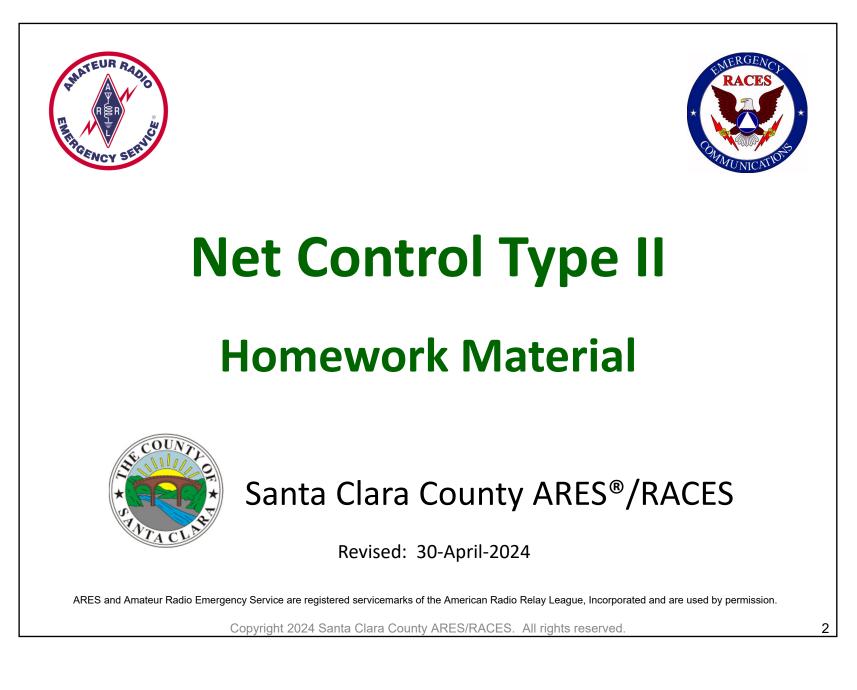
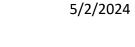
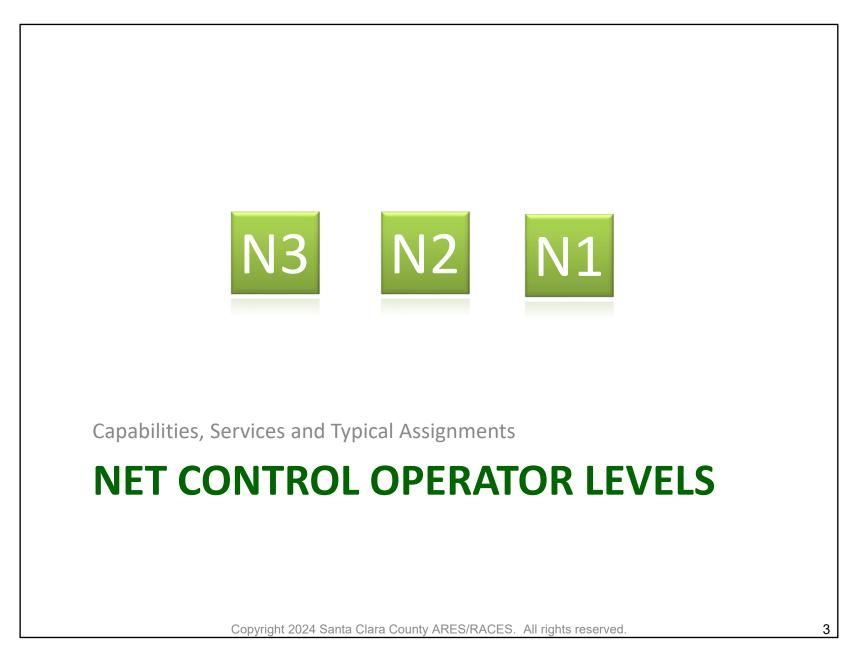
### USE AND DISTRIBUTION NOTICE

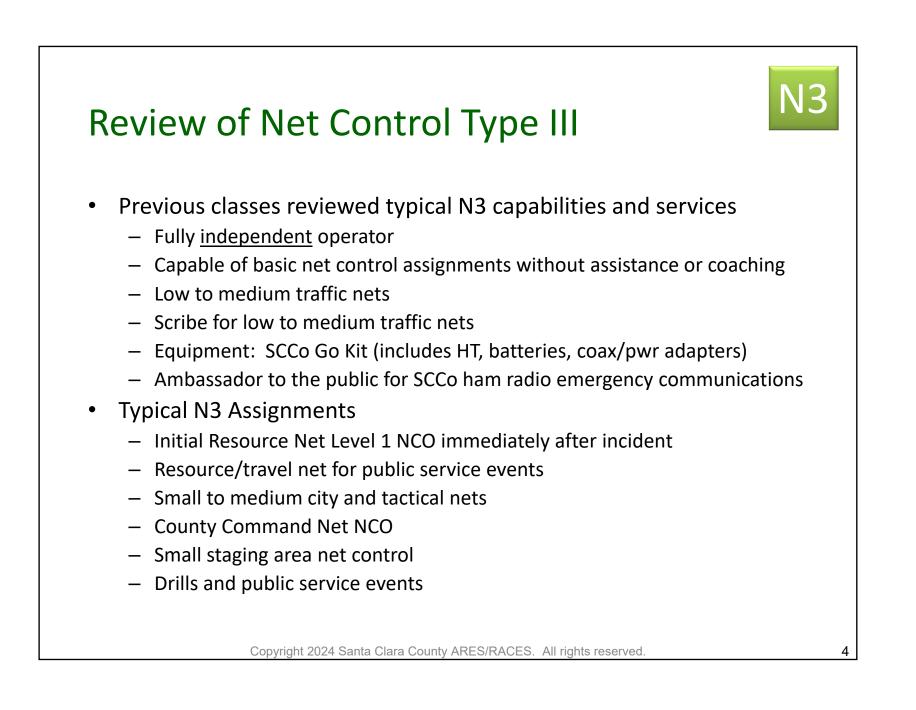
- Santa Clara County RACES authorization is granted to use and duplicate this material as-is, as long as this page and the copyright notices on each page are included, acknowledging Santa Clara County ARES/RACES as the holder of the copyright.
- Permission is granted to adapt this presentation to your needs as long as you acknowledge our copyright and include a note similar to "adapted with permission from Santa Clara County ARES/RACES."
- For additional information on training or any of our programs, send an email to: info@scc-ares-races.org

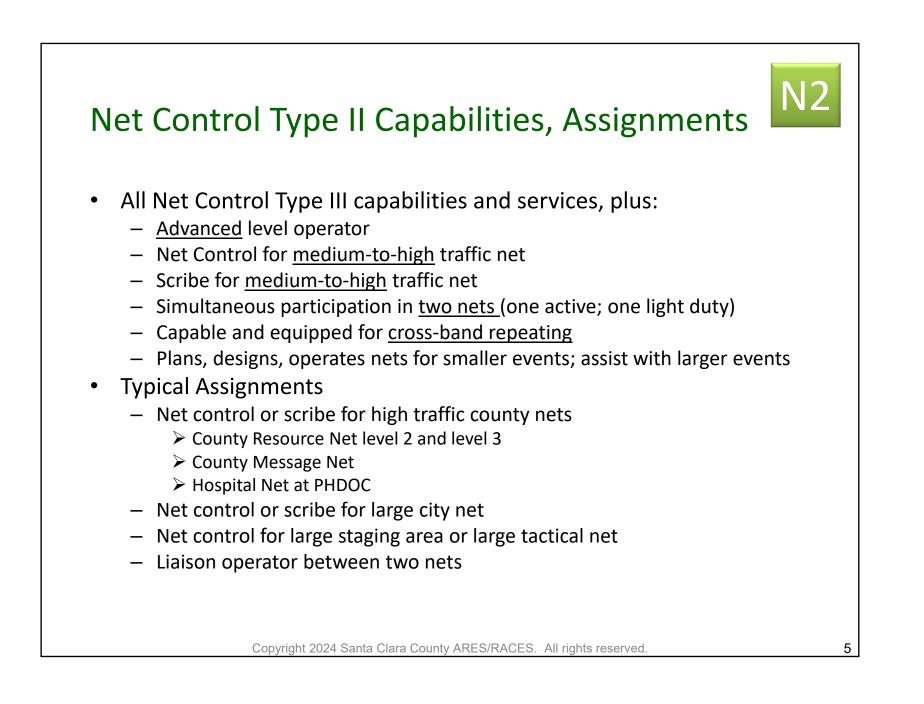
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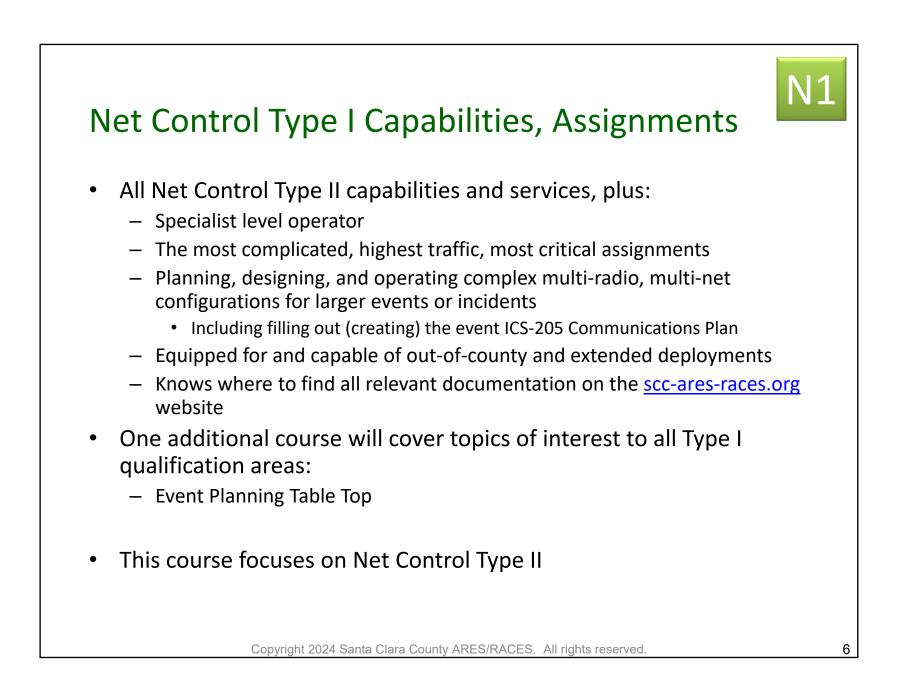












## Thank you for working towards a Type II credential!!

- Obtaining any Type II credential (F2, N2, P2, S2) is a nice step
  - You have gone through at least two evaluation consideration processes
  - This signifies a Fully Independent and Advanced 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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Routine Profile Maintenance and Review

### CREDENTIAL CARD, PROFILE, ACTIVITY RECORD AND ENDORSEMENTS

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# Print and laminate your Credential Wallet Card after Jan 31<sup>st</sup> each year or when you advance:

Home	My Credentials and Endorsements							
Log Out Activities Home								
SCC ARES/RACES Home								
Comments/Bugs	County Credentials							
Events	county credentials							
List Events By Date	Click on a credential level in the tabl	e below for more in	nformation					
List Events I Joined								
Modify an Event List/Print an Event Roster		Evaluator	Field	HF	Net Control	Packet	Shadow	
Log Event Participation		[	F1	H1	N1	P1	S1	
Submit Class Evaluation			<b>•</b>		N		51	
My Profile	]	E2	F2	H2	N2	P2	S2	
My Contact Info My Equipment		E3	F3	НЗ	N3	P3	S3	
My Activity Record								
My Completion Certificates				Commu	nicator IV			
My Credentials								
My Credential-Qualifying Events	<b>County Endorsements</b>							
Cities/Agencies I Support								
Change My Call Sign					چې پې	<b>O</b>		
Change My Password			17:		9.900 2.000 2.000 2.000	<b>.</b>		
My Team			MAC	County Fire	County EOC U	nit Leader		
List Team Members Download Team Roster								
	3			Color Key: Green: Com Blue: Partia Gray: Not S	Ily Completed			
	Print Wallet Card							
				Print W	allet Card			

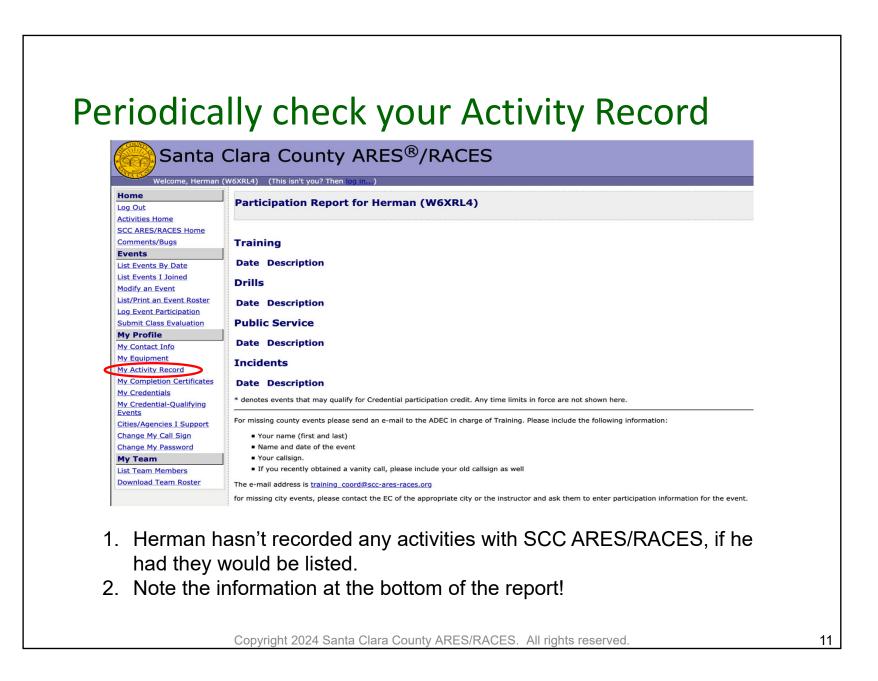
## Verify your Contact Information: beginning of each year or when your make changes.

