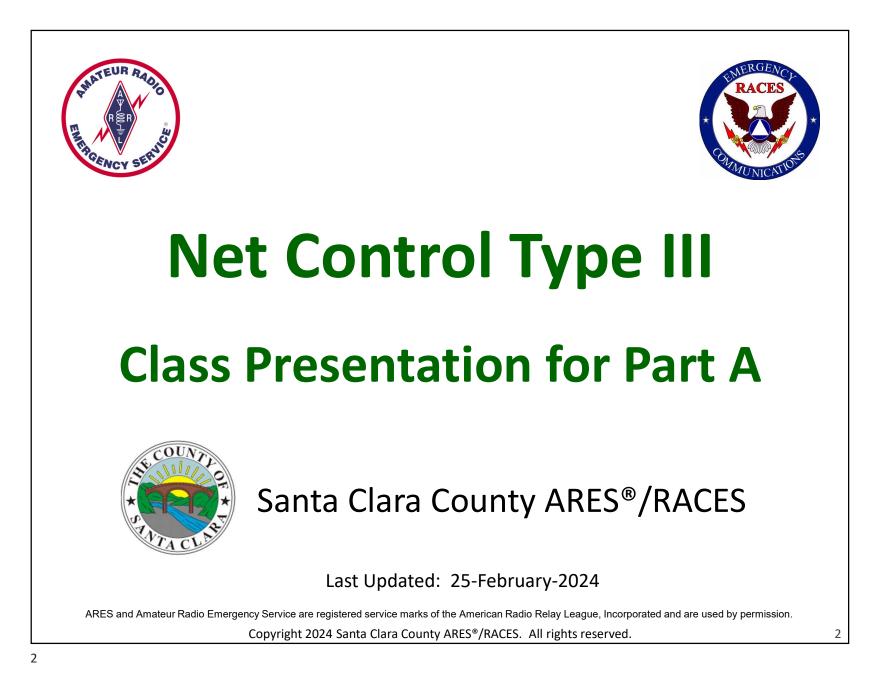
USE AND DISTRIBUTION NOTICE

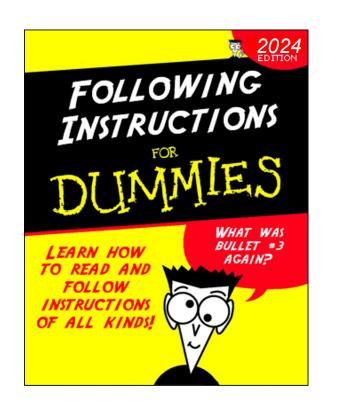
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Housekeeping

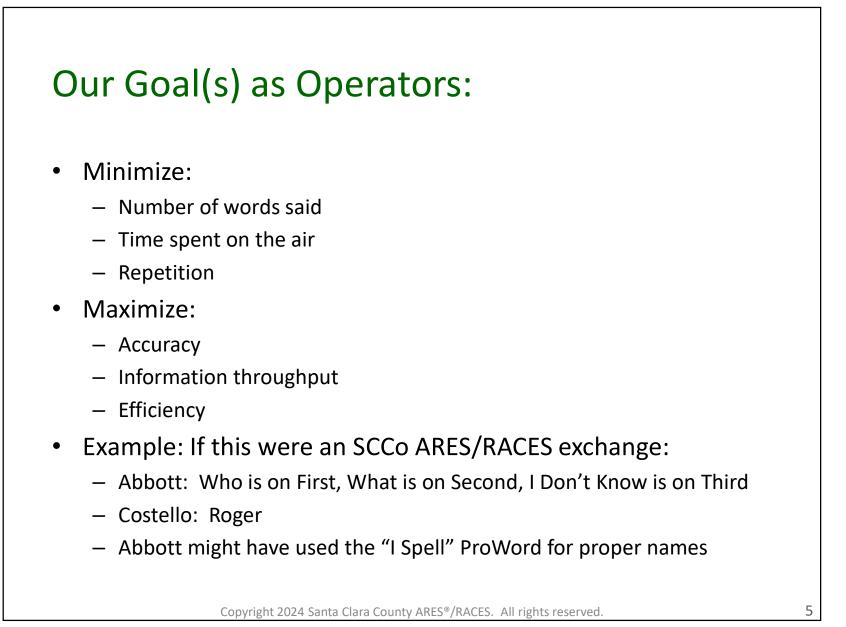
- Introductions
- Pen/pencil & paper
- Cell phones on silent or vibrate
- Side conversations
- Questions
- Refreshments
- Breaks
- Restrooms
- In case of emergency
- No wandering around the building



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3



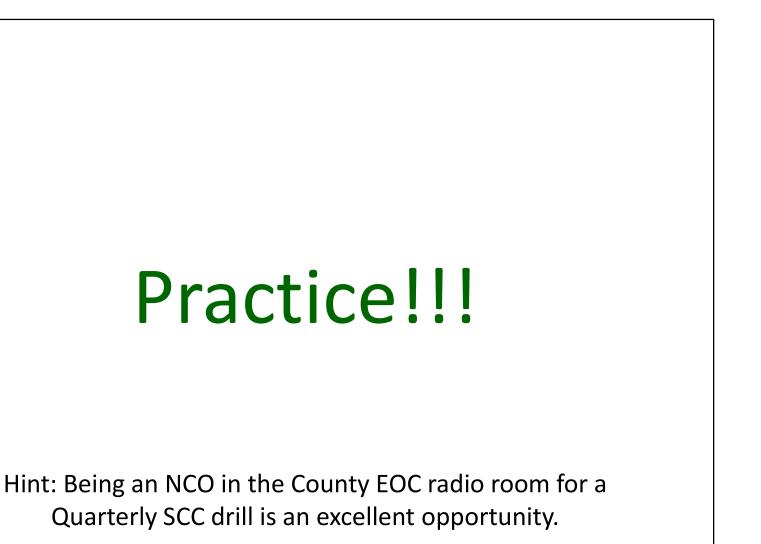




- You need to be a great communicator,
 - com·mu·ni·cate: to transmit information, thought, or feeling so that it is satisfactorily received or understood
- That is able to communicate *precisely*,
 - pre-cise-ly: 1. in a precise manner 2. exactly
- Following a shared, standard procedure, that EVERYONE is trained to use!
- What else?

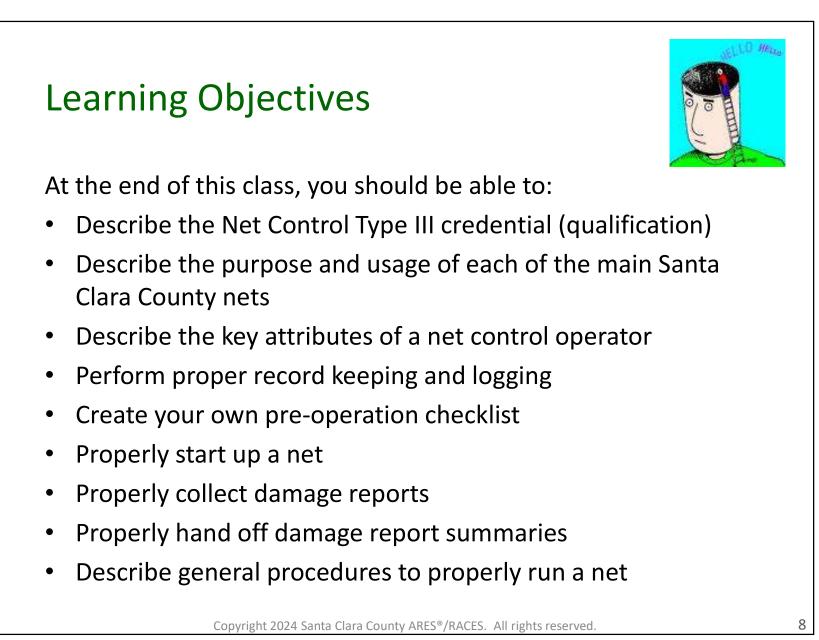
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7





Net Control Type III, Part A

- Net Control III credential
- Santa Clara County Nets
- NCO Attributes and techniques
- Record keeping and logging
- Starting a Net
- Handling damage reports
- Operating a Net

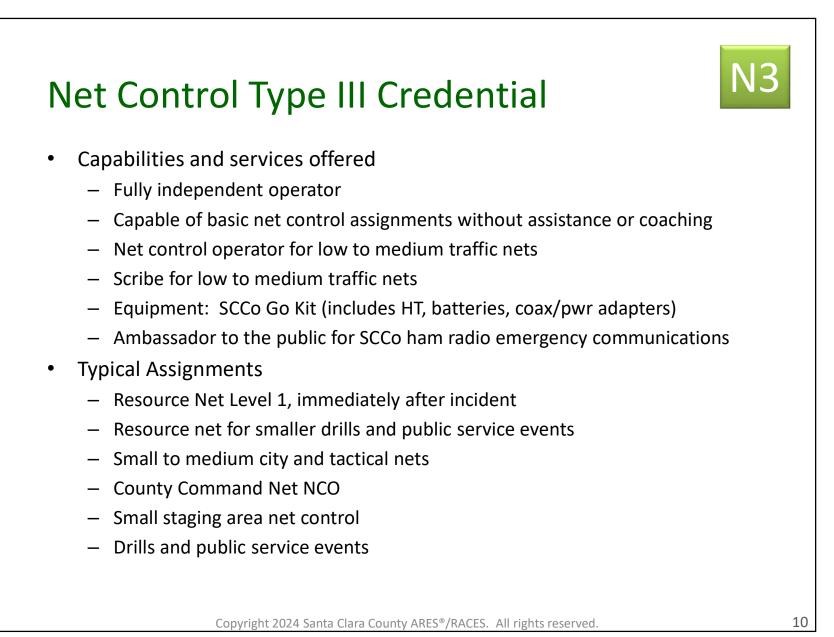
Net Control Type III, Part B

- Dealing with challenges
- Working with a scribe
- Resource Tracking
- Resource Net for an Event
- Handing off a Net
- Closing a Net

Net Control Type II: Advanced techniques, such as faster, higher efficiency operations, equipment for net controls, county Message Net operations, county EOC operations, and working two nets at once

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9



Thank you for working towards a Type III credential!!

- Obtaining any Type III credential (F3, N3, P3, S3) is a nice step
 - You have gone through at least one evaluation consideration process
 - You are an Independent Operator
 - You have demonstrated your capability and performance for the resource type based on SCCo RACES program standards
 - SCCo and you have confidence that you can provide dependable and reliable communication services to a <u>served agency</u> in benefit to the <u>public</u> for real and public service events.

