6FCW@MTV	N6MEF@SCC		MEF120P	RE: Packet Tactical Call Signs 10-Sep-2010			
10/05 19:07	N6MEF@SCC	K6FCW@MTV			DELIVERED: RE: Packet Tactical Call Signs 10-Sep-2010			
10/05 19:08	N6MEF@MTV	K6FCW@MTV			RE: Packet Tactical Call Signs 10-Sep-2010			
10/08 09:29	N6MEF	K6FSH	MEF401		MEF401: new feature test			
10/08 09:29	SNYEOC@SCC	N6MEF@MTV			DELIVERED: Check-In 10/4: N6MEF - Michael - Los Altos - via MTV			
10/08 09:32	N6MEF	K6FSH	MEF402		MEF402_O/R_Testing New Feature			
10/08 09:36	NEMEF	K6FSH	MEF403		MEF403 O/R ICS213_Test of PacFORMS message number			

Weekly Packet Check-In Procedure

- Weekly check-ins have migrated to the county network
- Connect to the primary BBS assigned to your city/agency
- Address your message to: SNYEOC
 - A new tactical call will soon be added for weekly check-ins; stay tuned
- Use a different PacFORM each week as a way to test and become familiar with them

Upcoming Enhancements

- · Add next two BBSs:
 - Crystal Peak December install; January test
 - Frazier Peak early 2011
- · Additional services from the network
 - E-mail gateway: exchange messages with Internet e-mail addresses (early 2011, restrictions likely)
 - AMPR.org gateway: exchange messages and bulletins with other ampr.org (net 44) BBSs around the world (early 2011)
 - BBS gateway: exchange messages and bulletins with traditional amateur BBS network (maybe)
- Additional client software features (Outpost/PacFORMS)
 - Variety of ease of use enhancements

Copyright © Santa Clara County ARES®/RACES. All rights reserved.

MAC PROGRAM

Copyright © Santa Clara County ARES®/RACES. All rights reserved

What is a Mutual Aid Communicator?

- Amateur radio operator (any license class)
- Willing to be deployed outside their own city
 - Typical shift is 8 hrs; be prepared for 12 hrs
- Meets basic/minimum requirements
 - AdministrativeTraining
 - Equipment
 - Experience
 - Experience
 Performance
 - Ongoing Participation
- Nominated by EC and approved by CRO

Typical MAC Assignments

- Field Communicator
 - Field checkpoints, CERT team communicator, damage surveys, crowd observation and information assistance, shelters, ...
- Net Control Operator
 - County EOC, city EOC, tactical nets, staging area nets, ...
- · Packet Operator
 - County EOC, city EOC, shelter, staging area, ...
- Shadow Communicator
 - Public event staff, city or county staff, hospital staff, ...
- HF Operator (TBD)
 - Pass traffic out of the county, remote locations, ...

Copyright © Santa Clara County ARES®/RACES. All rights reserve

MAC Program Entrance Requirements



- Candidate is designated "MAC in Training" (MIT) by EC
- Candidate completes nomination requirements
- Emergency Coordinator nominates candidate when
- County RACES Chief Radio Officer can accept or decline
- · Once accepted, the individual becomes a MAC

Details in the MAC Program Handbook: http://www.scc-ares-races.org/m

County Performance Standards

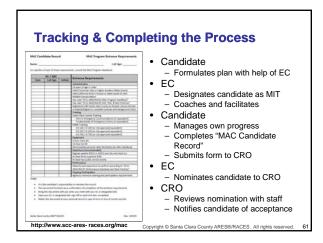


and Best Practices

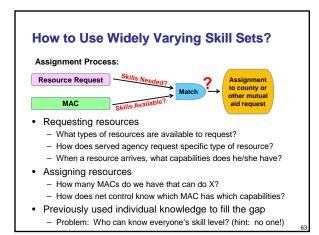
· What are they?

- An objective set of performance standards for emergency communicators
- Where did they come from?
 - Distilled from county training courses and best practices
- How are they used?
 - Recommended for ALL!
 - Required minimum standard for MACs
- Objective standard for MAC evals

20

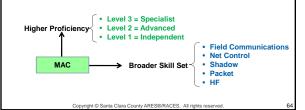


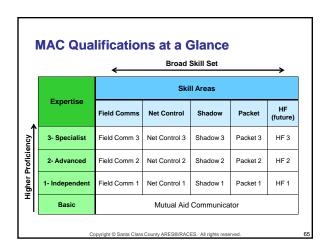
Opportunities to learn Different cities + different served agencies + MAC drills = higher proficiency + broader skill set Higher Proficiency Broader Skill Set Existing pool of MACs has widely varying skill sets This occurs naturally, based on individual interest That's part of what makes it fun



MAC Qualification Program Structure

- Take what we already do and divide it into meaningful and useful "buckets" of capabilities
- Structure:





Candidate completes requirements for the skill level Prerequisites, training, participation Candidate undergoes a standardized evaluation Conducted during drills, approved public service events, ... Candidate simply operates their assignment normally Evaluator observes performance vs. the Performance Standards No "gimmes" and no "gotchas" If passed, qualification is recorded in county database If not, attend more training, get more experience, try again Skill Level Requirement substantial standards Requirement substantial standards