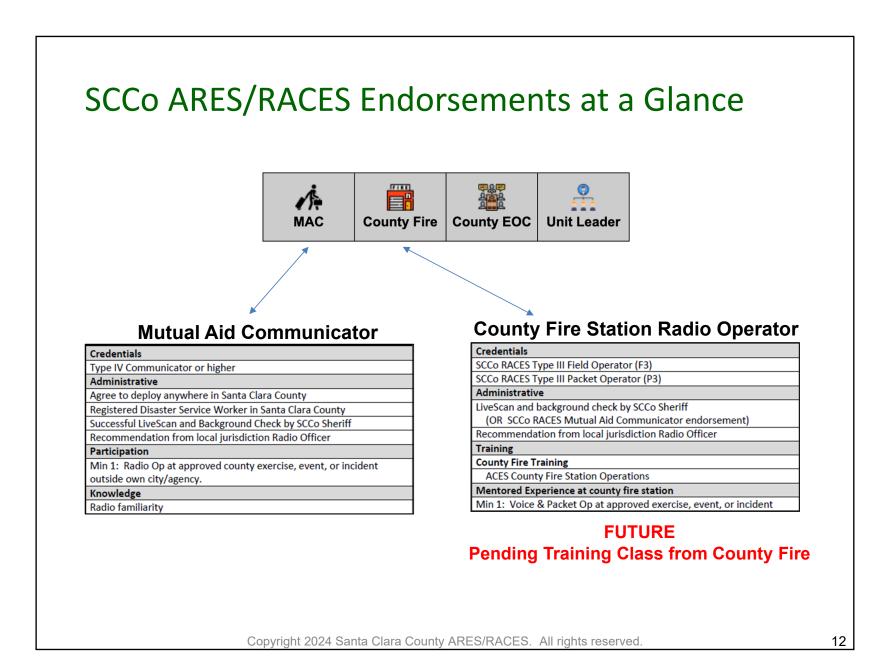
- "My contact Info"
- Verify / modify info
- Note: you need to separately fill in your AlertSCC information.
- Mark the check box after "I have reviewed"
- Click "Save Changes"

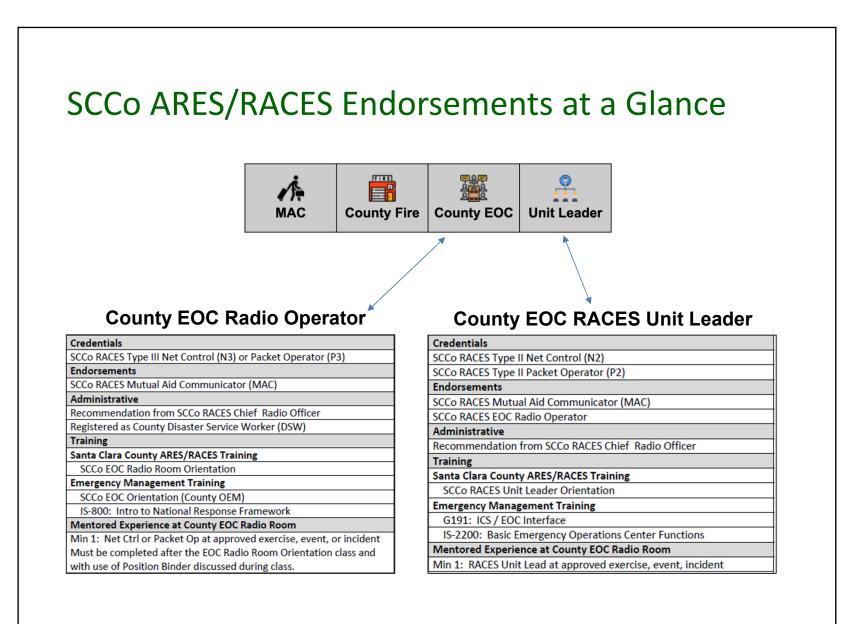
We need to have accurate and up-to-date contact information in order to contact people: email, AlertSCC, by phone, etc.

Out       Wtites Home         ARES/RACES Home         ints         Events By Date         Events L Joined         mit Call Sign*         Weiter Strate         Events L Joined         mit Class Evaluation         Profile         Contact Info         Call Sign*         Modernet         Address 1*         Address 2         City*         Mockingbird Heights         State*         Zip*         Oo0000         Hemergency Contact Information         Emergency Contact I lily         County of Santa Clara         My Primary Agency         You are on the rosters of these agencies:         County of Santa Clara         My Primary Agency         Sub agency that you will most likely respond         Sis agency that you will most likely respond         You are on multiple rosters, "Primary Agency"         If you are on multiple spread incident.         Weit fist agency that you will	ne l	/6XRL4) (This isn't )	rou. mon <u>rog mar</u> y			
wittes Home         ARES/RACES Home         mments/Bugs         ints         Call Sign*         Events Loined         mit Class Evaluation         Profile         Contact Info         Address 1*         Address 1*         1313 Mockingbird Ln         Profile         Contact Info         Address 2         City*         Mockingbird Heights         Tz         If a last a re number is required field         # at least re number is required         Profile         Contact Information         Emergency Contact Information         Emergency Contact Information         Emergency Contact Information         Emergency Contact Information         Inge My Call Sign         nge My Call Sign         nge My Primary Agency		ly Contact In	formation			
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Activity Record       State*       TZ         Completion       Zip*       00000         tificates       Zip*       00000         Credentials       Emergency Contact Information       Alexistic Formation         Credentials       Emergency contact*       Lily         Completion       Contact number*       408-555-1212         Phone #1 :       408-555-1212         Phone #1 :       408-555-0001         Phone #1 :       408-555-0002         Phone #1 :       408-555-0002         Phone #3 :       408-555-0003         Inge My Call Sign       Supported Agencies         Yulare on the rosters of these agencies:       County of Santa Clara         Team       My Primary Agency         Vinicad Team Roster       County of Santa Clara         If you are on multiple rosters, "Primary Agency"       SMS #1** :         If you are on multiple rosters, "Primary Agency"       SMS #1** :         If you are on multiple rosters, "Primary Agency"       SMS #1** :         Vinge are on multiple rosters, "Primary Agency"       SMS #1** :         Vinge are on multiple rosters, "Primary Agency"       SMS stands for Short Messaging Service		City*	Mockingbird Heights	e-mail #2	none2@none.com	
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sport ange My Call Sign ange My Call Sign ange My Call Sign Team       Supported Agencies You are on the rosters of these agencies: County of Santa Clara       Phone #3 : 408-555-0003         Team       You are on the rosters of these agencies: County of Santa Clara       e-mail #1 : email2@gmail.com         My Primary Agency       e-mail #3 : email2@gmail.com         County of Santa Clara       SMS #1** : 408-555-1000         Ti you are on multiple rosters, "primary Agency" is the agency that you will most likely respond to first in case of a wide-spread incident.       SMS #2** : 408-555-2000		Emergency contact	* Lily	Phone #1	1: 408-555-0001	
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Inge My Password       Supported Agencies       e-mail #1 : email1@gmail.com         You are on the rosters of these agencies:       e-mail #2 : email2@gmail.com         Team       County of Santa Clara       e-mail #3 : email3@gmail.com         Team Members       My Primary Agency       e-mail #3 : email3@gmail.com         vnload Team Roster       County of Santa Clara       SMS #1** : 408-555-1000         If you are on multiple rosters, "Primary Agency"       SMS #2** : 408-555-2000         is the agency that you will most likely respond       ** SMS stands for Short Messaging Service				Phone #3	408-555-0003	
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Team Members         My Primary Agency         e-mail #3 : email3@gmail.com           wnload Team Roster         County of Santa Clara         SMS #1** : 408-555-1000           If you are on multiple rosters, "Primary Agency" is the agency that you will most likely respond to first in case of a wide-spread incident.         SMS #1** : 408-555-2000						
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				and a second		
and the state of t		* denotes required			onymous with text messaging.	
				Put your pri	mary information as #1,	
Note: These entries are prioritized. Put your primary information as #1,				your second	as #2, etc.	

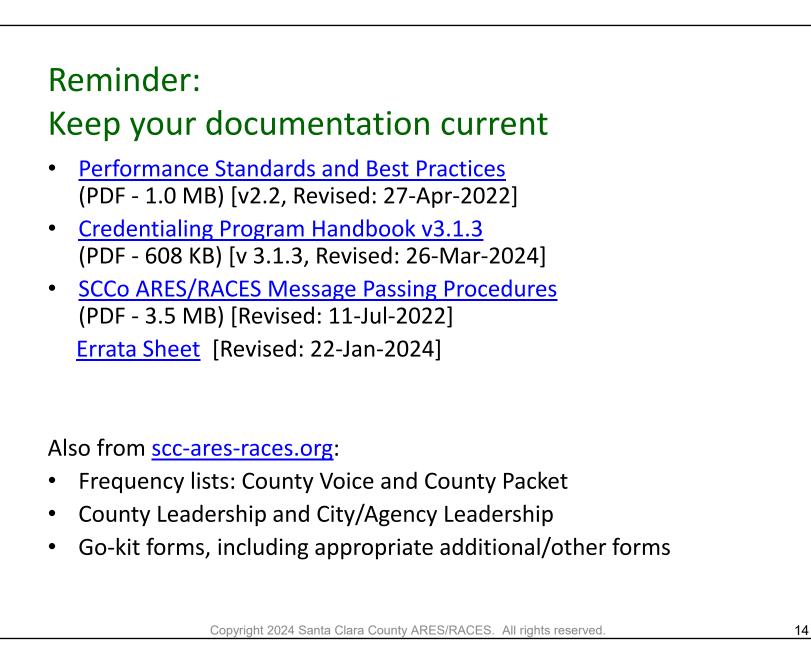
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#### Our Example Operator: Herman Munster

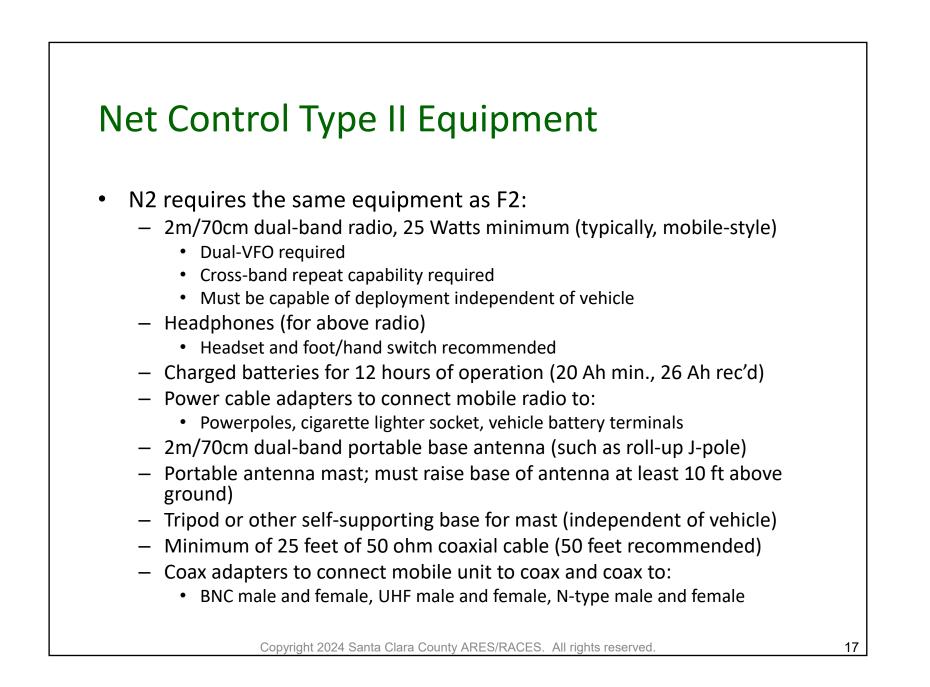
- "The Munsters" was a TV show in the mid-1960s
- Herman was the father, played by Fred Gwynne
- Herman was an amateur radio operator: W6XRL4
- Herman's mobile phone: 555-867-5309
- We may use other characters and calls based on the TV show:
  - Wolfman Jack: W6WOOF
  - Dracula: W6DRAC
  - Etc.
- We may also use others as simulated for real people:
  - Eddie Munster
  - Grandpa Munster
  - Etc.