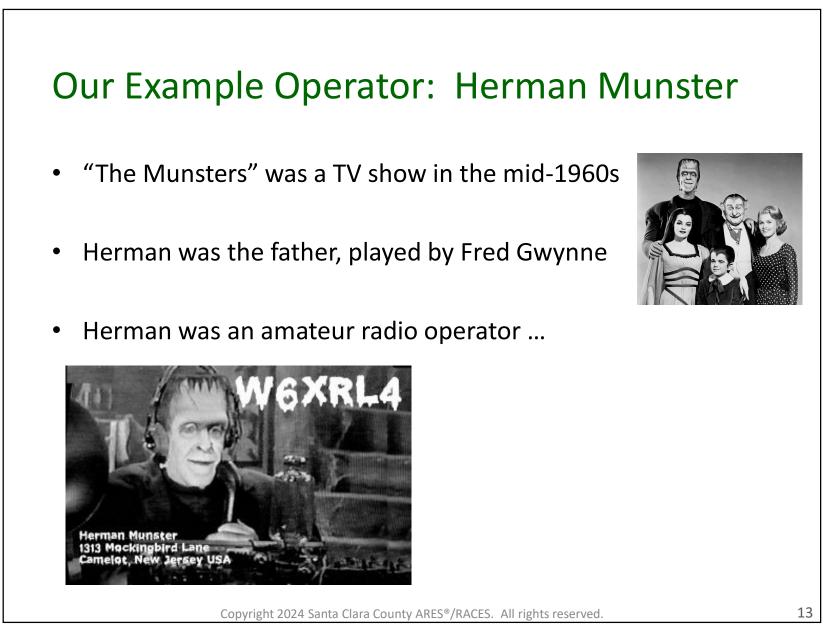
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It doesn't stop with this training or with earning a credential

- Please practice when you can on your own, drills, exercises, practices, etc.
- Please keep your go-kit updated (everything working, batteries charged, etc.)
 - Verify preparation and that everything is working before arriving at your assignment
- You are responsible for staying current with SCCo documentation (frequency lists, docs, training material, forms, etc.) Changes announced on Groups.io *Announce List*
- Keep your profile contact information up-to-date (i.e., phone and email) you must be reachable
- Please print your wallet card before it expires (Jan 31st). Print it again after you obtain any new credential or endorsement
- Consider setting up periodic (e.g., 30-day and/or 90-day) preparation readiness and practice checklists

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12

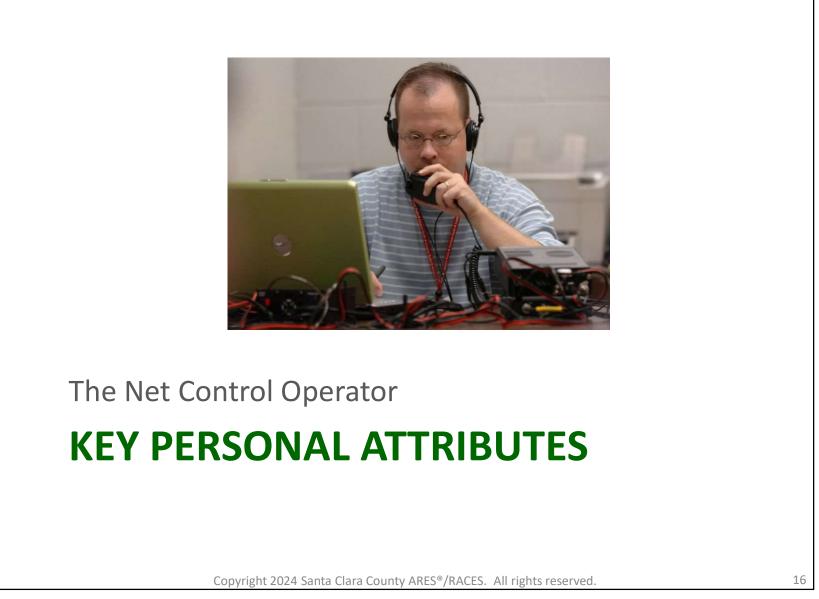


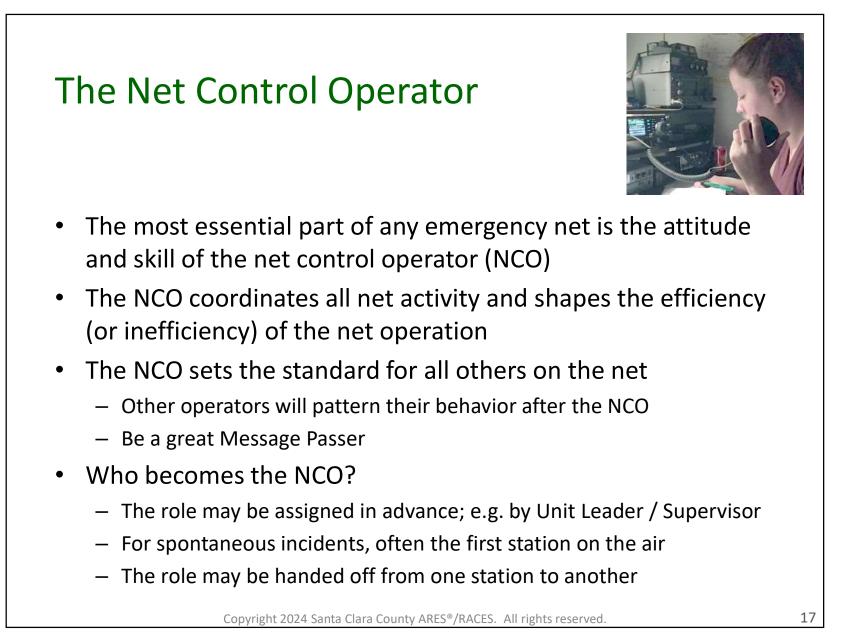
Santa Clara County Voice Net Review

Net Name	Questions about each net
Resource Net Level 1 - Information Gathering	Open or directed?
Resource Net Level 2 - City Check-Ins/referral	When and who starts?
Resource Net Level 3 - Coord of Mutual Aid	How busy expected to be?
Message Net	Operator level expected?
Command Net	Who are the participants?
Hospital Net	Type of message traffic?
EOC-to-EOC Net	
HF Net	
Other voice nets?	
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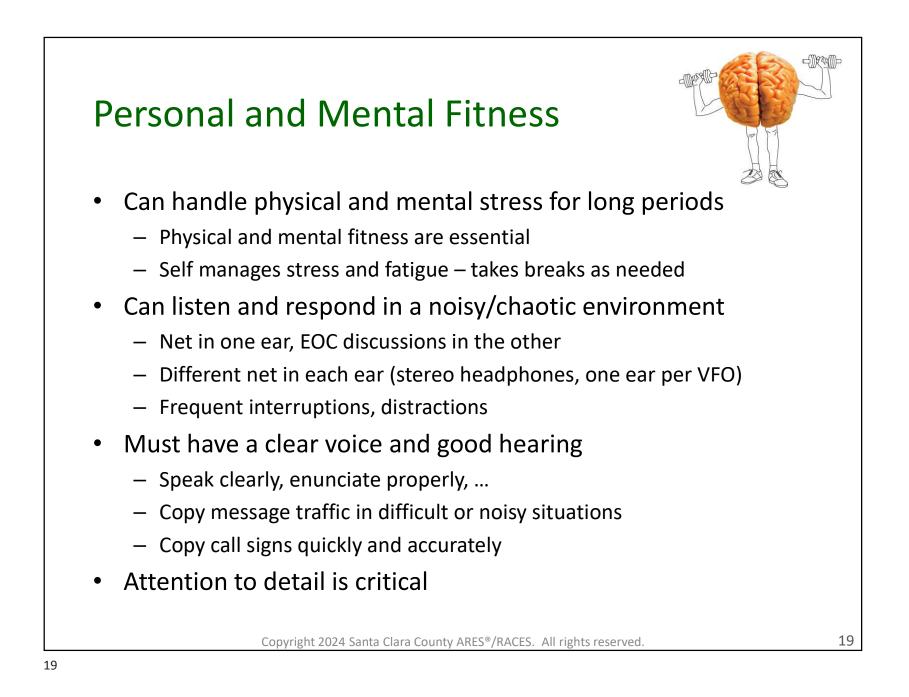
How Are ARES/RACES Nets Different?

Characteristics	Typical Ham Nets	ARES/RACES Nets
Content / Topic	General; whatever we want	Specific; whatever the served agency wants
Order	Round-robin	By message priority
Speak	When it's your turn	Only when necessary
Say	As much as you want	As little as possible
Tone	Friendly (usually!)	Professional
Use	Q-codes: "QSL, QRT, …" "73", "88", … Abbreviations: OM, YL, … DX phonetics: Norway, Mexico	Plain English Pre-defined prowords ITU phonetics Shared procedures.
Speed / length	As long as it takes	As brief / quick as possible
Documentation	None	Everything (check-ins, messages, acknowledgements, check-outs, other)
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Operating Technique: Verbal Communications

- Maintain a clear speaking voice
- Control tone of voice, even under stress
- Have a good command of the English language
- Use plain English, no 10-codes, no Q-codes, etc.
- Know message passing Prowords and procedures by heart
- Know your net before you start
 - Stick to the prepared scripts for the net
 - Stick to the business of the net
- Important: be clear and concise when giving instructions !!!
 - E.g. Mike-Mike report instructions
- During a drill, appropriately identifies "This is drill traffic".
- ID frequently and remind others to do the same

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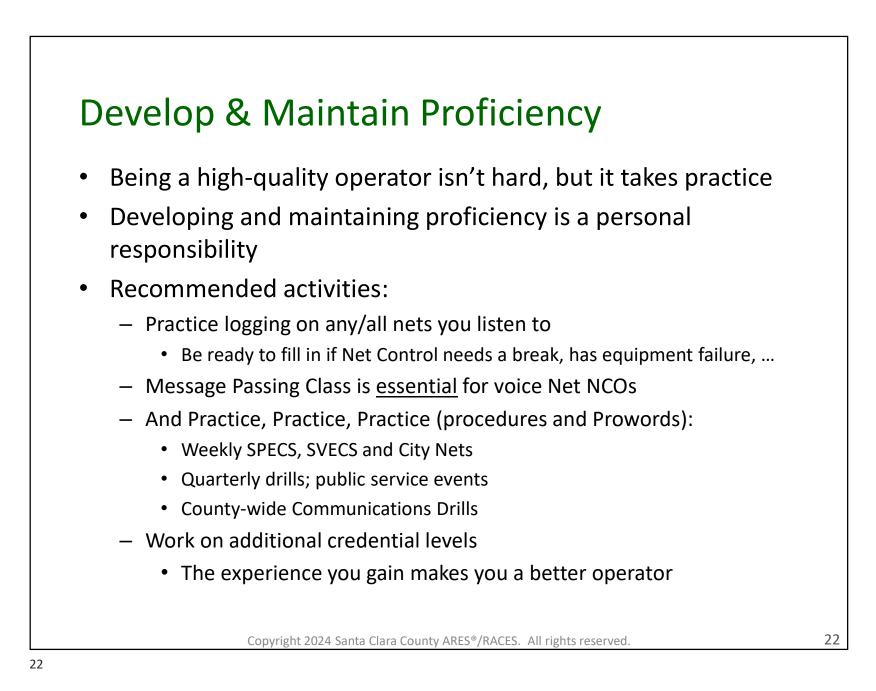
Operating Technique: Radio Technique

- Make only necessary transmissions
- Use procedures and techniques to reduce number of transmissions



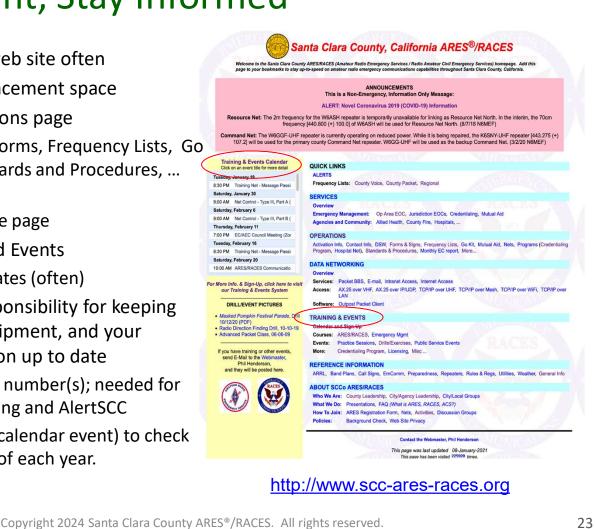
- Press PTT, then <u>pause</u> before speaking; allow repeater to key up
 - If repeaters are linked, leaves longer pause, advises others on pauses
- Use a minimum of words to convey an informal message; proper prowords
 - Be a "FAX machine" for 3rd party messages and forms
- Drop PTT when not speaking; avoid open mic or dead air
- Remind operators to close with their FCC call-sign, as needed
- <u>Train yourself to allow sufficient gaps between transmissions !!!</u>
 - For other stations to break in with other or higher priority traffic
 - For other stations that may have problems reaching the repeater
 - E.g., checking in or out of the resource tracking net
 - For primary users to use the resource

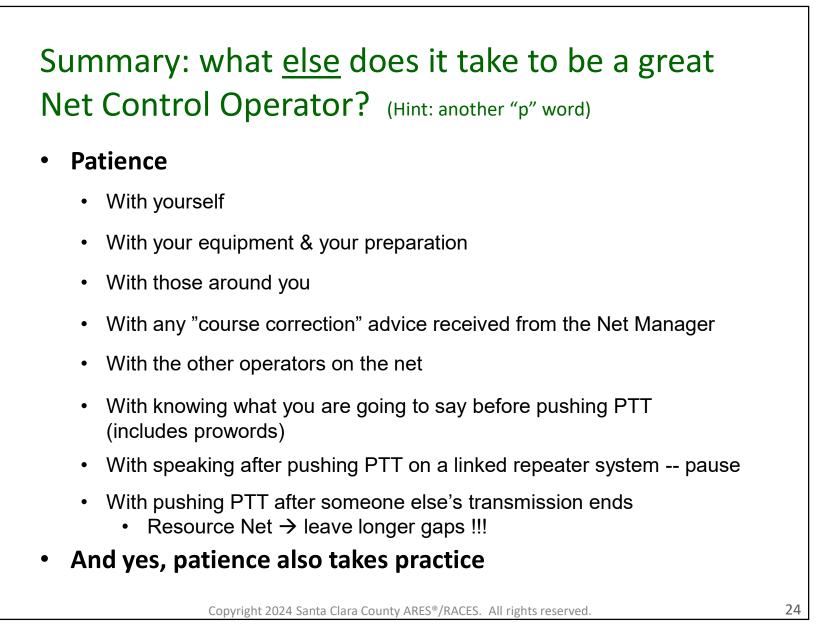
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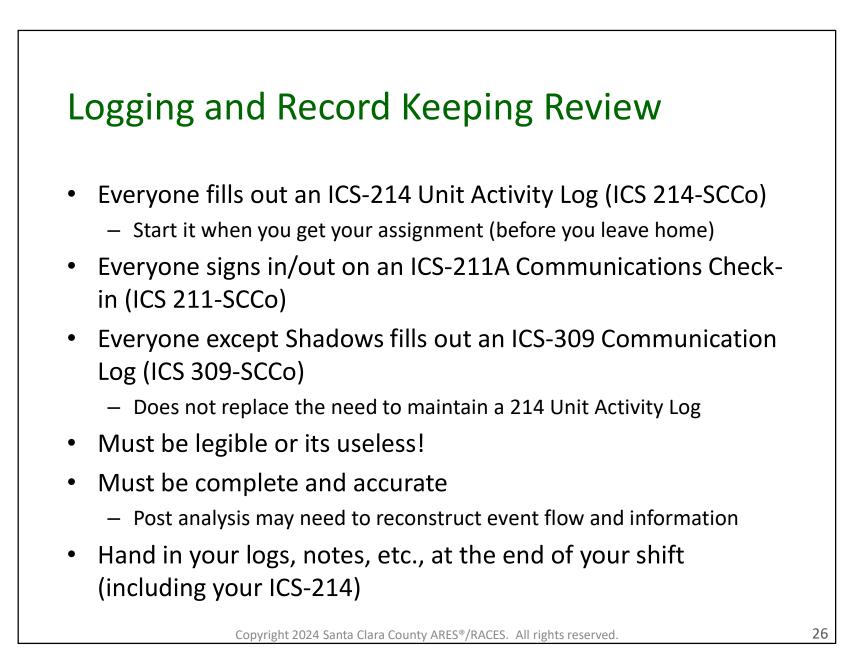
Stay Current, Stay Informed

- Visit the County web site often ٠
- Check the Announcement space ٠
- Check the Operations page
 - Contact Info, Forms, Frequency Lists, Go Kit Lists, Standards and Procedures, ... and more
 - Read the whole page
- **Check Training and Events**
 - Check for updates (often)
- Take personal responsibility for keeping yourself, your equipment, and your Contact Information up to date
 - Current phone number(s); needed for resource tracking and AlertSCC
 - Make a habit (calendar event) to check the beginning of each year.









ICS-214 – Unit Activity Log Review

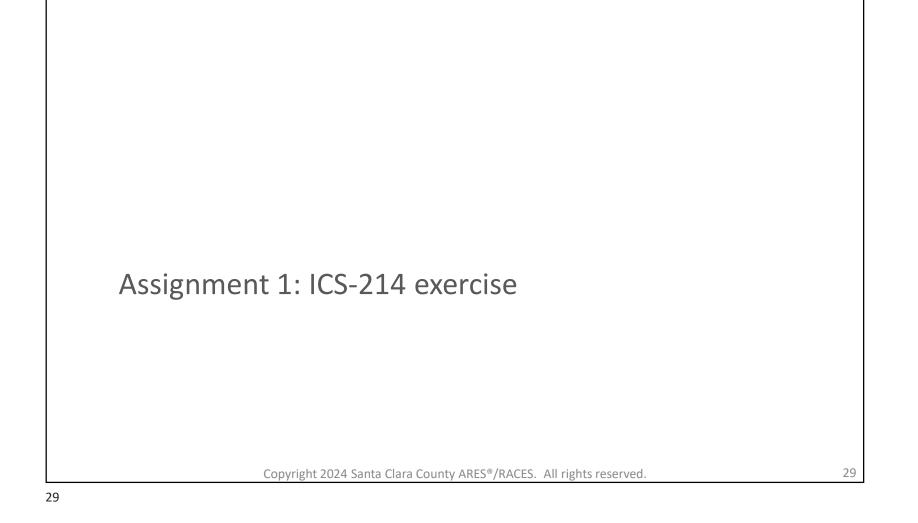
- Our version: ICS 214-SCCo
- A record of all major activities and events
- EVERYONE fills out a 214
 - Individuals: a unit of one
 - Teams: Team leader
 - Start when you get assignment (home)
- Shadows only: log message traffic on the 214, no 309 required.
- Use multiple pages if necessary
- Instructions on back
 - Recommendation: print two-sided.
- Reminder: signature required
- Self-paced video: <u>scc-ares-races.org/training</u>

ICS 214-S	CCo		and Act	vation Number		Operational Per	To	:
. Unit Name /	Tactica	al Call / Desig	nators		4. Unit Lead	er (Name, Call Si	gn, ICS Position	1)
i.				Personnel	Roster As	signed		
	Na	ame		Call Sign	IC	S Position		Home Base/City
			-				_	
			-				-	
							_	
i.				AC		G		
Time (24:00)		N	lajor Activitie	s & Events / Oc	casional Mes	sages (indicate E	rom / To / Msgi	# / Msg Text)
	-							
	-							
	-							
				-	-			
Prepared P	(Name	Call Sign W	S Position	7A Signature		8 Date & Tim	e Prenared	9
Prepared By	y (Name	, Call Sign, K	CS Position)	7A. Signature		8. Date & Tim	e Prepared	9. Page of
. Prepared By	y (Name	n, Call Sign, IC	CS <u>Position)</u>	7A. Signature		8. Date & Tim	e Prepared	9. Page of
200								

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27

Homework Assignments Review **NET CONTROL TYPE III** 29



From: 0900 To eader (Name, Call Sign, ICS Position	: 1200				
Name, Your FCC Call S	ign				
Assigned					
ICS Position	Home Base/City				
LOG					
Messages (indicate From / To / Msg	# / Msg Text)				
Departed for Class. SR101 and 85, ODO XXX					
Arrived at 700 All America Way, Sunnyvale, ODO XXX					
Class started					
8. Date & Time Prepared	9.				
	Y LOG I Messages (indicate From / To / Msg XXX e, ODO XXX				

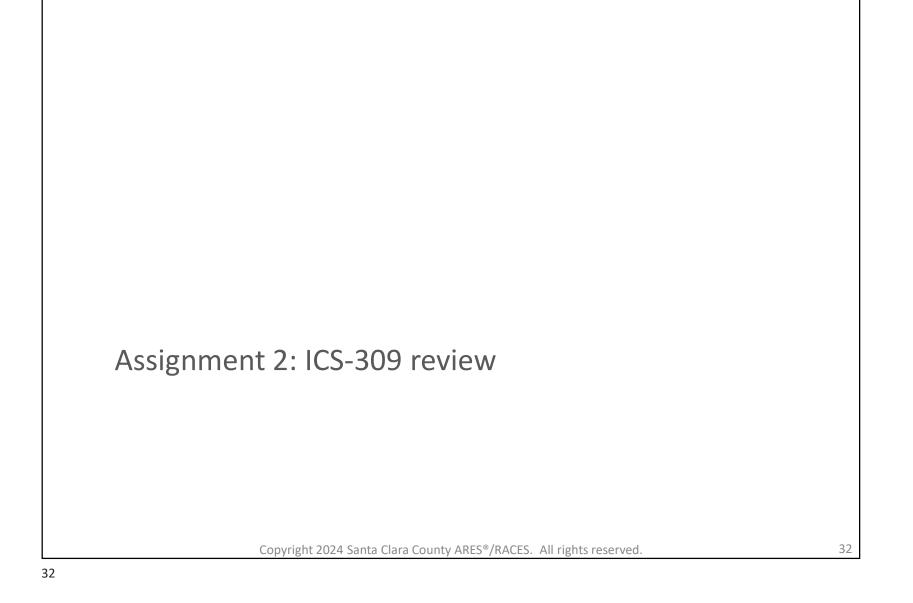
ICS-309 – Communications Log

- Our version: ICS 309-SCCo
- Net Control Operators and all stations (except shadows)
- Columns help organize key message tracking info
- Does not replace 214
 - EVERYONE fills out a 214
- Instructions on back
- Reminder: signature required
- 2-part self paced video at: <u>scc-ares-races.org/training</u>

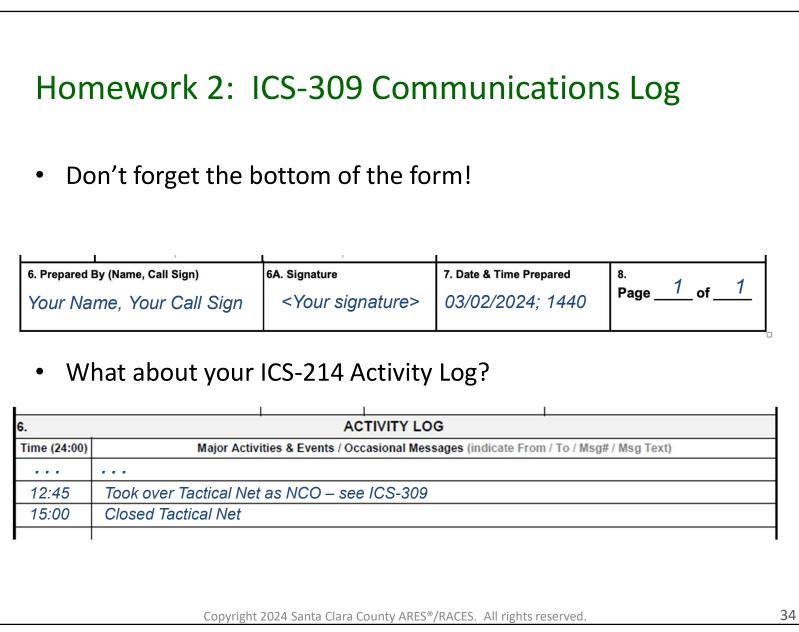
ARES/RACES 3. Radio Net Name (for NCOs) or Position/Tactical Call					From: To: 4. Radio Operator (Name, Call Sign)			
5.			COMMUNICATIONS LOG					
	FROM TO							
Time (24:00)	Call Sign/ID	Msg #	Call Sign/ID	Msg	# !	Message		
		1						
		1						
		1						
	-	1			-			
					-			
		-						
. Prepared	By (Name, Call	Sign)	6A. Signature			. Date & Time Prepare	d 8. Page of _	