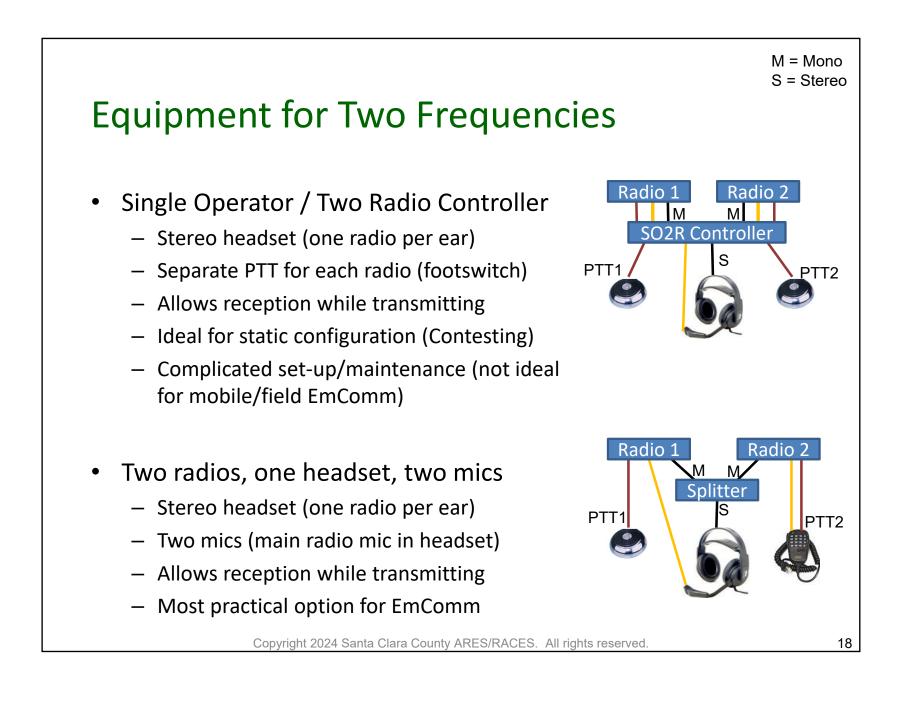


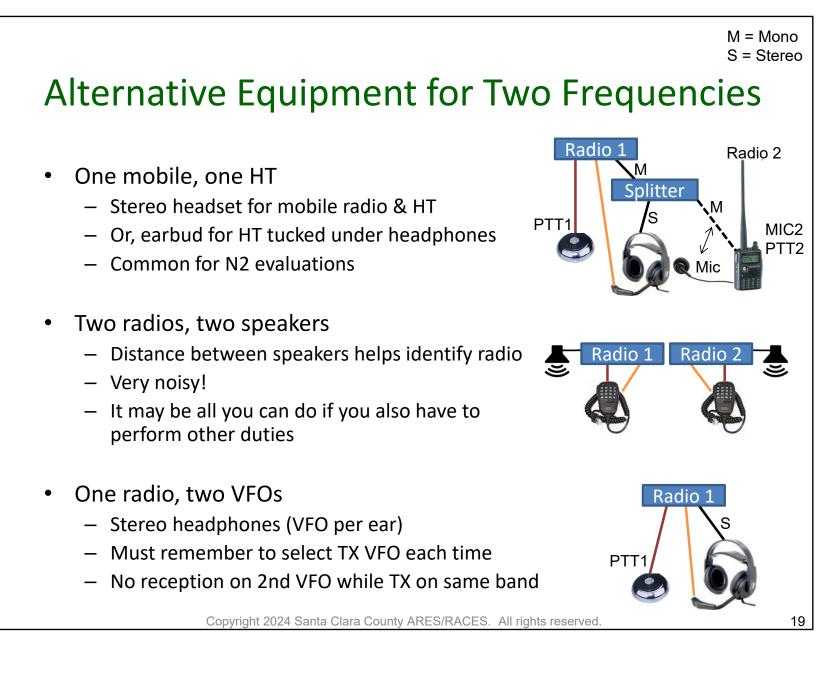


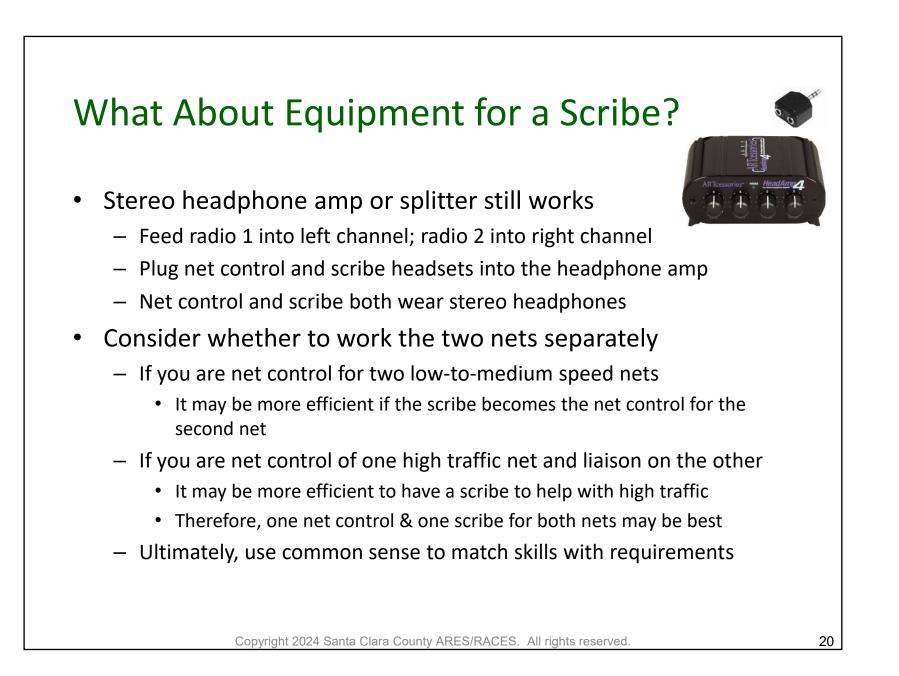
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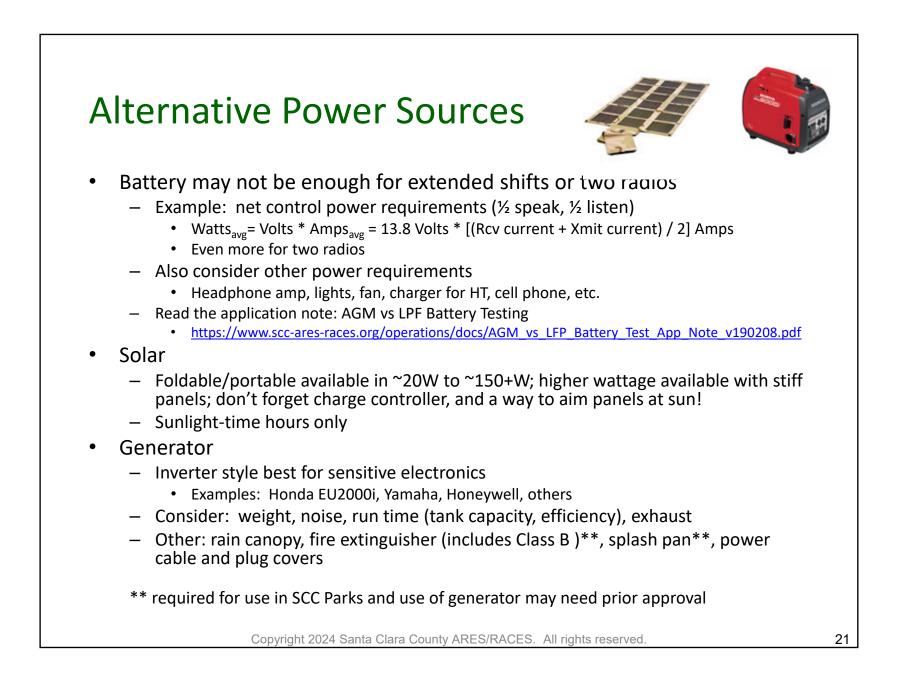