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31



Но	mewo	ork 2:	ICS-3	09 C	ommunications Log		
COMN ICS 309- ARES/R	-SCCo		ne and Activatio Class Exer 1TC		2. Operational Period (Date/Time) 03/02/2024 03/02/2024 From: 12:30 To: 15:00		
3. Radio Net	Radio Net Name (for NCOs) or Position/Tactical Call				4. Radio Operator (Name, Call Sign)		
Xana	Xanadu Tactical Net				Your name, your FCC call sign		
5.		SLOG					
Time	FROM TO)				
(24:00)	Call Sign/ID	Msg #	Call Sign/ID	Msg #	Message		
12:45					Shift Change		
					Net Control = Your Name, <your call="" sign=""></your>		
					Scribe = Herman Munster, W6XLR4		
12:55	Shelter 1	S1-113	EOC	XND-206	Bed count		
13:10	KJ6HAM				check-in – assigned tactical = Shelter 2		
13:20	KB6HAM				check-in – assigned tactical = Shelter 3		
13:50	EOC	XND-207	Shelter 3	S3-2004	Inventory checklist		
14:05	Shelter 2	S2-121	EOC	XND-208			
14:30		XND-209	All Shelters	S	Exercise complete Confirmation #s follow		
14:31		"	Shelter 1	S1-122			
14:32		"	Shelter 2	S2-114			
14:33		"	Shelter 3	S3-2005			
15:00					Net closed		

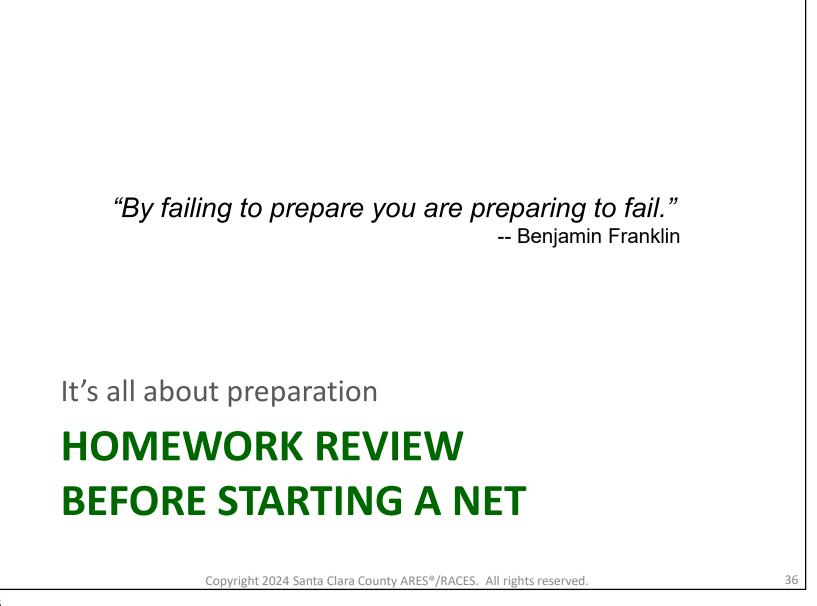


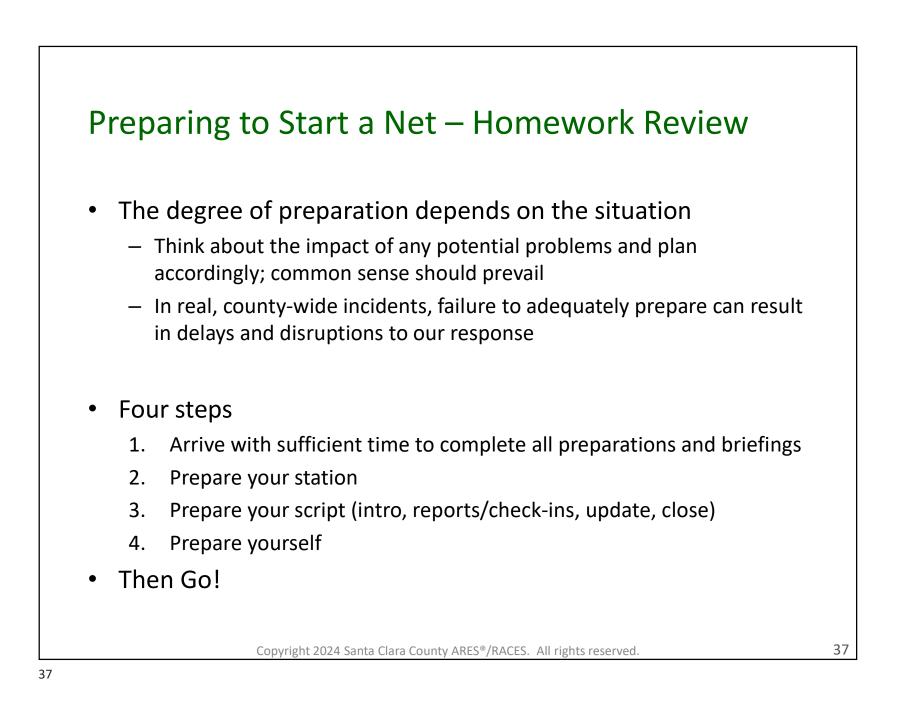
Other Forms Review

- Message Net
 - ICS 213-SCCo Message Form
 - SCCo OA Jurisdiction Status
 - SCCo OA Shelter Status
 - SCCo EOC-213RR Resource Request Form
 - Allied Health Facility Status
 - RACES Mutual Aid Request
 - Non-standard forms
- Hospital Net
 - Several form types
- Whatever the form:
 - Proceed in an orderly sequence; follow or create field numbers
 - 5 groups at a time
 - Standard phonetics, numbers, prowords
- Where to review what forms are available:
 - <u>https://www.scc-ares-races.org/operations.shtml</u>

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35



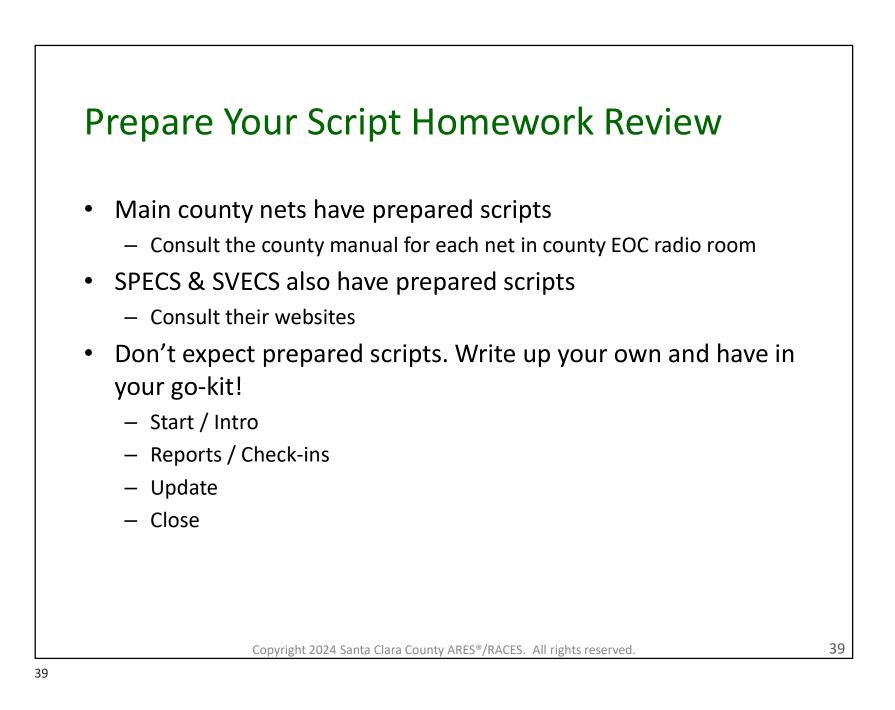


Prepare Your Station Homework Review

- Prepare your work-space. Be NEAT!!!
 - Pen (blue or black ink) and paper
 - Visible clock (24-hour clock is convenient)
 - Frequency lists, contact numbers/info
 - Forms (Form 1, phone message, ICS 214, ICS 309, ICS 213, ...)
 - Maps (Google Maps "Offline maps", maps.me, etc.)
 Note: must be able to navigate "off-Internet" or in Airplane mode.
 - Water/liquids for drinking
 - Place regularly accessed items within easy reach
- Prepare your radio & know how to use it
 - Oriented in a comfortable position
 - Check programmed memories
 - Check all connections, settings especially for shared stations
 - Skim the manual or cheat sheet and keep it handy
 - Perform a radio check

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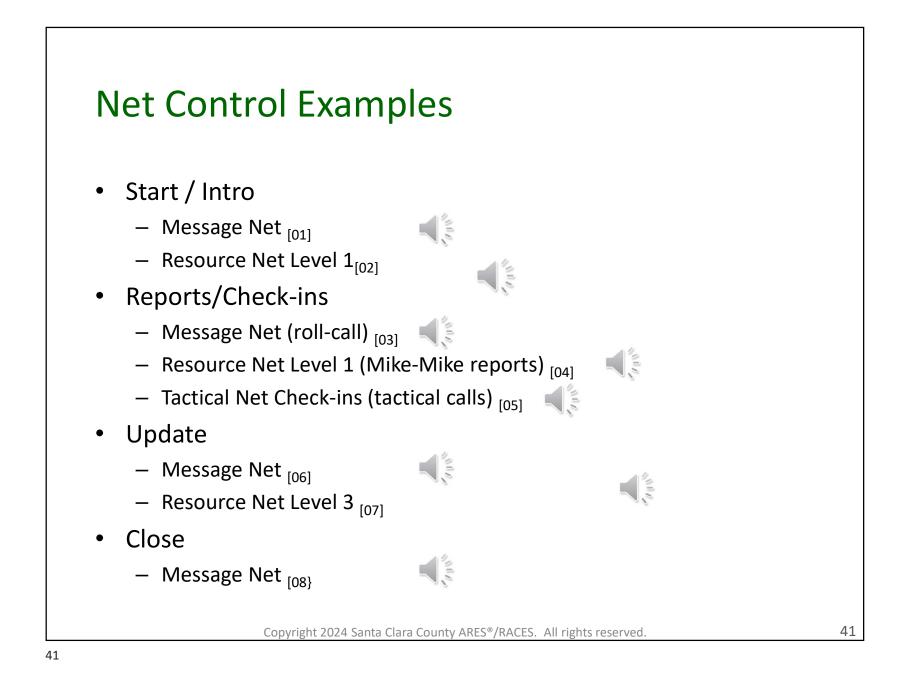


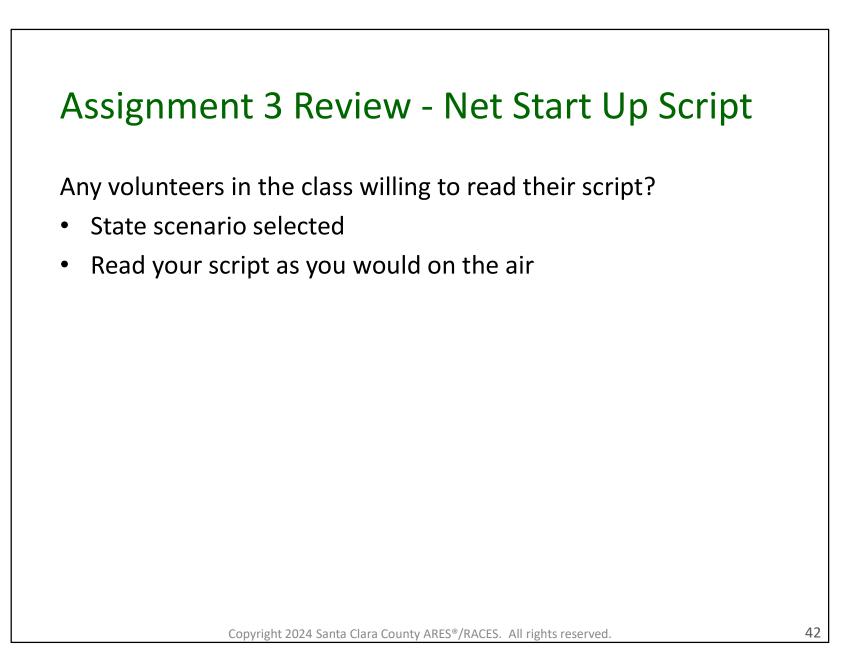


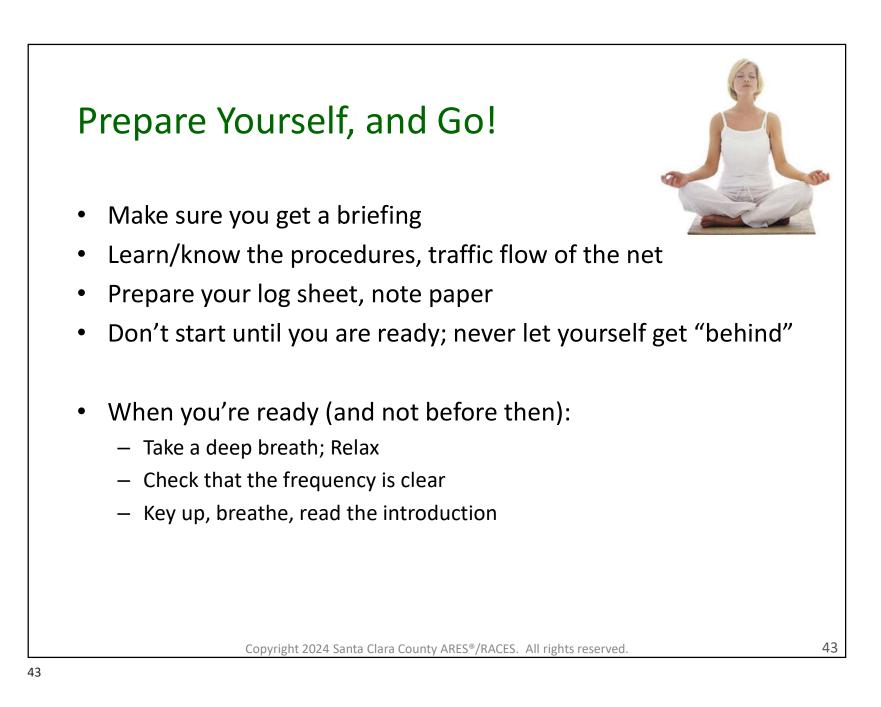
Basic Templates for Net Control Scripts Homework Review

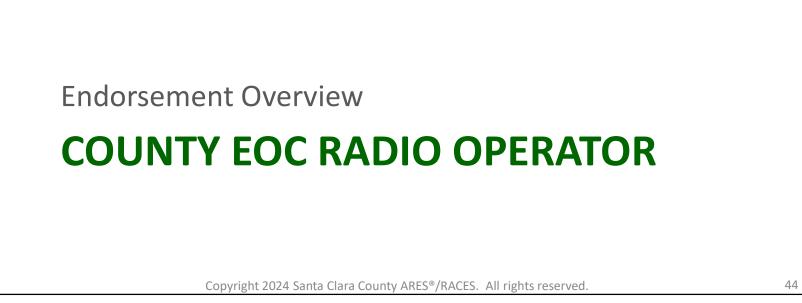
- Start / Intro
 - Check for a clear frequency
 - Identify yourself, including the tactical call sign of net control
 - Identify the purpose of the net, and whether it will be operated as open or directed
 - State whether or not you have the ability to dispatch resources.
 - State what to do if immediate help is needed (e.g., call 911 or city tactical)
 - Ask if there is any emergency traffic
 - Ask if there is any traffic for net control
- Reports/Check-ins
 - Describe how people should make reports or check-in
 - May include when to use Tactical and FCC call signs
- Update
 - NCO must remember to ID with FCC call sign every 10 minutes
 - Purpose of net and operating mode (directed/open) as appropriate
- Close
 - Thank owners and operators of repeater(s) (if used)
 - Announce that the repeater/frequency is returned to normal use

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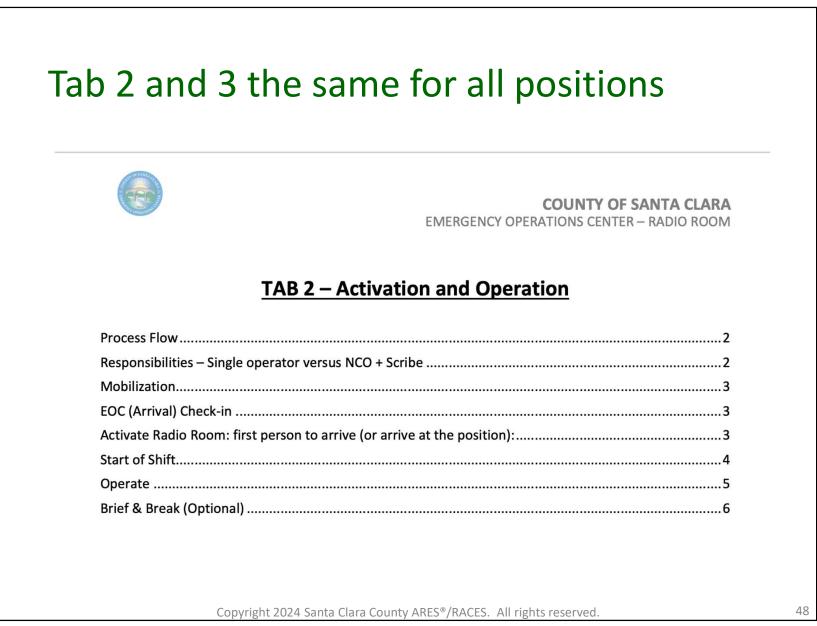
- Goal: create a team of experienced (and credentialed) Net Control Operators that have a deeper understanding of the county EOC Radio Room
 - Radio Room Position Binder contents
 - Primary and ALT Radio Room Layout: positions, equipment, forms, etc.
 - EOC activation procedures
- Course description: <u>SCCo Radio Room Orientation training</u>
 - Perquisites:
 - <u>Net Control Type III or Packet Operator Type III Credential</u>
 - <u>Mutual Aid Communicator Endorsement</u>
 - Registered as a County DSW
- Prerequisite training courses
 - SCCo EOC Orientation (County OEM video training)
 - ICS-800: Intro to National Response Framework

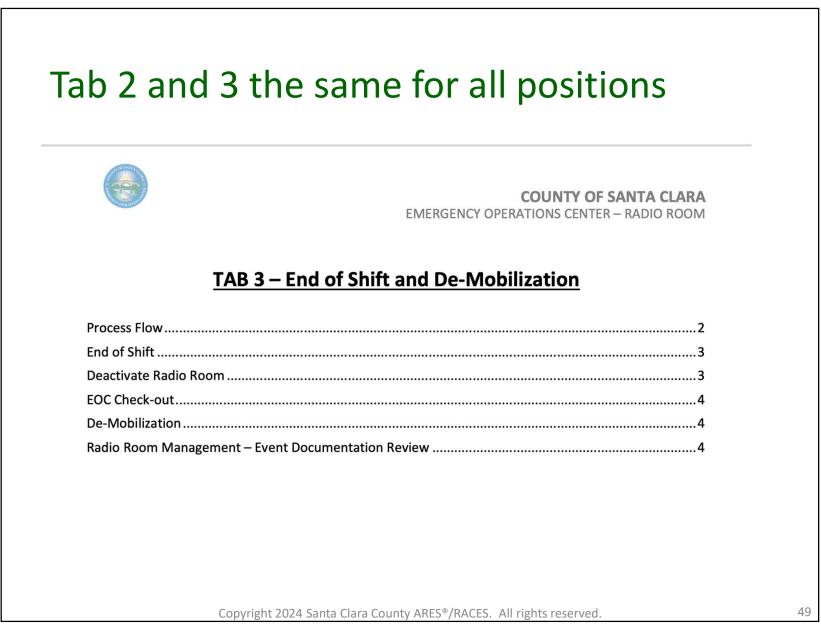
SCCo RAC	ES Endorsen	nent Reco	ord County EOC Radio Operato
Name:			Call Sign: Jurisdiction:
requirements		redentialing	ng to the Performance Standards. For specifics of each of these Program Handbook. Endorsement Requirements
Date	Call Sign	Initials	Endorsement Requirements
All activities requirement Pro			Credentials
			SCCo RACES Type III Net Control (N3) or Packet Operator (P3)
			Endorsements
			SCCo RACES Mutual Aid Communicator (MAC)
			Administrative
			Recommendation from SCCo RACES Chief Radio Officer
			Registered as County Disaster Service Worker (DSW) Training
			Santa Clara County ARES/RACES Training
			SCCo EOC Radio Room Orientation
			Emergency Management Training
			SCCo EOC Orientation (County OEM)
			IS-800: Intro to National Response Framework
			IS-800: Intro to National Response Framework Mentored Experience at County EOC Radio Room
			Mentored Experience at County EOC Radio Room

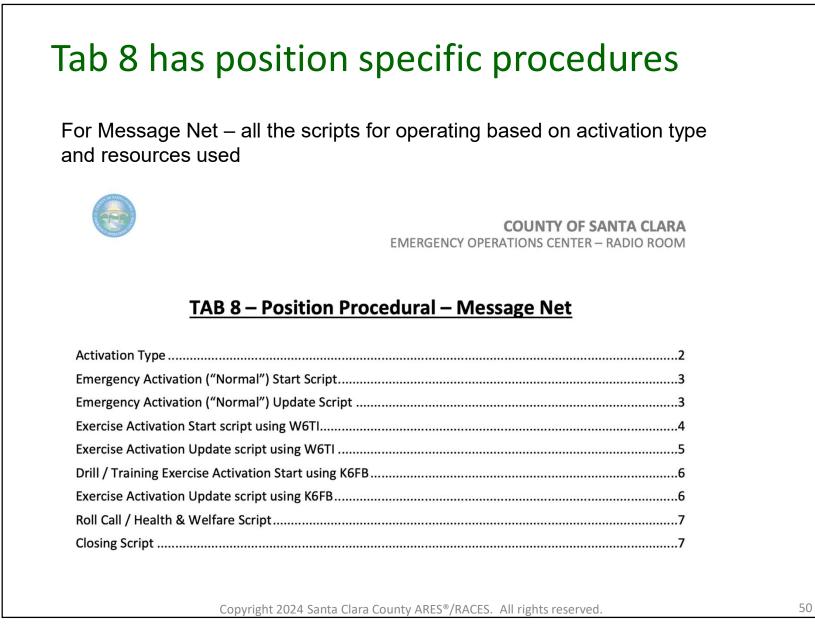
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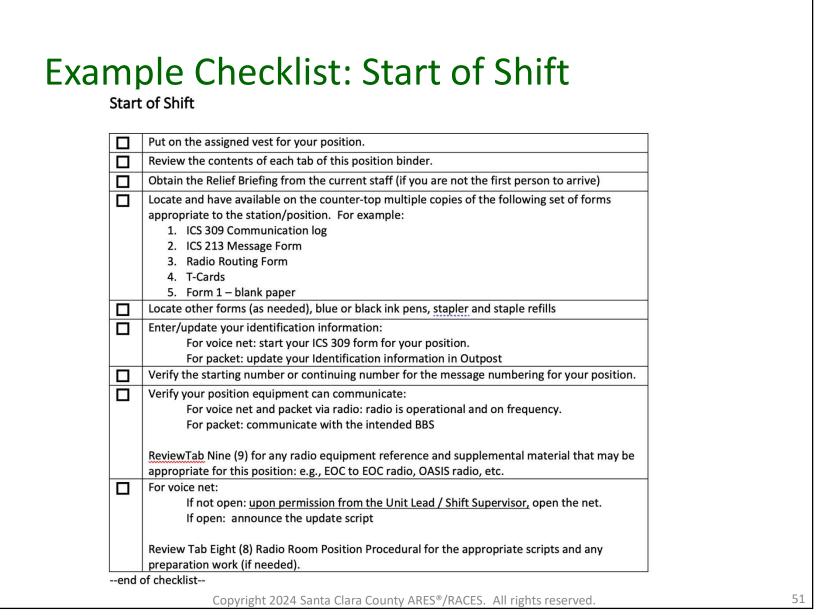
County EOC Radio Room Position Binder Overview INTRODUCING CHECKLISTS