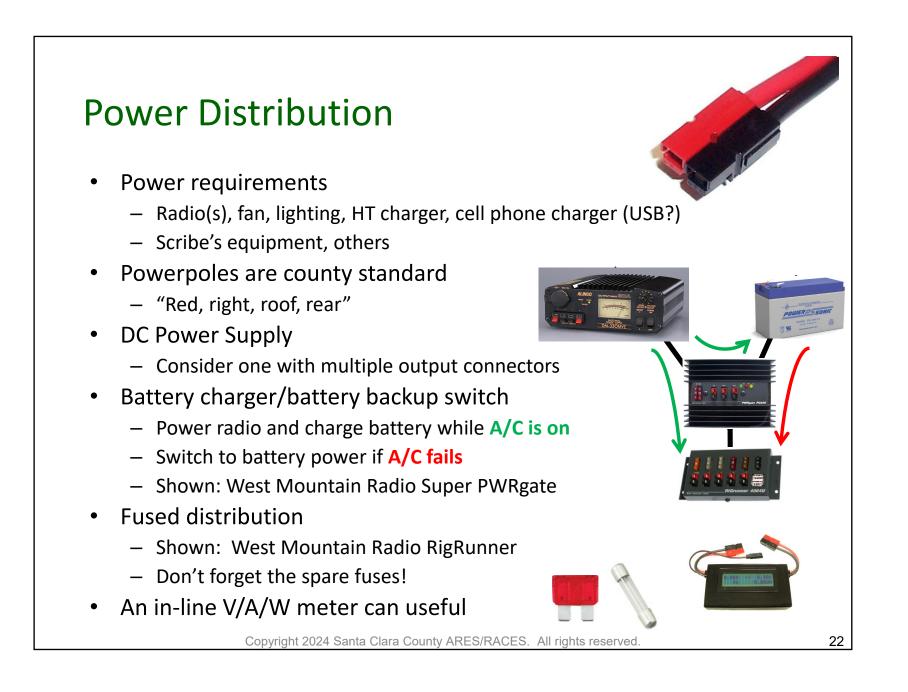


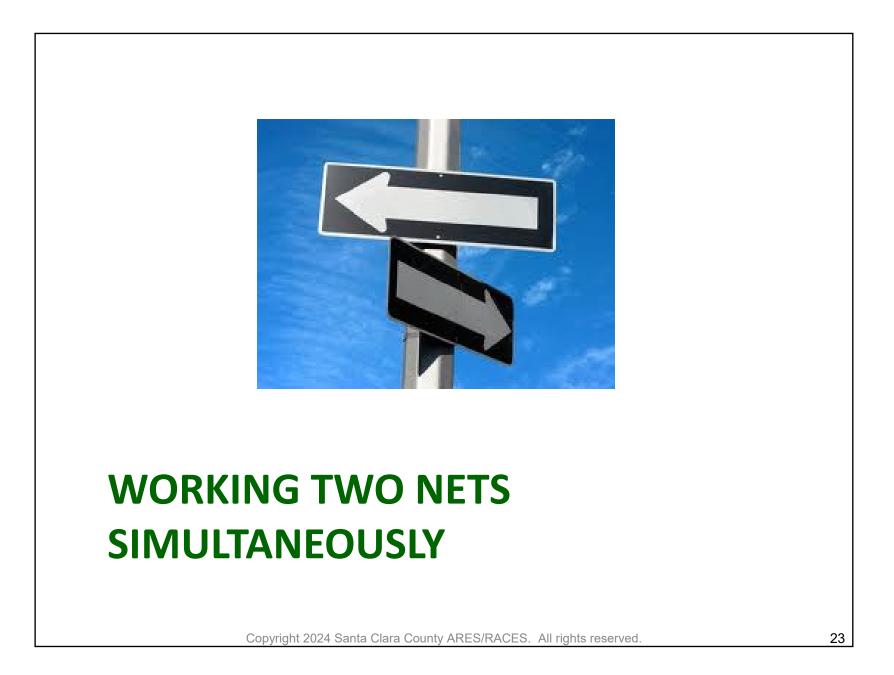


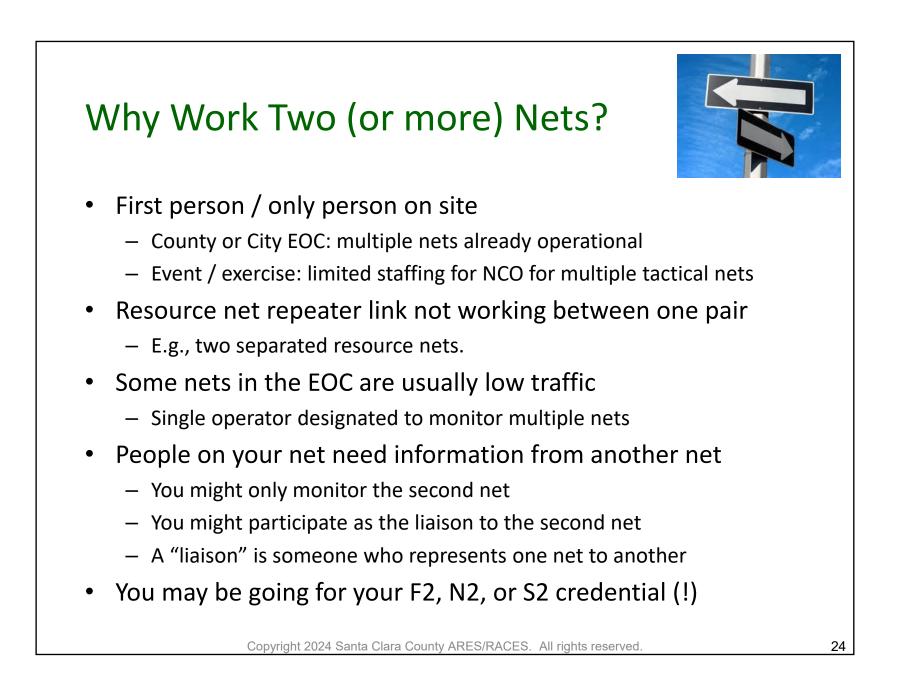


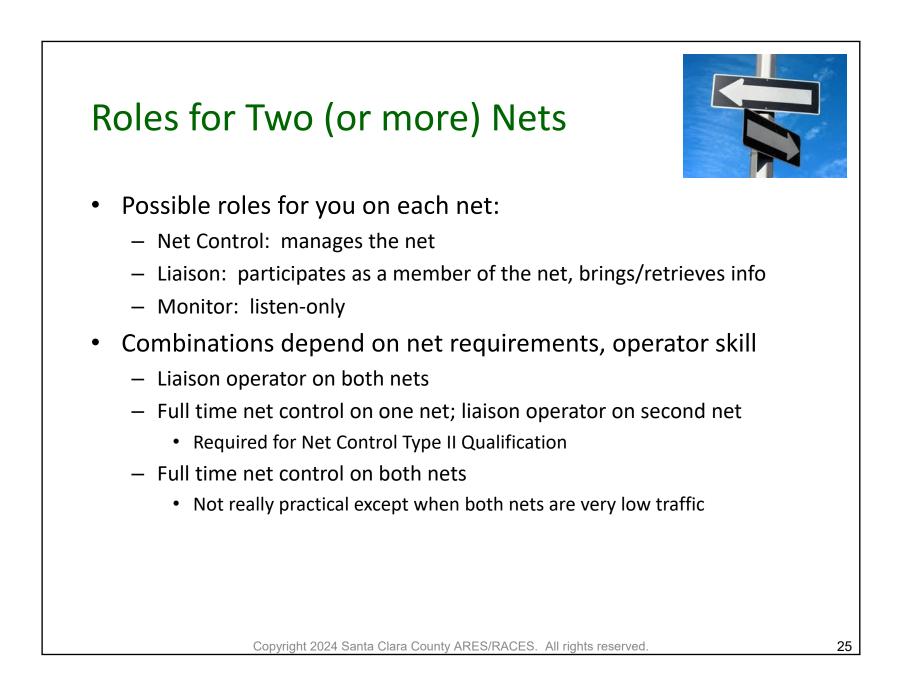


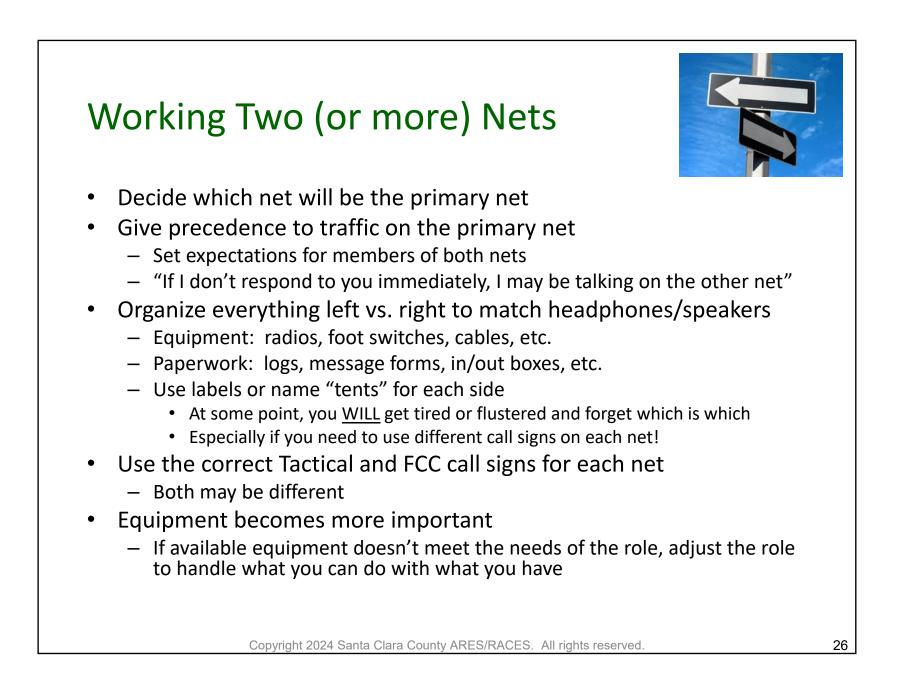


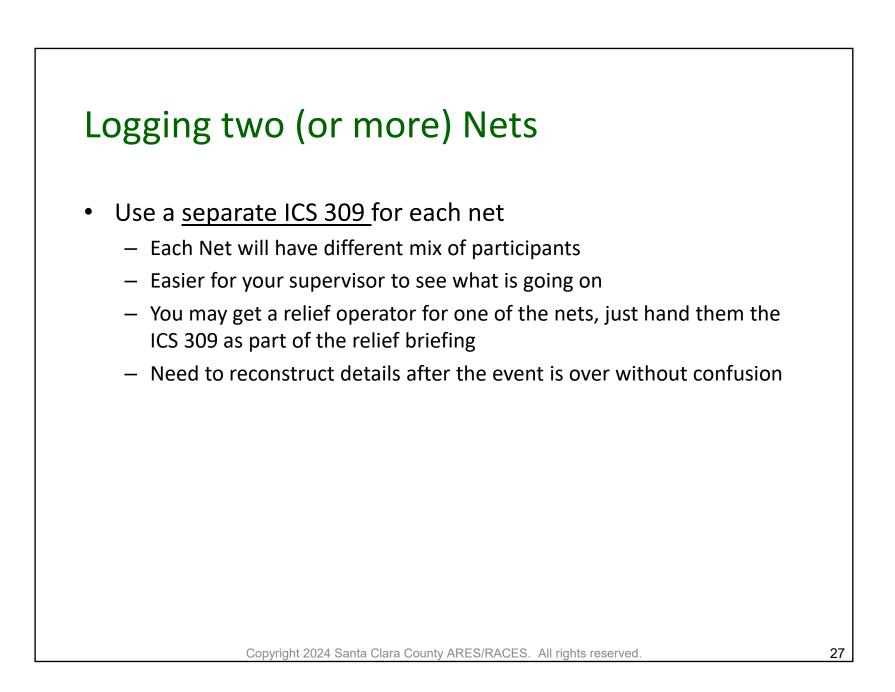








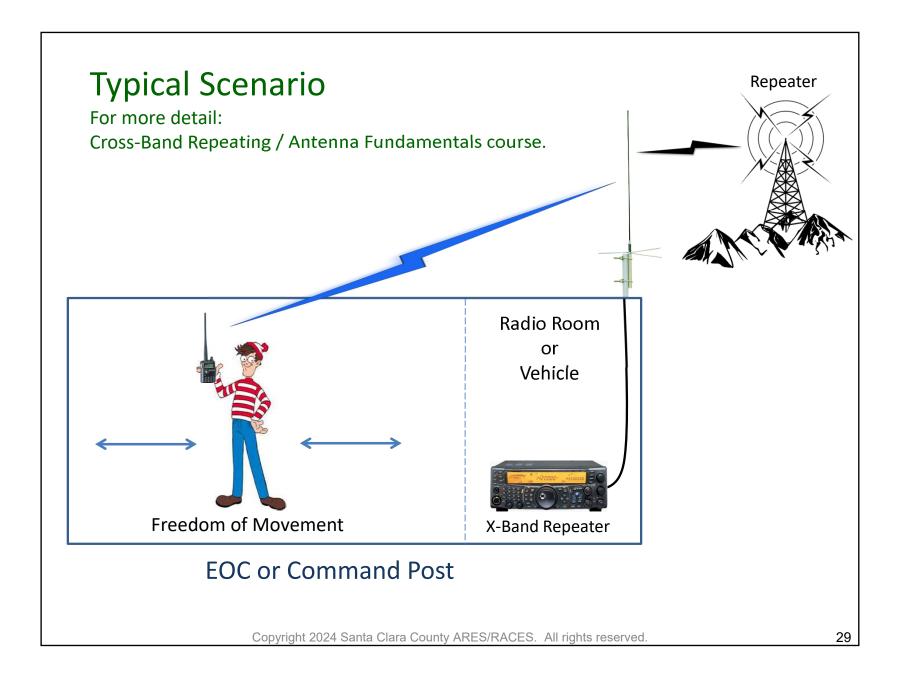




Net Control Type II

### CROSS-BAND REPEAT FOR NET CONTROL

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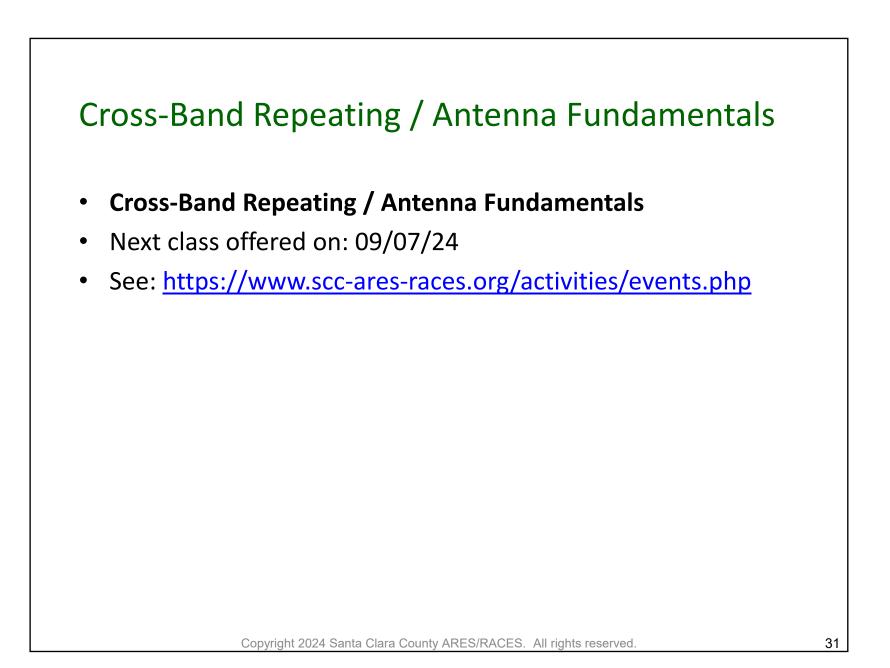


#### Cross-band Repeating for Net Control

For more detail, consult the Cross-Band Repeating / Antenna Fundamentals course

- Advantages
  - Freedom of movement within the EOC/command post for message pick-up and delivery, or locating people with the information you need
  - May be the only option you have if you're the only operator
  - Reports of successful use in real situations like Hurricane Katrina
- Challenges
  - HT audio is usually not very good, for either TX or RX
    - Use a headset with boom mic, instead of earbud with inline mic
  - Net control is a high duty cycle operation
    - HT batteries will run down
      - Use extra-low power, have extra batteries charging at all times
    - Cross-band repeater radio will overheat
      - Use extra-low power on local/user side
      - Use a good antenna and low power on the remote/uplink side
      - Consider using a base station radio capable of higher duty cycle

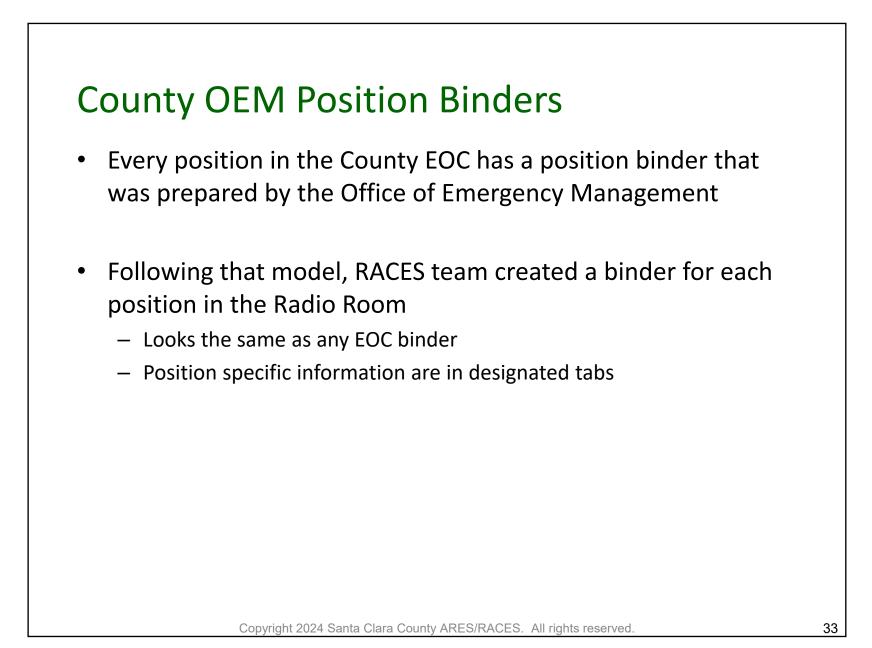
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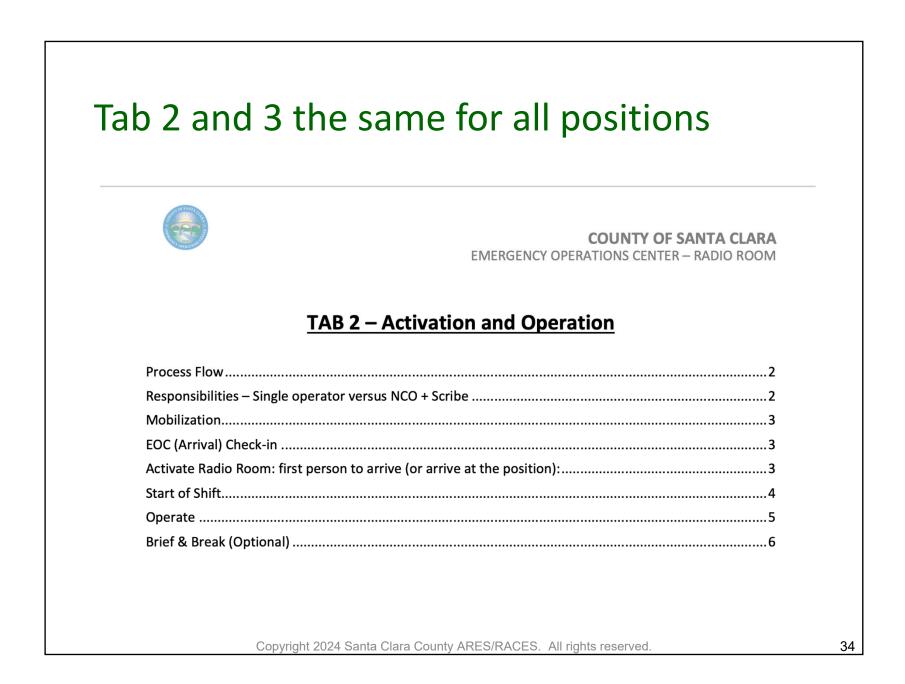


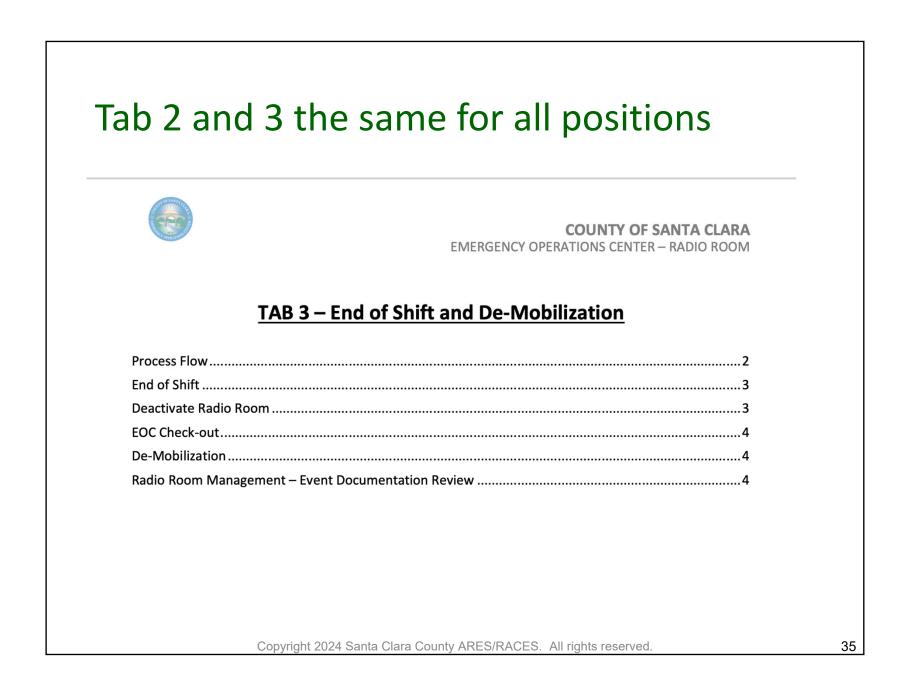
County EOC RACES Radio Room

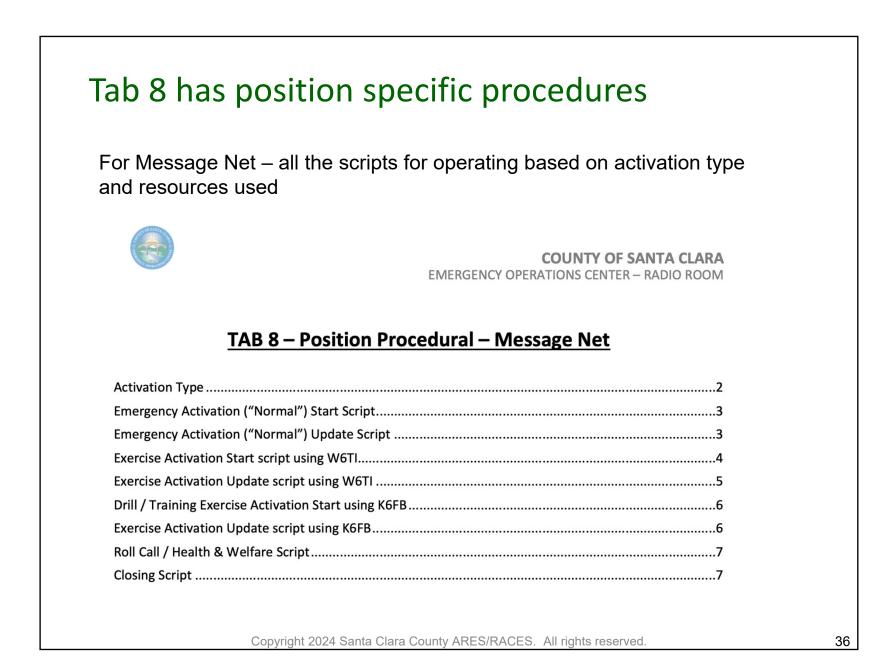
### CHECKLISTS, SCRIPTS, AND PREPARATION (AND BINDERS.....)