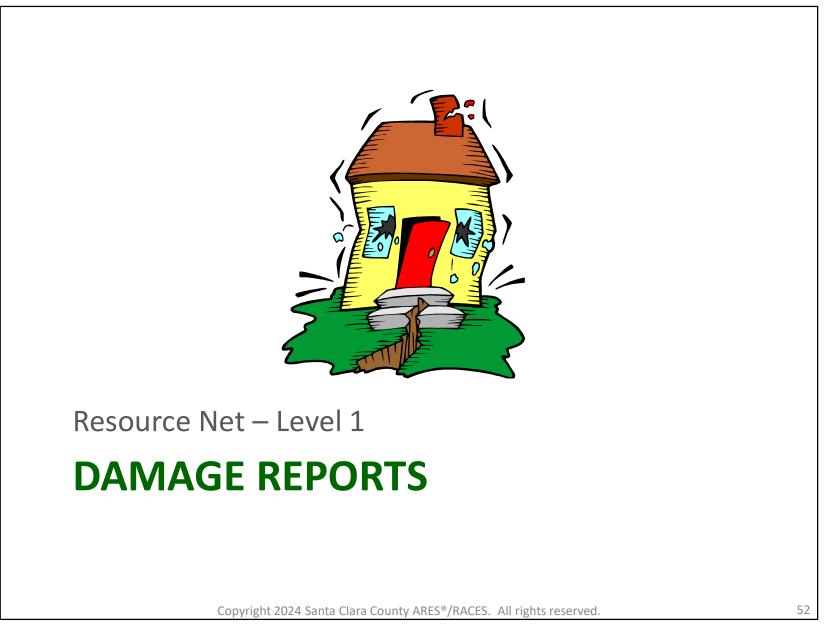
47











Self Alerting Incident

- You feel an earthquake, flooding or a fire ...
- What do you do first?
 - Ensure your personal safety
 - Ensure the safety of your family
- Follow your city's procedures for the type of event
- When able: tune to Resource Net (146.115 + 100.0 Hz):
 - If you can't reach this repeater, use either the North or South repeater
 - Be aware that the Resource Net repeaters may not be fully linked at the start
 - Note: individual cities may first gather initial reports on city tactical frequencies and then report totals to Resource Net.
- Prepare your station, your script and yourself
- Check for an active net
 - "This is ______ calling from {city, County EOC, etc.}; is there an active net on this repeater at this time?"
- If a net doesn't exist, start one!

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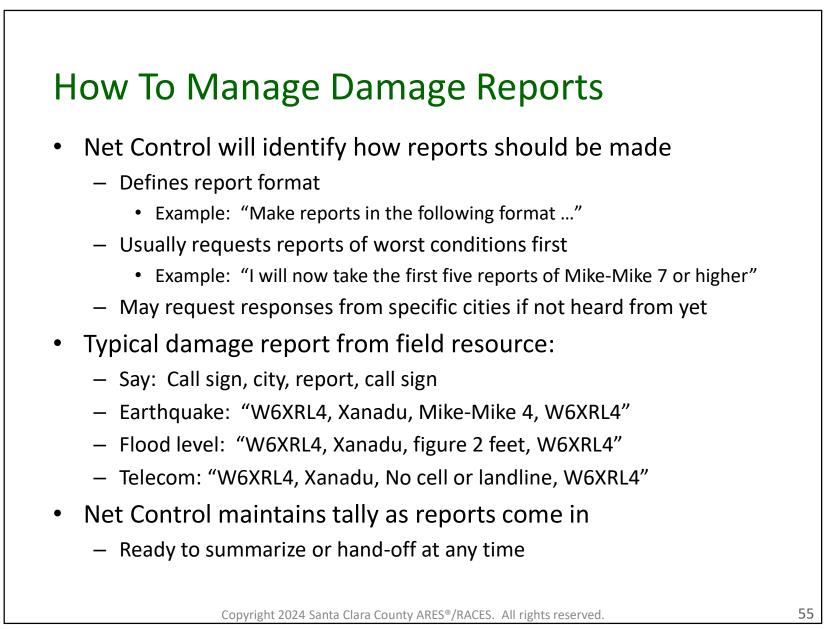
- Resource Net Level 1 = information gathering
 - ... from our resources (i.e., you!)
- Purpose:
 - Gather preliminary summary of conditions across the county
 - Provide information to the county Office of Emergency Management (OEM)
 - A key Net Control duty will be summarizing the info in a useful format

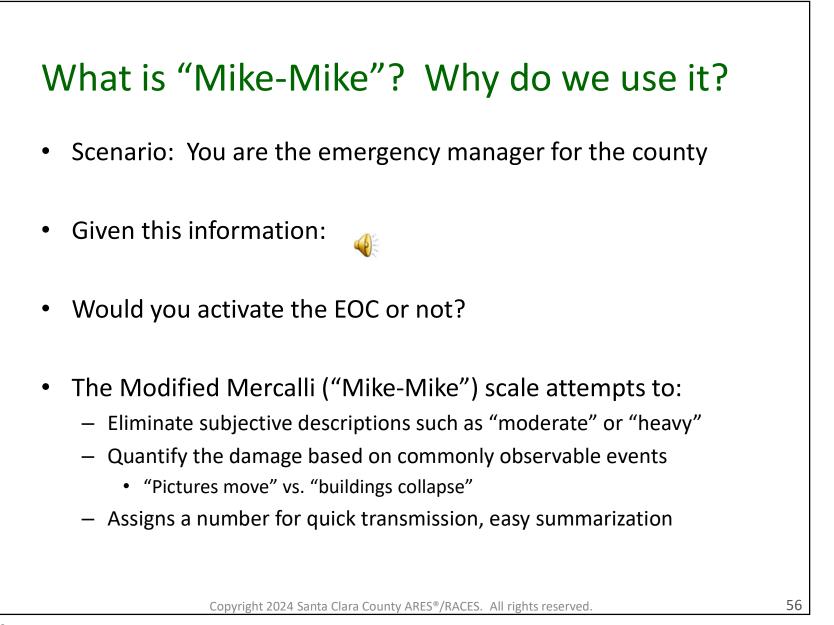
• Methods:

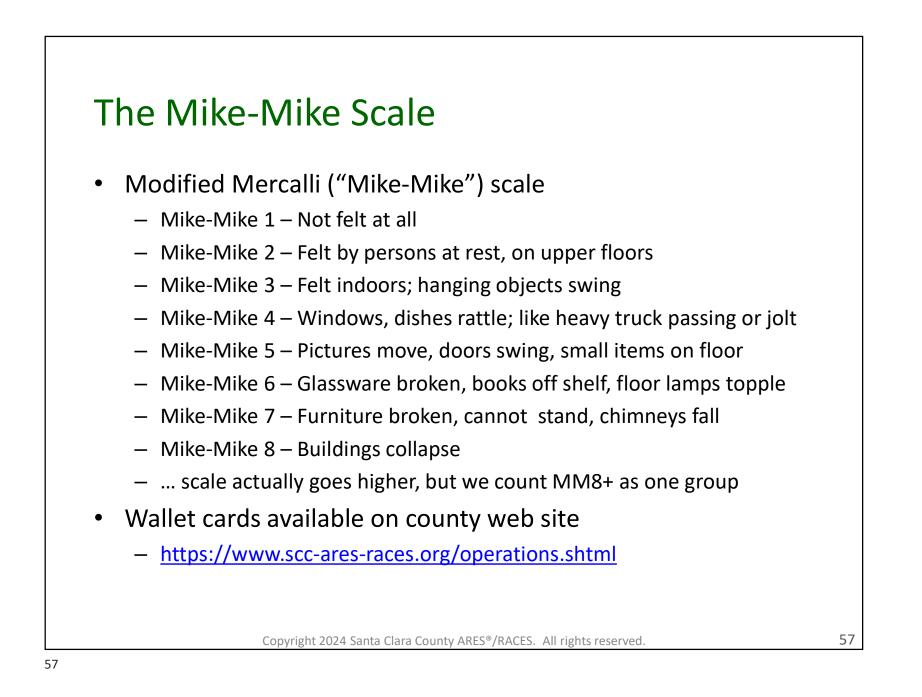
- Earthquake damage: "Mike-Mike" reports
- Flood level: water height reports
- Telephone outage: dial tone/no dial tone
- ...
- Note: Damage reports are not check-ins
 - No one expects those making the report to stay on the net

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54





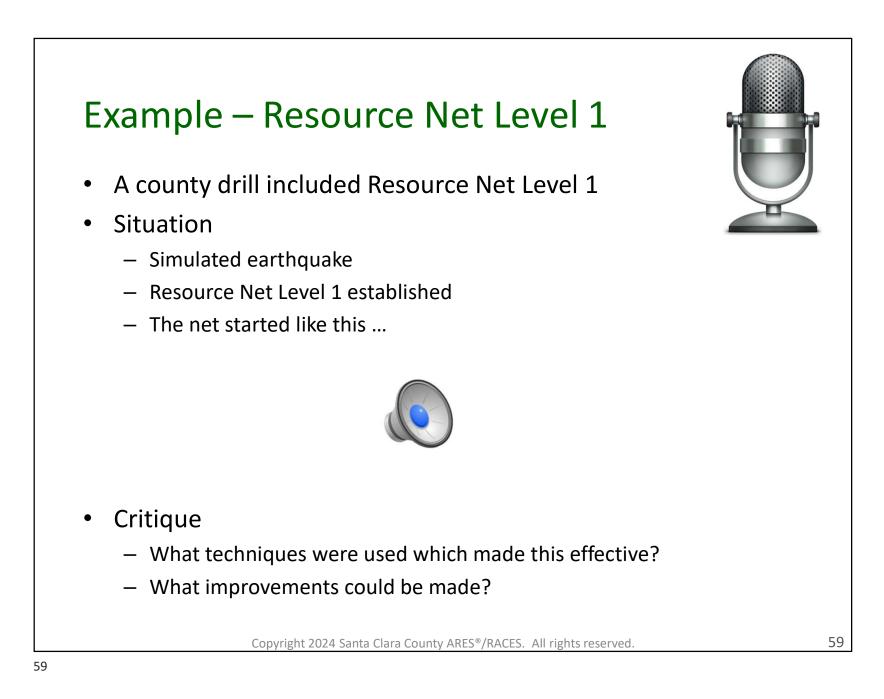


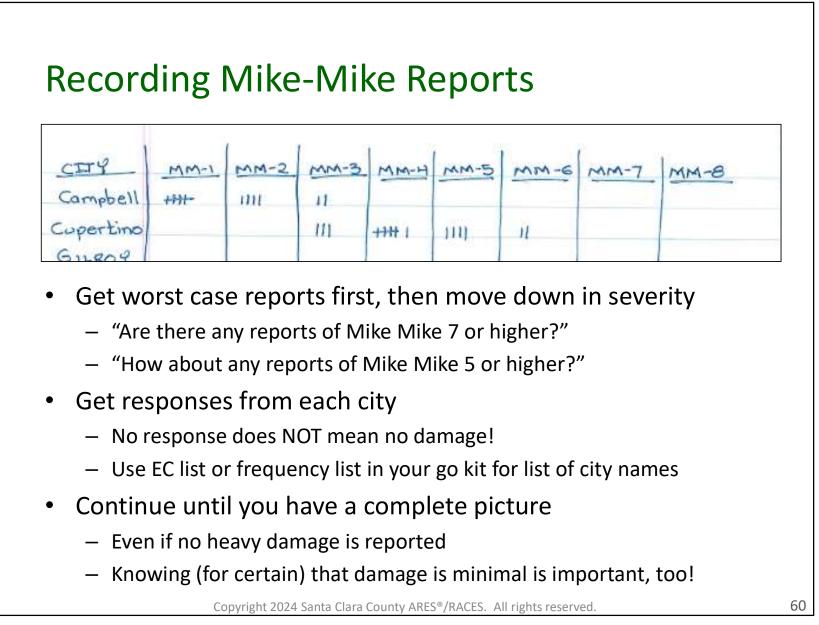
Self-Alerting Incident – Earthquake Example Opening Script

- "This is <call sign>, Resource Net Control. This net is intended to gather brief damage reports from around the county, I am <u>NOT</u> able to dispatch help for acute situations. If you need immediate help, use 9-1-1 to contact your local emergency response center or try to raise someone on your city tactical frequency.
- "Is there any emergency or priority traffic?
- "I will take reports first by call sign only, five at a time, by severity, using the Mike-Mike scale. When I call you, respond again with your call sign, city, Mike-Mike number, and call sign."
- "I will now take the first five call signs <u>only</u> with Mike-Mike 7 or higher."