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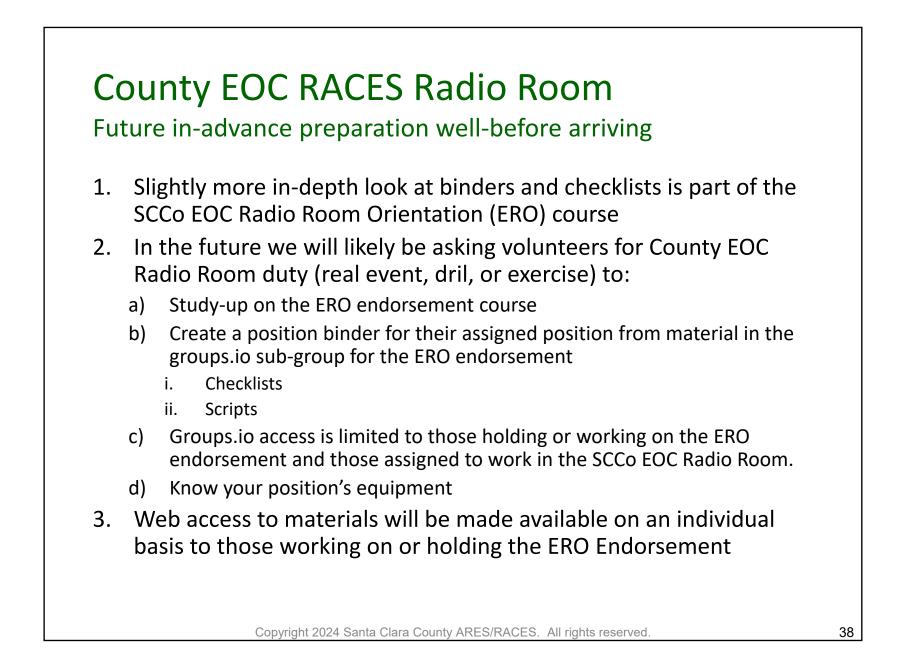


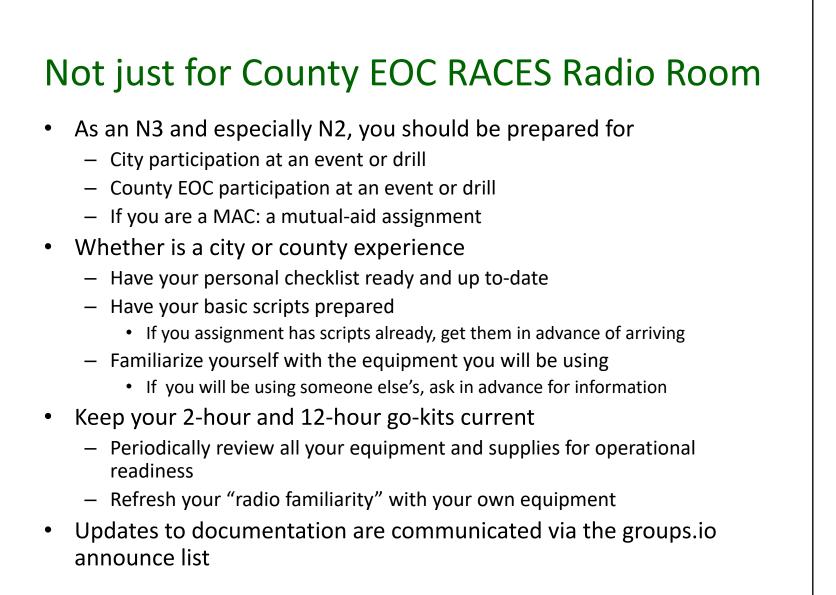




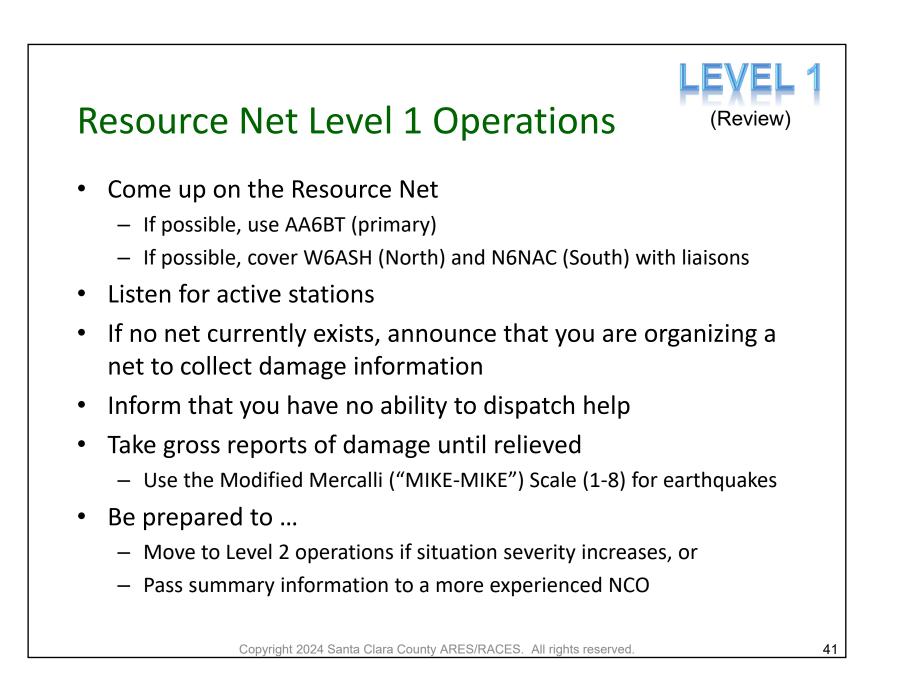


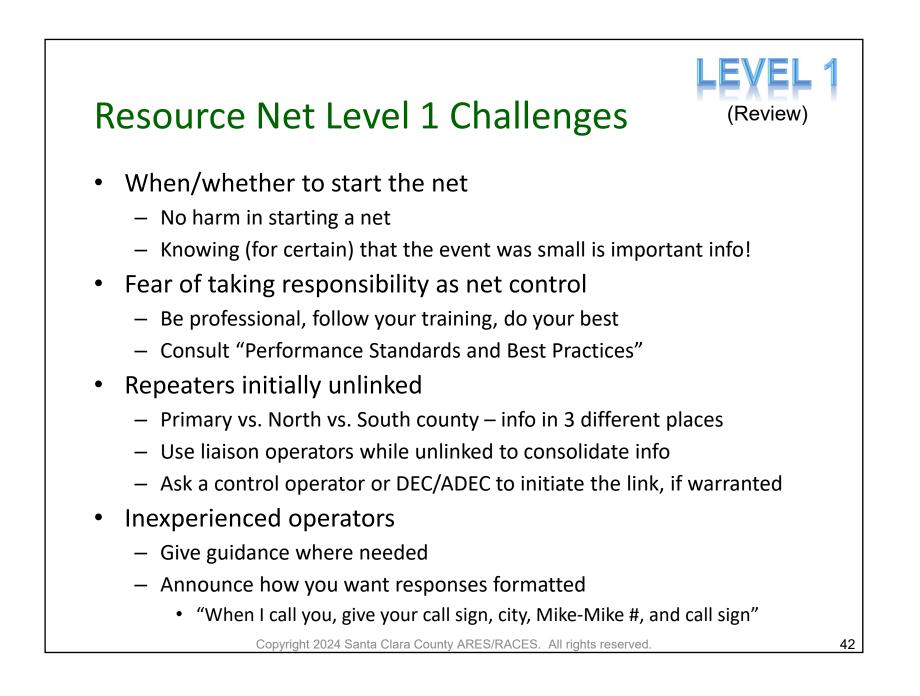
Exam	ple Checklist: Start of Shift	
	Start of Shift	
	Put on the assigned vest for your position.	
	Review the contents of each tab of this position binder.	
	Obtain the Relief Briefing from the current staff (if you are not the first person to arrive)	
	Verify the Activate Radio Room checklist steps have been completed for your position.	
	<ul> <li>Locate and have available on the counter-top multiple copies of the following set of forms appropriate to the station/position. For example:</li> </ul>	
	1. ICS 309 Communication log 2. ICS 213 Message Form	
	<ol> <li>Radio Routing Form</li> <li>T-Cards</li> <li>Form 1 – blank paper</li> </ol>	
	Locate other forms (as needed), blue or black ink pens, stapler and staple refills	
	Enter/update your identification information:	
	For voice net: start your ICS 309 form for your position.	
	For packet: perform the Tab 8 Start of Shift – Packet checklist and return here.	
	Verify the starting number or continuing number for the message numbering for your position.	
	Verify your position equipment can communicate:	
	Verify Tab 2 Activate Radio Room checklist complete(d) for your position.	
	For voice net and packet via radio: radio is operational and on frequency. For packet via radio or via Internet: communicate with the intended BBS	
	Review Tab Nine (9) for any radio equipment reference and supplemental material that may be	
	appropriate for this position: e.g., EOC to EOC radio, OASIS radio, etc.  For voice net:	
	For voice net: If not open: <u>upon permission from the Unit Lead / Net Manager</u> , open the net. If open: announce the update script	
	Review Tab Eight (8) Radio Room Position Procedural for the appropriate scripts and any preparation work (if needed).	
	end of checklist	