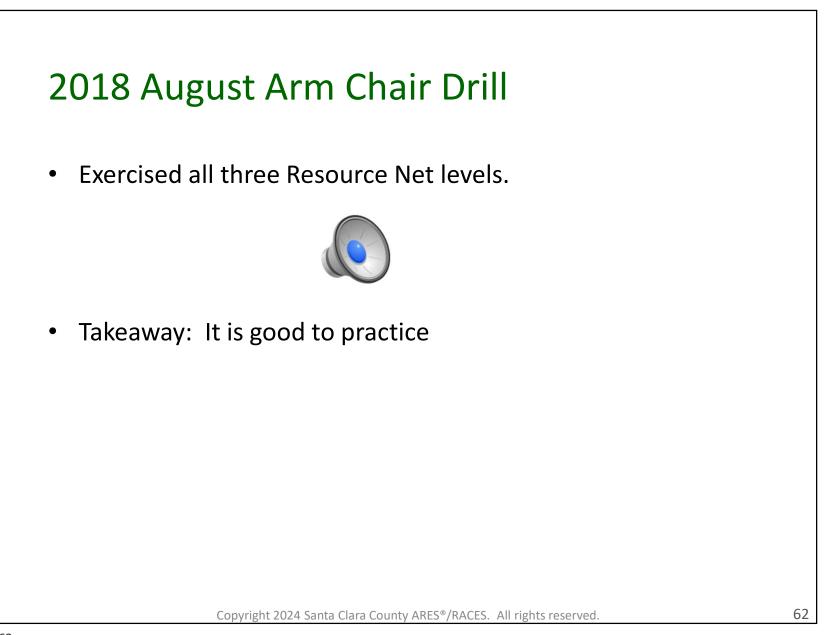
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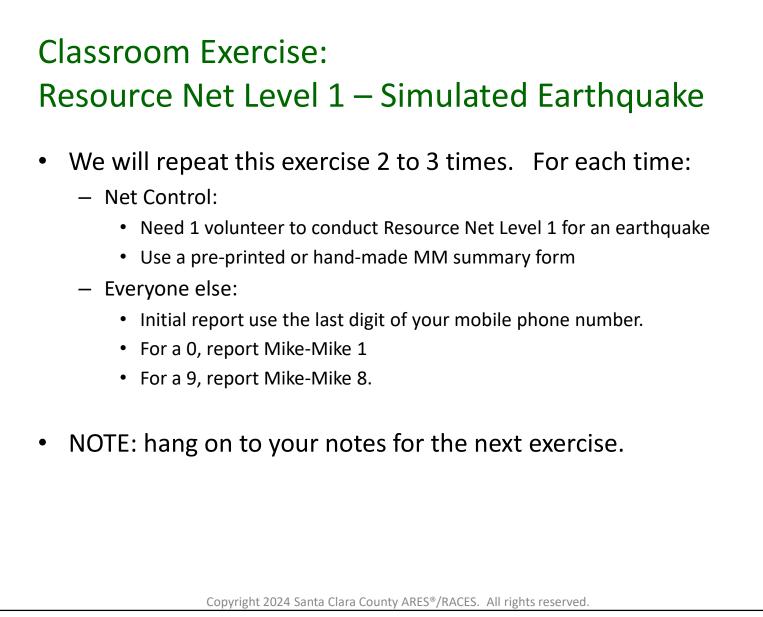
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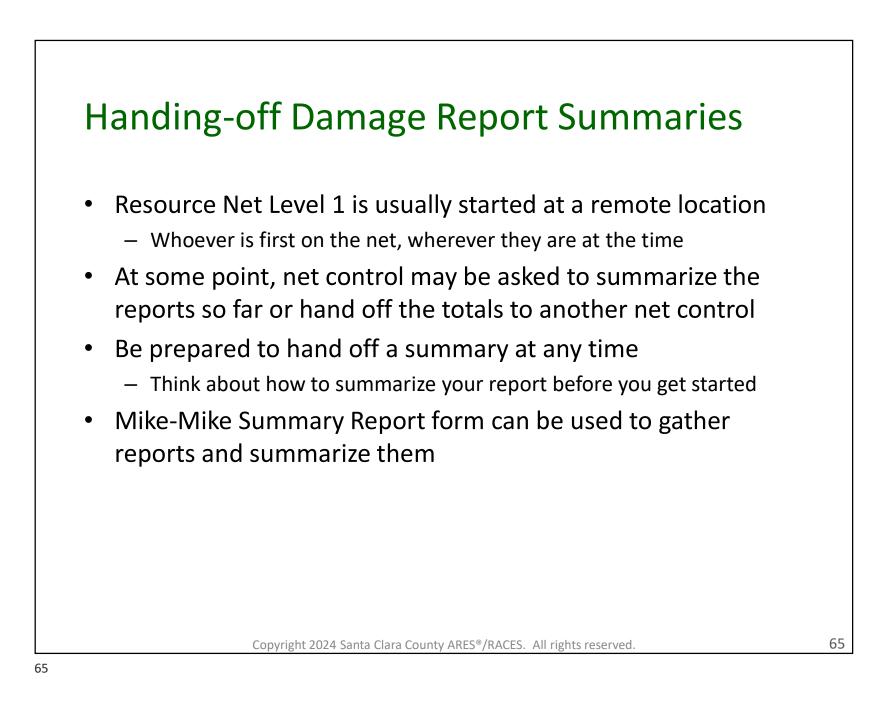
SCCo ARES/RA Mike-Mike Sum							2. Incident Date / Time:								
3. City	4. Mike-Mike Tally (use tick/tall								5.	5. Reporting Totals (numerical)					
	MM-1	MM-2	MM-3	MM-4	MM-5	MM-6	MM-7	MM-8	MM1-3	MM4	MM5	MM6	MM7	MM8	
Campbell															
Cupertino															
Gilroy															
Loma Prieta															
Los Altos															
Los Altos Hills															
Los Gatos															
Milpitas															
Monte Sereno															
Morgan Hill															
Mountain View															
NASA/Ames															
Palo Alto															
San Jose															
Santa Clara															
Saratoga															
Stanford Univ			v.		1										
Sunnyvale															
Other:															
6. Prepared by (Nam	e, Call Sign)	1				7. Date	& Time Prepar	ed					Page 1	of 1	



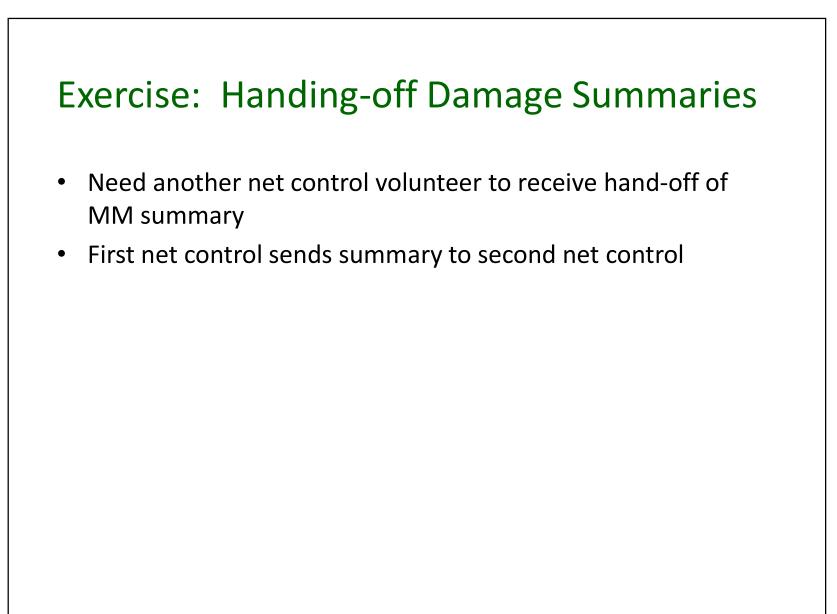


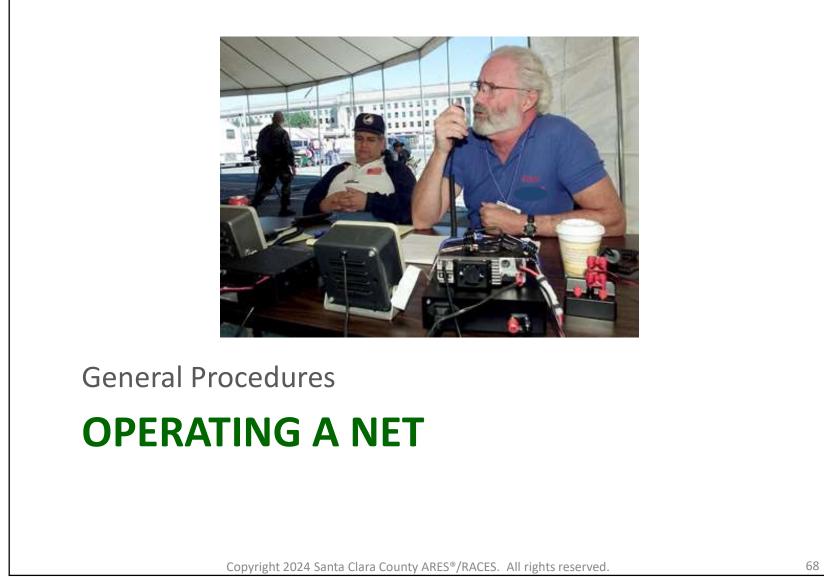






Han	ding off Damage Report Summaries	
Instru	stions for transmitting the summary data are on the back	
Instru	ctions for transmitting the summary data are on the back	
Instructions for	transmitting the summary data on this form to another operator:	
Position Sender	Script I have Mike-Mike Summary data to transmit. Say when ready to copy.	
Receiver	Go Ahead	
Sender	Incident Name Date Time	
Receiver	Go Ahead	
Sender	Campbell figures <mm1-3 total=""> figures <mm4 total=""> figures <mm5 total=""> figures <mm6 total=""> figures <mm7 total=""> figures <mm8 total=""></mm8></mm7></mm6></mm5></mm4></mm1-3>	
Receiver	Go Ahead	
Sender Receiver	Cupertino figures <mm1-3 total=""> figures <mm4 total=""> figures <mm5 total=""> figures <mm6 total=""> figures <mm7 total=""> figures <mm8 total=""> Go Ahead</mm8></mm7></mm6></mm5></mm4></mm1-3>	
and so on Sender	End of summary	
Receiver	Mike-Mike Summary Acknowledged	
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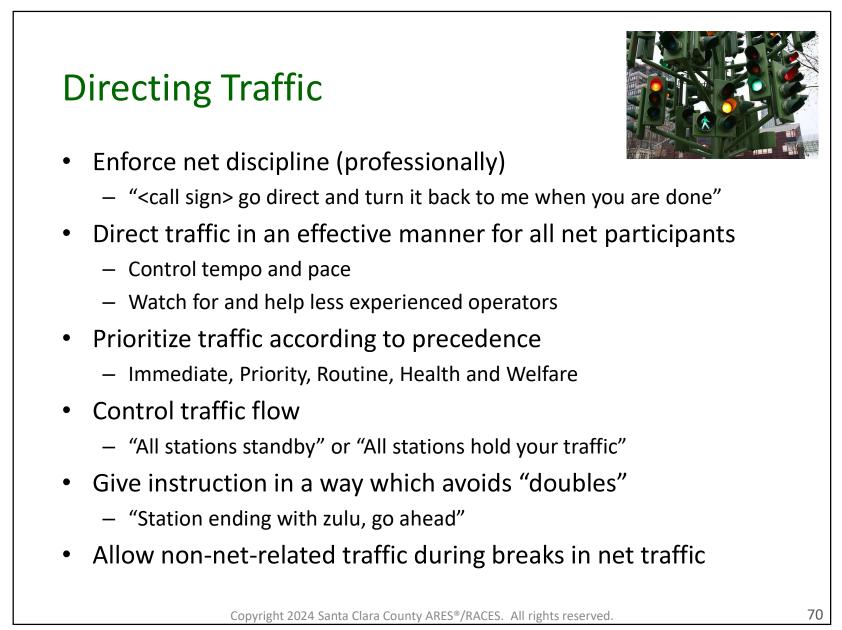
Handling Check-Ins