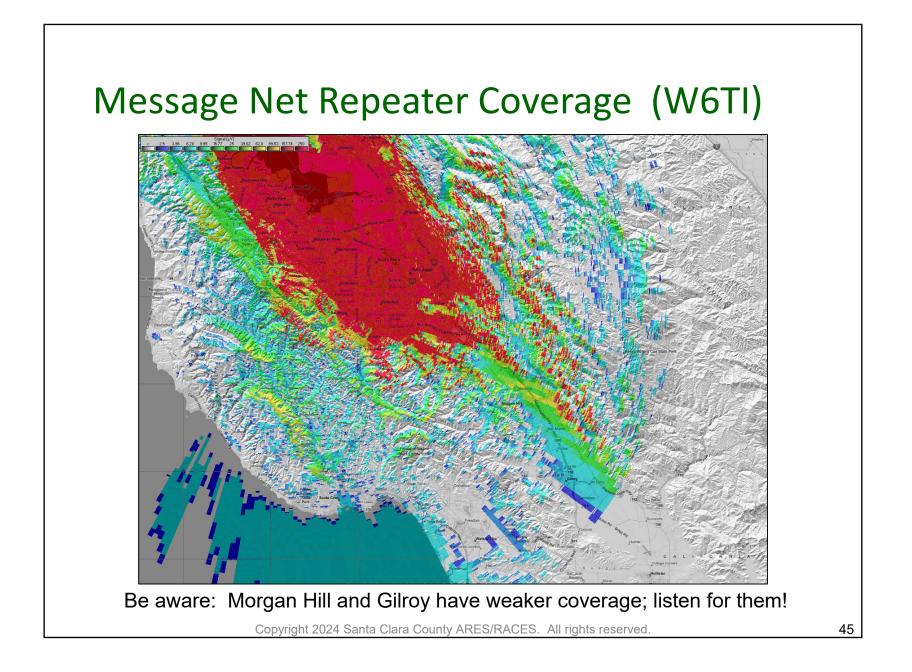


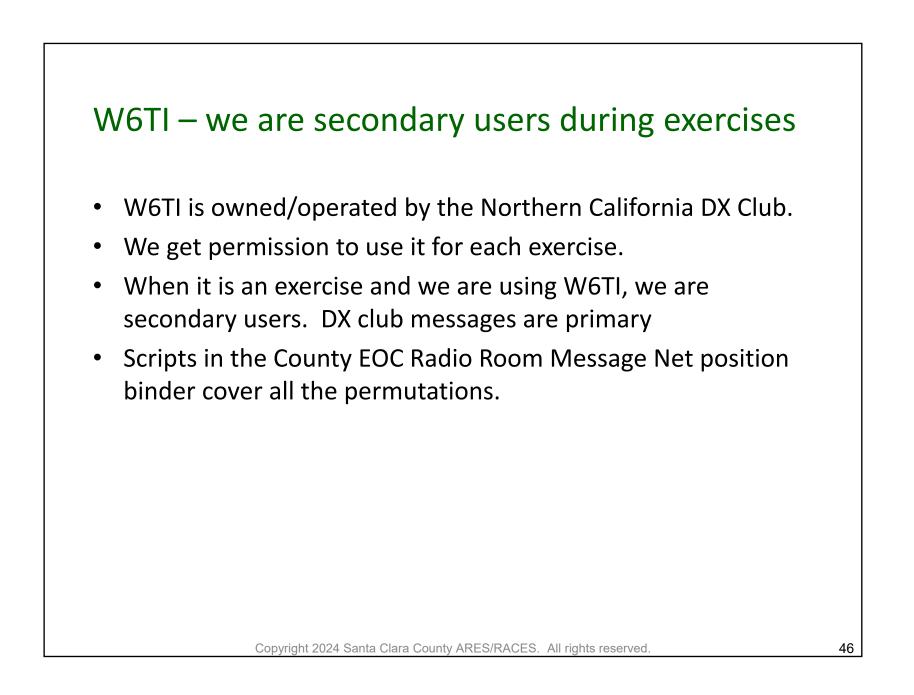
Vertice:       Instruct (regulared) '         Vertice:       Instruct (regulared) /         Vertice:       Instruct (regulared) /	Date ':         Time (24br):         Handling '(< onc):
CC:       Management       Operations       Planning       Logistics       Pinance         Operator Use Only:       Measure       Sent:       Net       Net         How Received 0 or Sent 0 (of onc):       Operator Call Sites:       Operator Name:       Operator Name:         0 ECO Radio 0 FAX       Courier       Operator Name:       Operator Sites:       Network         Mease: Optimater: Send the optimator Radio 0 other       Date:       Time:       Network         Mease: Optimater: Send the optimator Use Only then route to the Addressee. Retain a copy in rout reference.       Radia: After endow only and file in radio.         Relate: Complete Operator Use Only then route to the Addressee. Retain a copy in nadio if directed by Supervisor.       Radie: Complete Operator Use Only then route to the Addressee. Retain a copy in route Store 213 (01/19/2022)         Review Of       Take appropriate action.       SCCO RACES ICS Form 213 (01/19/2022)	Name: (optional)     Name: (optional)       Telephone #: (optional)     Telephone #: (optional)       SUBJECT: <sup>10</sup>
Operator Use Only: 14       Sent:         Relay:       Revd:       Sent:         How Received © or Sent © (4 onc):       Operator Call Sign:       Operator Call Sign:         DEOC Radio       FAX       Courier       Operator Name:         BEOC Radio       FAX       Courier       Date:       Time:         Maxater Radio       Other       Date:       Time:       Operator Call Sign:         Message Originator: Send to original to radio. Retain a copy for your reference.       Radio: Alter scaling, complete Operator Use Only due note to the Addressee.       Retain a copy in radio if directed by Supervisor.         Radio: Alter scaling, complete Operator Use Only then roote to the Addressee.       Retain a copy in radio if directed by Supervisor.         Radio: Care registre Take appropriate action.       SCCo RACES ICS Form 213 (01/19/2022)	ACTION TAKEN: <sup>13</sup> (For use by Originator / Recipient) > USE SEPARATE MESSAGE FORM IF SENDING REPLYI
	Operator Use Only: 14         Relav:         Relav:       Relav:         Bow Received □ or Sent □ (ronc):       Operator Call Sign:         □ Telephone       Dispatch Center         □ Boo Radio       FAX       Courier         □ Amateur Radio       Other       Date:         □ Manager Signiture:       Send to exignal to radio. Retain a cory for your reference.         □ Manager Signiture:       Send to operator Use Only and fits in radio.         □ Incoming (Restrict):       "Operator reference.         □ Redia:       Conterpict:       Use on the most of the Address. Retain a cory in radio if directed by Supervisor.
WIESSAGE NET OPERATIONS	E NET OPERATIONS

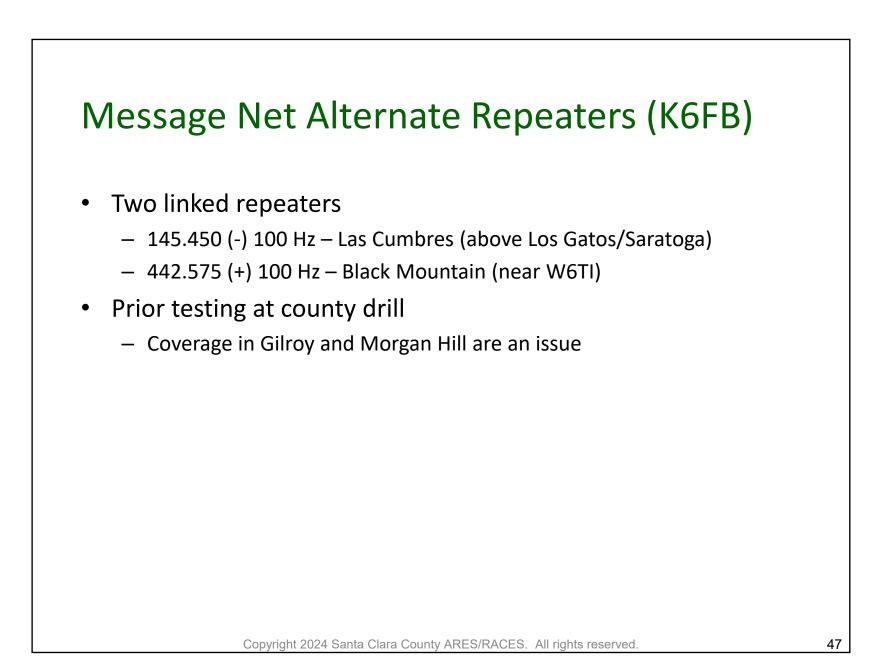
### Message Net

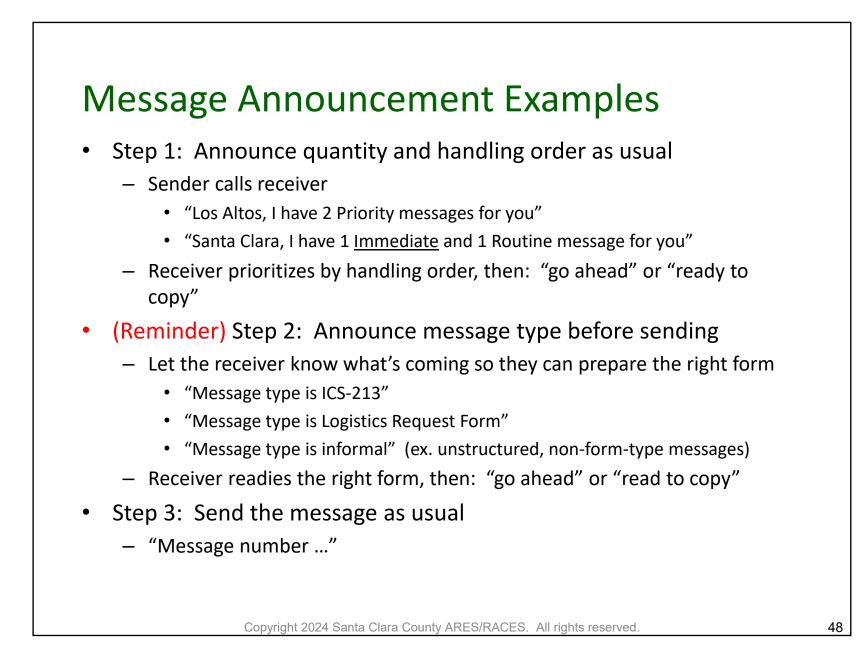
- County message net can be non-stop action for hours
  - As packet use has increased, message net is much more manageable
- Scribe is essential part of the team
- Message net team needs to be the best message handlers
  - Other operators will pattern themselves after net control
  - Clearly state the quantity and nature of the traffic
    - "I have one priority message for you."
  - Cleary state the message type
    - "Message type is ICS-213", "Message type is informal"
  - Crisp, clear, concise even for informal messages
    - Say what's needed, nothing more
  - Proper phonetics, numerals and prowords are critical on this net
  - Pass or copy messages exactly as written
  - Use ICS 213-SCCo for formal messages

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## Radio Routing Form

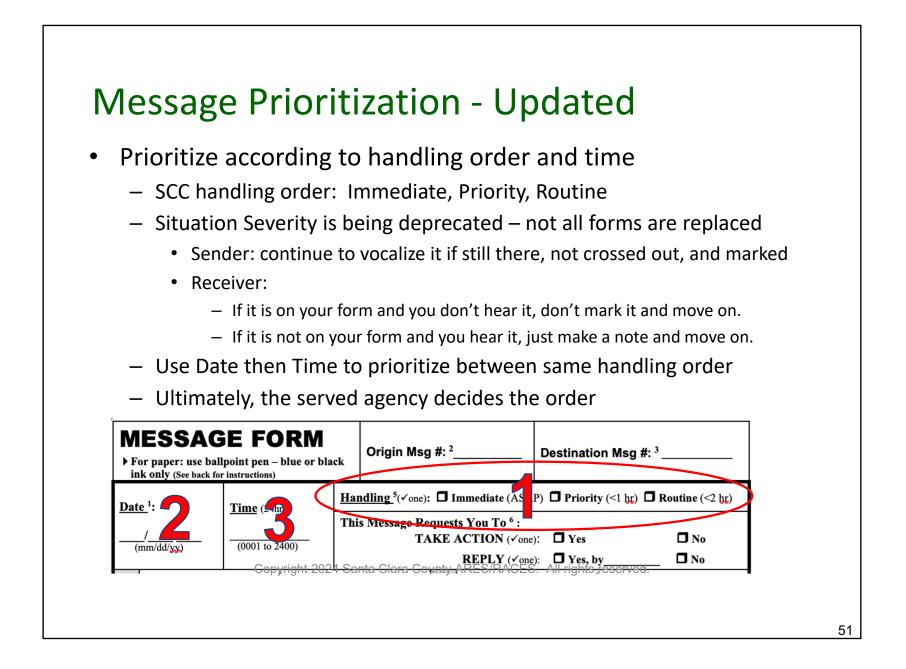
- <u>3<sup>rd</sup> party vs</u> Operational
  - <u>Operational</u> messages are between radio operators: used to manage the net, such as check-ins, health & welfare, status/info gathering, etc.
  - <u>3<sup>rd</sup> party</u> is what we do for our served agencies. ICS forms, SCCo forms, Mutual Aid Request, handwritten, etc.

 Informal, handwritten; encourage the sender to re-write on an ICS 213

- To help manage effective to/from, handling order, message ID and tracking on some forms, a Radio Routing Slip is used.
  - Think of it as a standardized envelope
- Fill out and staple to forms that don't already have the information.

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Sa	nta Clara Cou	nty RACES	Radio Rou	tin	e Slin		Rev: 190527			
	io Operator Only:	<sup>1</sup> Origin Msg #:	nuulo noo			ion Msg #:				
								i f		
This	Section to be Co	mpleted by Mess	age Author/Cr	eato	r:	( <u>Un</u>	derlined=Required)			
² <u>Da</u>	te:	<sup>3</sup> <u>Time</u> (24hr):	4 Handling:	Oı	mmediate (ASAP)	OPriority (<1 hr)	ORoutine (<2 hr)	$\geq$		
	<sup>5</sup> ICS Position:			F	<sup>9</sup> ICS Position:					
т	<sup>6</sup> Location:			R	<sup>10</sup> Location:					
0	<sup>7</sup> Name:			0 M	<sup>11</sup> Name:					
	<sup>8</sup> Contact Info:	act Info:			<sup>12</sup> Contact Info:					
Forr	n: <sup>13</sup> <u>Type</u> :			14 <u>T</u>	opic:					
	<ol> <li>Complete secti</li> <li>Fill in all <u>Requi</u></li> <li>Attach to the f</li> </ol>	ge Author/Creator: on above, surround red fields ront of a form to be o operator for trans	ded by BOLD line e sent via radio	e (see	e instructions on l	back)				
Rela					Sent:					
					i ser estatutetatutet	Ĩ	ime (24hr):			



#### Homework Exercise: Message Prioritization

- You are net control for the county message net
- The following messages are waiting to be sent:

Msg Nbr	Time	Sending To	Handling Order
XSC327	0915	Sunnyvale EOC	Routine
XSC349	0921	Gilroy EOC	Priority
XSC207	0925	Morgan Hill EOC	Priority
XSC401	0930	All EOCs	Immediate

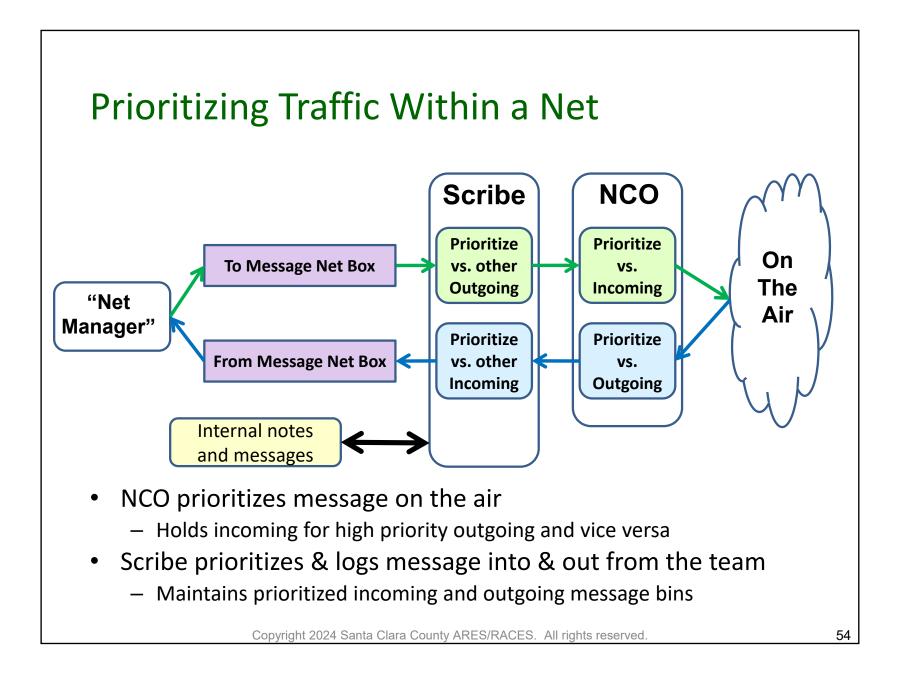
• You also have the following incoming messages waiting:

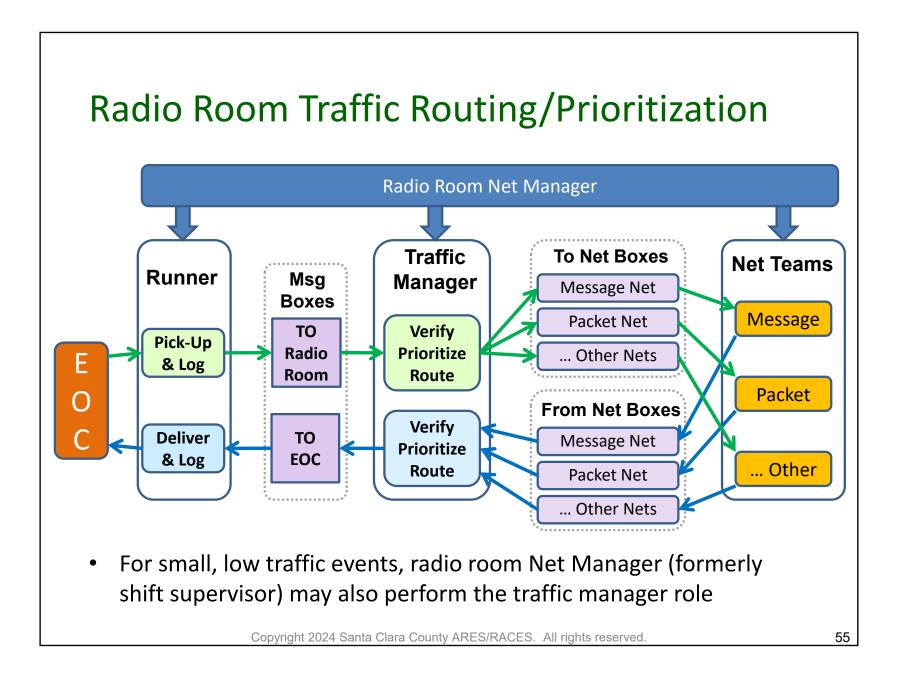
Time	Receiving From	Handing Order
0920	Los Altos	Priority
0930	San Jose	Immediate

- List these six messages in the proper send/receive order
- NOTE: assume no other messages come in during this time

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Homework: Message Prioritization Prior to the class, do the following:
Sort the messages on the preceding slide into their transmission order: i.e., which is first, second, third, sixth.
We will review and discuss during class.
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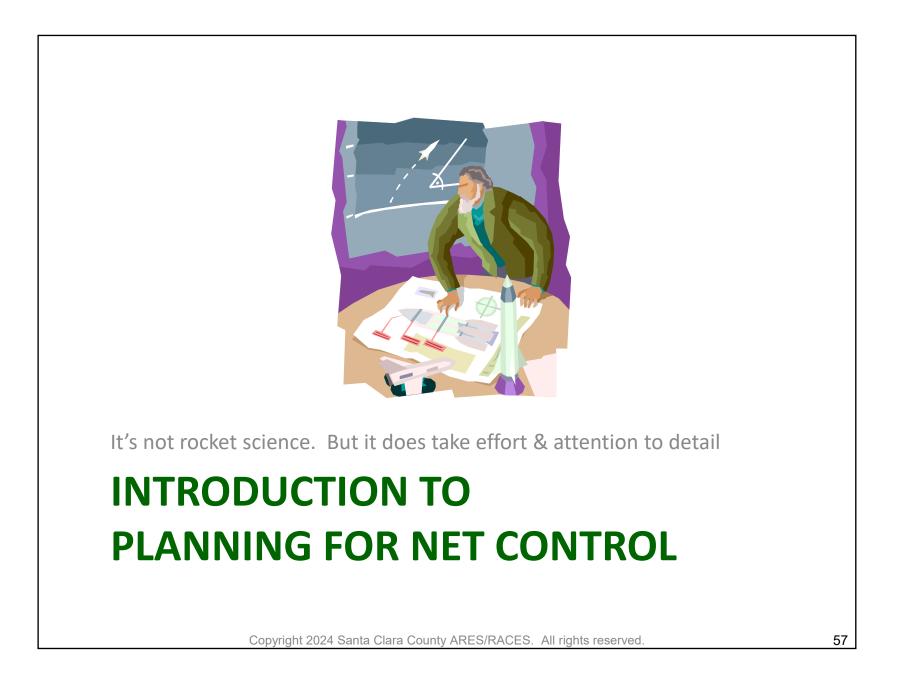
#### Homework: Net Manager / Traffic Manager Prior to the class, do the following:

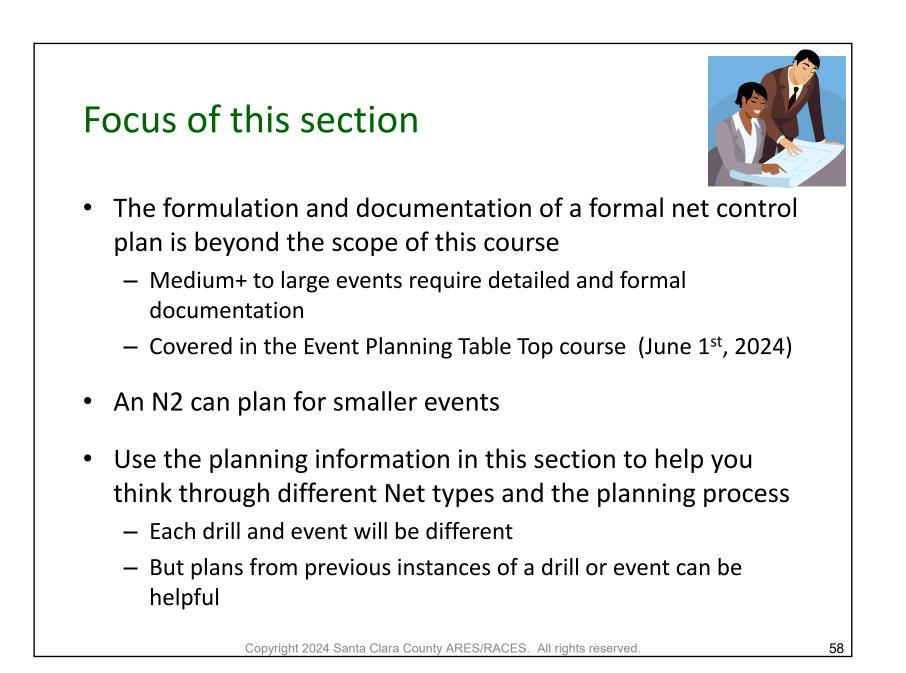
The following messages have come in from the EOC to be sent out via Amateur Radio. Which county net would you use and why?

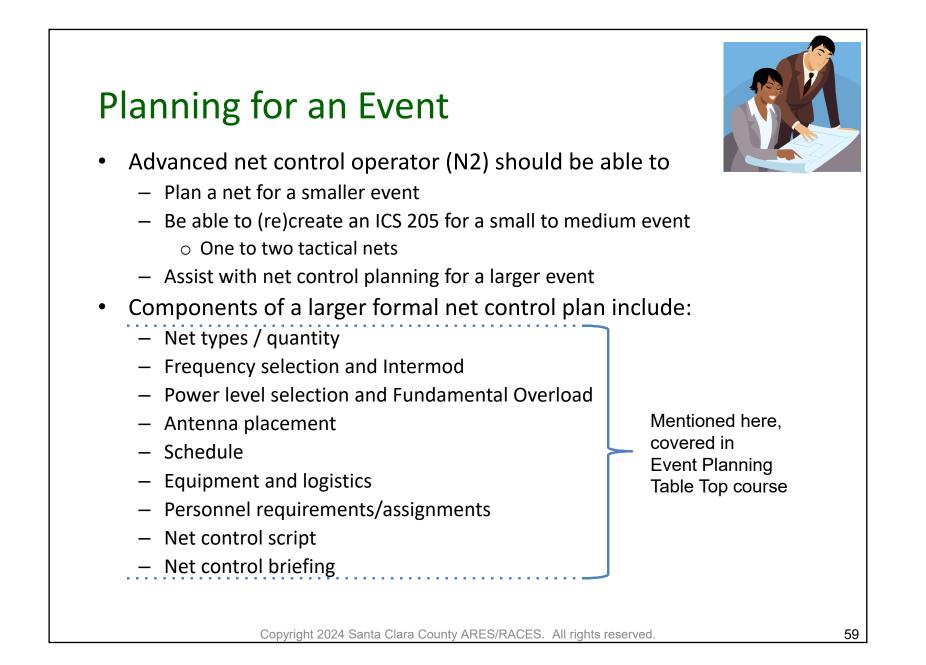
То	Handling Order	Which Net?	Why?
Sunnyvale EOC	Routine		
Fire Station 75	Immediate		
All EOCs	Priority		
All EOCs	Immediate		

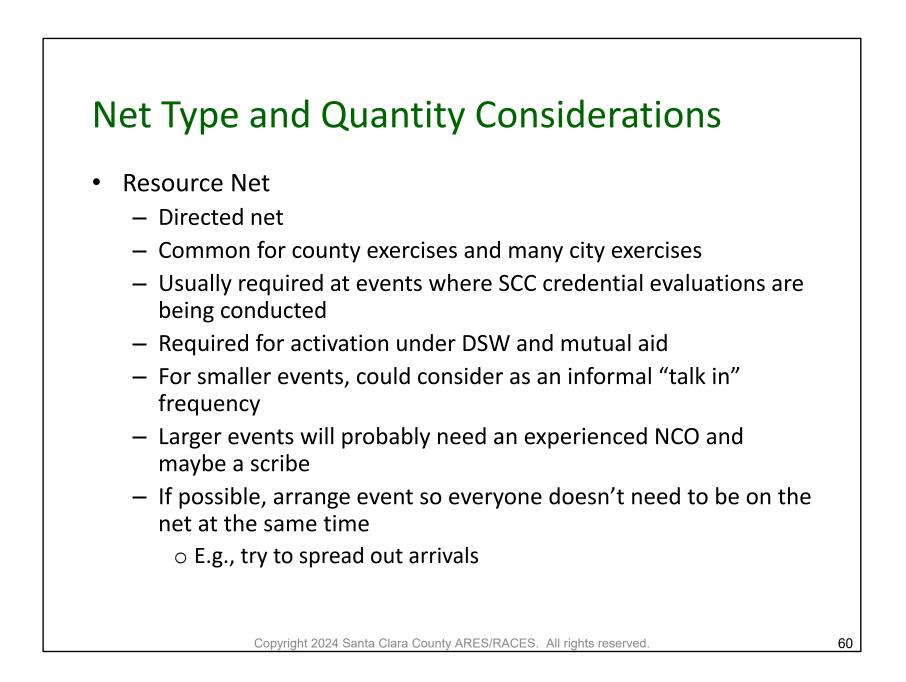
How might the contents of the message influence your choice? We'll review and discuss during the class.

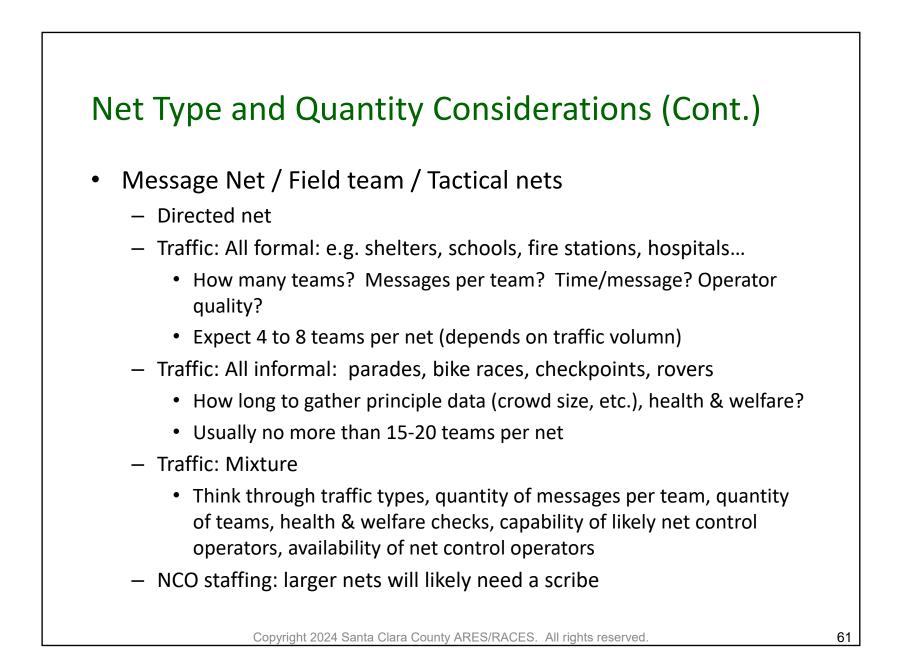
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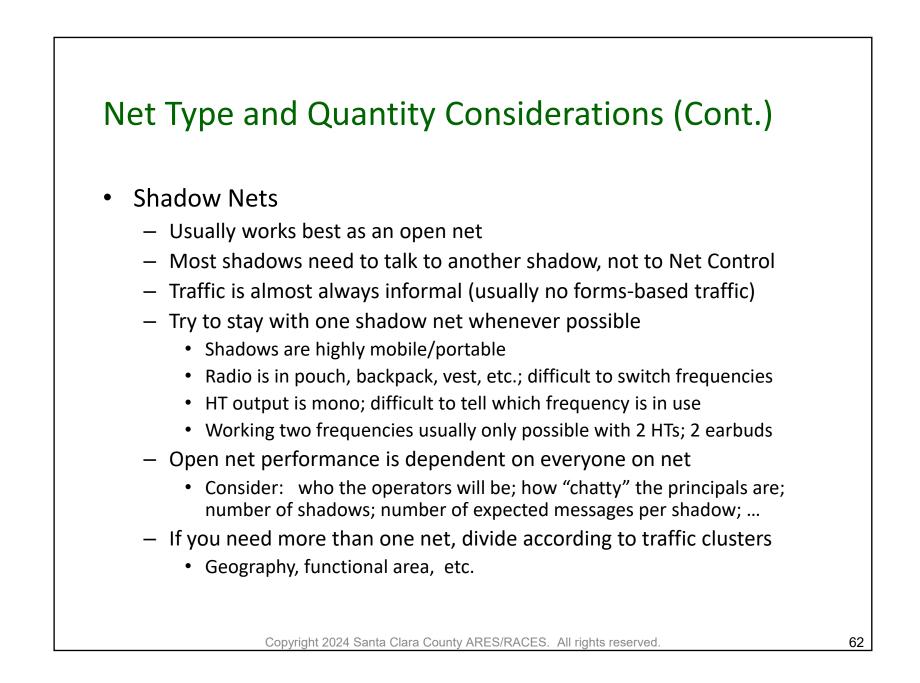