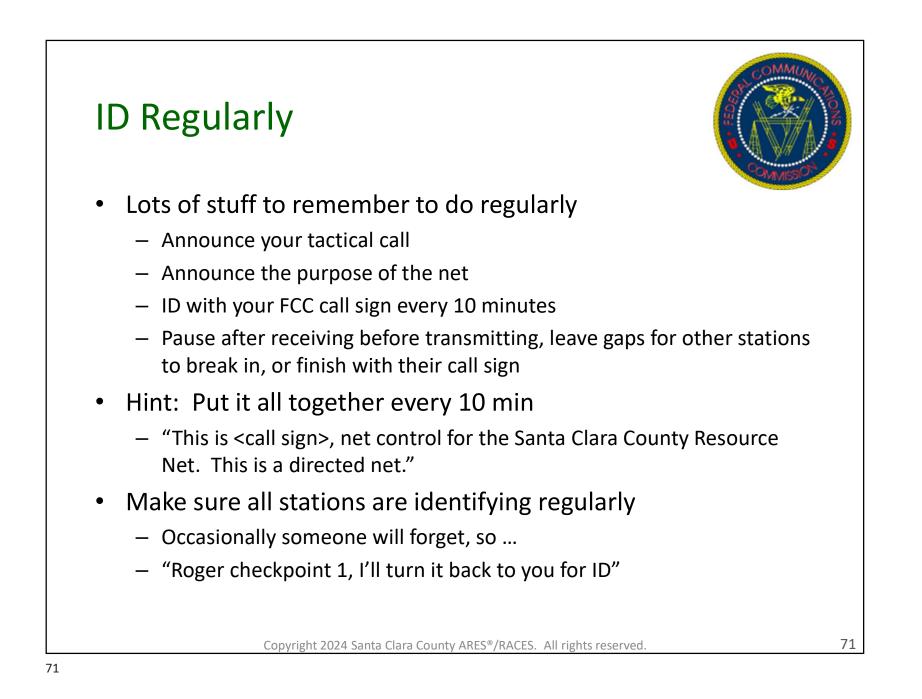


- Identifies those that will be joining and staying on the net
- Anyone who checks in is expected to answer when called
- Net control records and keeps track of (health & welfare checks) those who check in until they check out
- Check-in methods vary:
 - Roll-call: pre-defined list of net members
 - Example: cities on Message Net, ...
 - Individual: Individual identifies with FCC call sign
 - Example: weekly city nets, resource net, ...
 - Tactical Calls: function/location identifies with tactical & FCC call signs
 - Example: tactical nets, ...
 - ... whatever meets the need at the time

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69

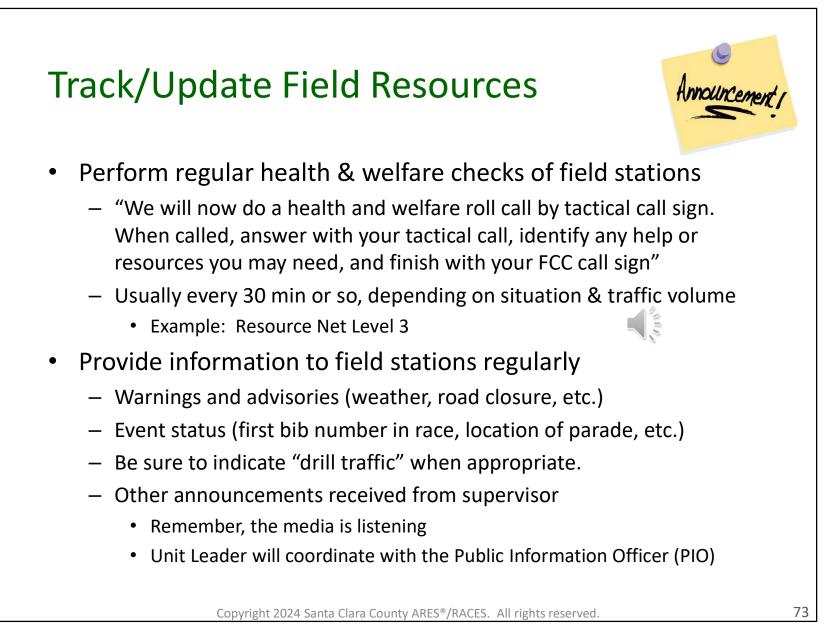


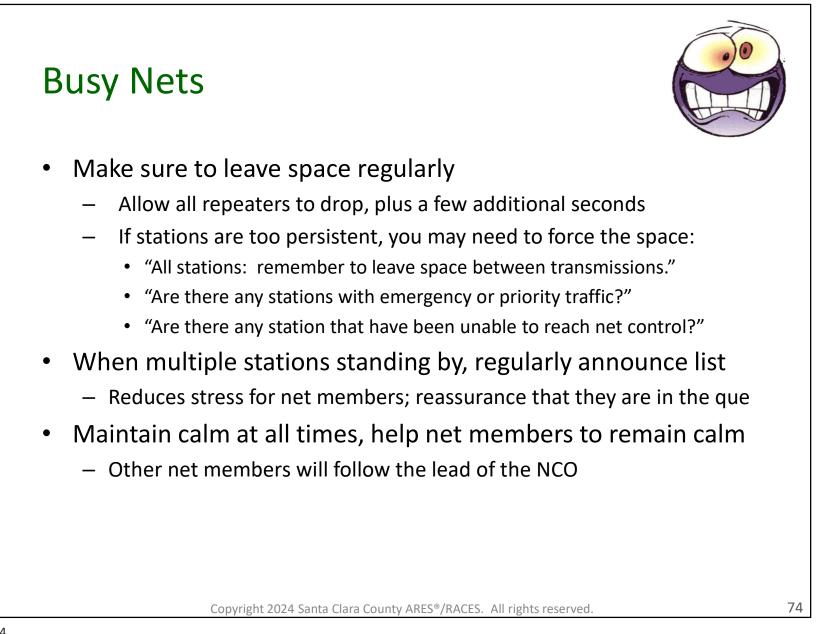


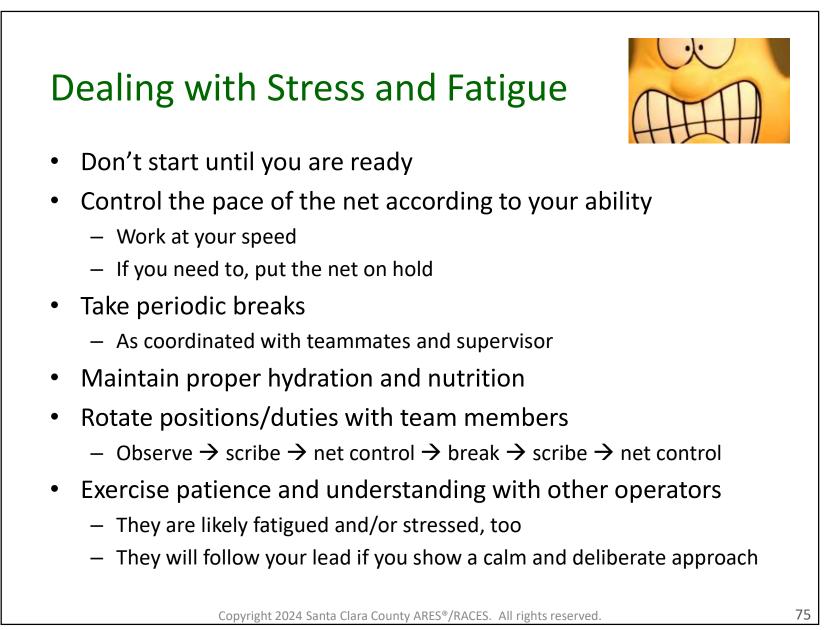


- Be clear on instructions on how to report
- Using Resource Net Level 1 as a previous example
 - "I will take reports first by call sign only, five at a time, by severity, using the Mike-Mike scale. When I call you, respond again with your call sign, city, Mike-Mike number, and call sign."
 - "When I call you please respond with your <report information> followed by your FCC Call sign". (Do a roll call)
- At public events, information is routinely collected.
 - Example: Los Altos Festival of Lights Parade crowd estimates



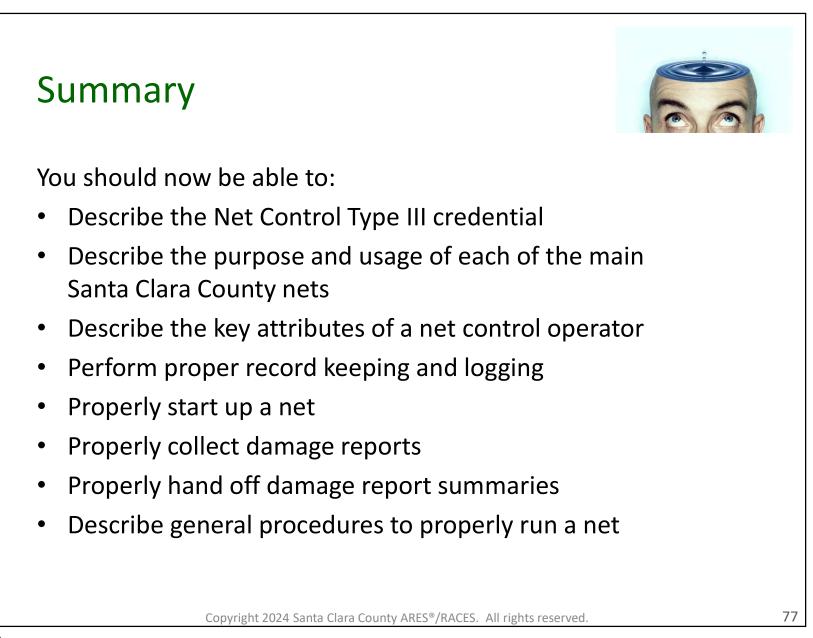








76





- Practice!
 - Log check-ins for any nets you're on
 - Perform net control duties for your city/agency net
 - Sign-up (at least) and perform (if possible) net control duty for the SPECS or SVECS net
 - Alert! Please know message passing and ProWords and use correctly.
 - Practice (particularly net hand-offs) with a friend
 - Attend a drill or exercise
- Prepare for the next class
 - Review any homework listed on the web page for the next class
 - Print out and review any forms used in the next class

78



Please complete the On-Line Class Evaluation within one week.

To get course credit you need to: a) Attend at least 90% of the class b) Participate in class b) Complete the class evaluation

If you do these, you will get credit for the course.

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