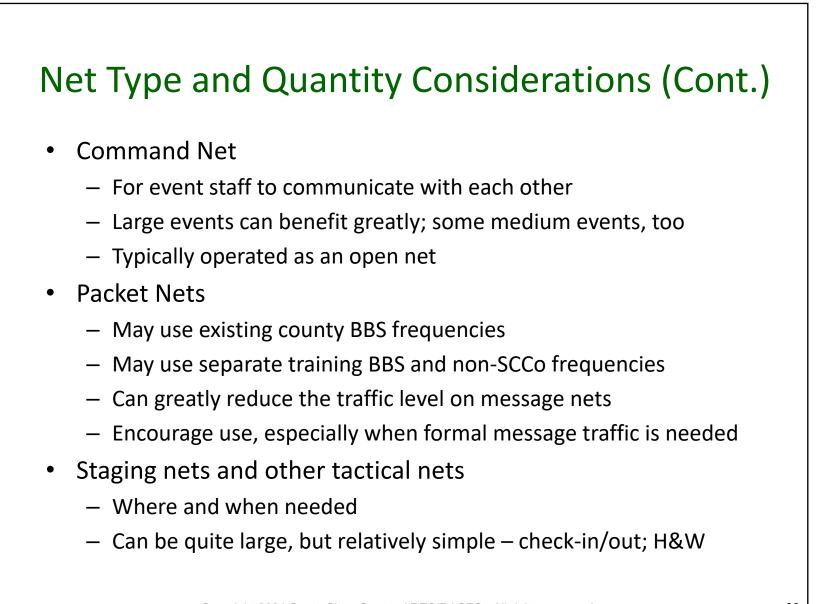












### Review: ICS 205 – Communications Plan

	MUNICATIONS PLAN ARES/RACES/ACS	1. Incident Name/Location Countywide RACES	S/CERT Exercise, M	offett Field	2. Activation XSC-18-		3. Operation From Date From Time	: 10/27	
4. Comm	nunications Resources								
Ch #	Function	Call Sign and/or Sys / Net / Ch / TG Name	Assignment	Rx <u>Freq_N</u> / W	Rx Tone or NAC	Tx <u>Ereq_N</u> /W or + / - / S	Tx Tone or NAC	Mode A,D,M	
	Emergency	9-1-1	All event staff and participants	Telephone		Telephone		M	For actual emergencies, first call 9- 1-1. Then report the situation to Net Control, prefacing your message with "THIS IS NOT A DRILL."
	Resource	AA6BT Resource Net Primary	RACES resources traveling to or from the drill site	146.115 W		+	100.0	A	Directed Net. Link to N6NAC. Link repeaters at 0600. Unlink after finished tracking departing resources (~1600). Frequency open to non-participant use during low resource net utilization.
	Resource	W6ASH (UHF) Resource Net North	RACES resources traveling to or from the drill site	440.800 W		+	100.0	Α	Link to AA6BT
	Resource	N6NAC Resource Net South	RACES resources traveling to or from the drill site	444.625 W		+	110.9	A	Linked from AA6BT

- Function primary function
- Call Sign and/or Net e.g. repeaters call sign, name of the net
- Assignment brief description of how used
- Rx Freq (narrow / wide ), Rx Tone, Tx Freq (N/W), Tx Tone
- Mode <u>A</u>nalog, <u>D</u>igital, <u>M</u>ixed
- Remarks important comments for implementation

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ICS-205 Communications Plan, Net Control Staffing, Dispatch Template

# EVENT PLANNING STRETCH HOMEWORK

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### Stretch Homework

- These remaining homework items are "stretch" items.
- Please complete as much as possible and bring your results and notes to the class for discussion and interaction.

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- Is a fundamental part of event planning and preparation
- A well thought out communications plan should list:
  - Primary tactical resources for each net: e.g. simplex frequency, repeater with split, PL tone, tone squelch, etc.
    - Tactical nets. Examples: Field, Shadow, Tactical 1, etc.
    - Ideally nets should be listed "directed" or "open"
  - Backup/Alternate resources for each primary net
  - Resource Net repeaters and any required linking (if to be used)
  - Other communication resources:
    - BBS stations and frequencies
    - Dedicated frequencies for event use: e.g. Fox transmitters, beacons, APRS (if used), etc.
  - Helpful, makes it more complete:
    - Direct dial numbers for local police and fire
    - Mobile phone numbers for primary staff

	UNICATIONS PLAN	1. Incident Name/Location	of Lights 2021	2. Activation	3. Operational Period Date/Time From Date: 11/28/2021 To Date: 11/28/2021					
		Los Altos Festival of Lights 2021				XSC-21-08T			0 Hrs To Time: 2200 Hrs	
. Comr	nunications Resources	Call Sign and/or						1		
Ch #	Function	Sys / Net / Ch / TG Name	Assignment	Rx Freq N / W	Rx Tone or NAC	Tx Freq N/W or +/-/S	Tx Tone or NAC	Mode A,D,M		
	Resource Net	AA6BT Repeater W6ASH Repeater N6NAC Repeater		146.115 + 440.800 + 444.625 +		146.715 445.800 449.625	100 PL 100 PL 110.9 PL	A	Repeaters will be linked	
	Parade Tactical	K6LOS Repeater		146.940 -	None	146.340	**	A	** Use your assigned PL tone	
	Tactical Backup 1	(Simplex)		146.595 (S)	None	146.595 (S)	**	A	**Use your assigned PL tone	
	Tactical Backup 2	(Simplex)		147.435 (S)	None	147.435 (S)	**	A	** Use your assigned PL tone	
	Shadow Net	K6LOS Repeater		441.525 +	None	446.525	**	A	** Use your assigned PL tone	
	Shadow Net Backup	W6ASH Repeater		145.270 -		144.670	100 PL	A		
	Phone	Event IC	650-823-9433						Art Whipple	
	Phone	Event IC Alt	650-823-3265						Jim Clark	
	al Instructions enable Tone Squelch (i	nput tone or receive tone) o	n your radio for any of th	ne local parade frequ	uencies.	1	1	1	1	
	6.Prepared b	y (Communications Unit Lea	der)			7.Prepared Date/Ti	me		8. Page	
		ple – WA3AW				11/20/2021			1 of 1	

#### Sample: Oct 2021 RACES Comm Drill (page 1/3)

сом	MUNICATIONS PL	1. Incident Name/Location			2. Activation		3. Operational Period Date/Time From Date: 10/09/2021 To Date: 10/09/2021			
	ARES/RACES/A	Countywide Communication	Exercise	XSC-21	-07T	From Time: 08:00 To Time: 14:00				
Com	nunications Resourc	Edith Morley Park, Campbell			I				· · · · · · · · · · · · · · · · · · ·	
1		Call Sign and/or			Rx Tone	Tx Freq N/W	Tx Tone	Mode		
Ch#	Function	Sys / Net / Ch / TG Name	Assignment	Rx Freq N/W	or NAC	or +/-/S	or NAC	A,D,M		
	Resource N	et W6ASH	Resource Net North	440.800	100.0	+		A	Listen-Only at the drill site	
	Resource N	et AA6BT	Resource Net Main	146.115	100.0	+		A		
	Resource N	et N6NAC	Resource Net South	444.625	110.9	+		A		
	Resource N	et K6SNY	Resource Net (South) Alternate	443.275	107.2	+		A	Backup to N6NAC, not normall linked	
	Tactical		Tactical Net 1	145.430	s			A	Repeater Output W6MLP Milpit	
	Tactical		Tactical Net 2	146.490	s			A		
	Command Sta	ff	Command Net	441.000	s			A		
	Evaluation Us Only	e	Type 2 Eval Net	445.050	s			A	Repeater Input – Must use LOWEST power setting	
	Staging		Staging Net	146.475	s			A		
	Emergency Phone	Campbell PSAP	Emergency	911 or 408-378-8161					After calling 911 inform NCO and/or IC on Command Net	
	al Instructions WEST possible po	wer setting on all radios, except	for W1XSC, W2XSC W4	XSC Packet BBS fre	equencies					
100	S 205	ed by (Communications Unit Lea	der)			7.Prepared Date/Tir	me		8. Page	
		eas Ott, K6OTT (ADEC	and <u>NetControl</u> Pla	nner)		V4 10/06/202	21 21:40	)	1 of 3	
		uctions. All channels are shown a	s if programmed in a base	station, mobile or po	rtable radio.	Repeater stations r	nust be prog	ramme	d with the Rx and Tx reversed.	
S 205-S	SCCo ARES/RACES/	ACS (rev. 2018-Jul-09) Copyright 20								

	IUNICATIONS PLAN ARES/RACES/ACS	1. Incident Name/Location Countywide Communication	Exercise	2. Activatio XSC-21	3. Operation From Date From Time	te: 10/09/2021 ïme: 14:00				
. Comm	unications Resources	Edith Morley Park, Campbell			1	1				
Ch#	Function	Call Sign and/or Sys / Net / Ch / TG Name	Assignment	Rx Freq N/W	Rx Tone or NAC	Tx Freq N/W or +/-/S	Tx Tone or NAC	Mode A,D,M	F	Remarks
	Packet BBS	W1XSC	W1XSC-1 2m	145.750		s		D		
	Packet BBS	W1XSC	W1XSC-1 1.25m	223.620		s		D		
	Packet BBS	W1XSC	W1XSC-1 70cm	433.570		s		D		
	Packet BBS	W2XSC	W2XSC-1 2m	145.730		S		D		
	Packet BBS	W2XSC	W2XSC-1 1.25m	223.560		s		D		
	Packet BBS	W2XSC	W2XSC-1 70cm	433.590		s		D		
	Packet BBS	W4XSC	W4XSC-1 2m	145.690		s		D		
	Packet BBS	W4XSC	W4XSC-1 1.25m	223.600		s		D	Also used for	BBS forwarding
	Packet BBS	W4XSC	W4XSC-1 70cm	433.550		s		D		
	Packet Voice		Packet Op voice net	446.475		s		A	Repeater inpu possible powe	ut, use LOWEST er
	I Instructions WEST possible power	setting on all radios, except	for W1XSC, W2XSC or W	4XSC Packet BBS	frequencies	;	1	1		
ICS	6.Prepared by	y (Communications Unit Lead	der)			7.Prepared Date/Ti	me			8. Page
		Ott, K6OTT (ADEC a	and NetControl Plan	ner)		V4 10/06/202	21 21:40	)		2 of 3

#### Sample: Oct 2021 RACES Comm Drill (page 2/3)

COMN	UNICATIONS PLAN	1. Incident Name/Location			2. Activation		3. Operation From Date:		iod Date/Time /2021 To Date: 10/09/2021
	ARES/RACES/ACS	Countywide Communication Edith Morley Park, Campbell		XSC-21	-07T	1	From Time: 08:00 To Time: 14:00		
. Comm	unications Resources	Edit Money Fark, Campbell							
Ch #	Function	Call Sign and/or Sys / Net / Ch / TG Name	Assignment	Rx Freq N/W	Rx Tone or NAC	Tx Freq N/W or +/-/S	Tx Tone or NAC	Mode A,D,M	
	Packet BBS	W3XSC	W3XSC-1 2m	144.310		s		D	
	Packet BBS	W3XSC	W3XSC-1 1.25m	223.540		S		D	
	Packet BBS	W3XSC	W3XSC-1 70cm	433.450		S		D	
	Backup		Backup Simplex 1	147.810		S		A	Repeater input – MUST use LOWEST power
	Backup		Backup Simplex 2	146.745		S		А	
	Backup		Backup Simplex 3	146.460		s		A	IMP @ AA6BT-out, W6PIY-220, W1XSC-220
	Backup		Backup Simplex 4	440.150		s		A	Repeater input W6TDM Cupertino
	Backup		Backup Simplex 5	445.500		s		A	Repeater input – MUST use LOWEST power
	Backup		Backup Simplex 6	447.050		s		A	Repeater input – MUST use LOWEST power; also use for cross-band 70cm simplex side
Crossband		W6PIY	Crossband Repeating	147.390	151.4	+		A	Use for cross-band 2m "county" repeater side
	I Instructions WEST possible powe	r setting on all radios, except	for W1XSC, W2XSC or W	4XSC Packet BBS	frequencies	1	1		1
	6.Prepared	by (Communications Unit Lea	der)			7.Prepared Date/Tir	ne		8. Page
	RACES Andrea	s Ott, K6OTT (ADEC	and <u>NetControl</u> Plan	ner)		V4 10/06/202	21:40	)	3 of 3
See	e last page for instructi	ons. All channels are shown a	s if programmed in a base s	tation, mobile or po	rtable radio.	Repeater stations r	nust be prog	ramme	d with the Rx and Tx reversed.
	CCo ARES/RACES/ACS			•		-	. 0		
2 200 0									

# And always - the back page

Communications Plan, Adapted for Santa Clara County ARES/RACES/ACS

Purpose: The Communications Plan (ICS 205) provides information on all radio frequency or trunked radio system talkgroup assignments for each operational period. The plan is a summary of information obtained about available radio frequencies or talkgroups and the assignments of those resources by the Communications Unit Leader or Incident Commander for use by incident responders.

Preparation: The ICS 205 is prepared by the Communications Unit Leader or other individual designated by the Incident Commander. Distribution: The ICS 205 is provided to all incident responders.

#	Block Title	Instructions
1	Incident Name/Location	Enter the name assigned to the incident and, optionally, the location of the incident.
2	Activation Number	Enter the activation number assigned to the incident, otherwise leave blank if none.
3	Operational Period Date/Time	Enter the start date (mm/dd/year) and time (24-hr clock) and the end date and time for the operational period to which the form applies.
4	Communications Resources	Enter the following information about radio channel use:
	Ch#	Use at your discretion. Channel number (Ch #) may equate to channel numbers in pre- programmed incident radios, used as reference numbers on the ICS 205 document, or left blank for recipient use.
	Function	Enter the ICS or local function for which this channel will be used (Operations, Command, Logistics, Resource, Tactical, Emergency, etc.)
	Call Sign and/or Sys / Net / Ch / TG Name	Enter the call sign of the repeater or station (if appropriate) and the system, net, channel or talkarcup name by which this channel is commonly known.
	Assignment	Enter the individual(s), group(s), or function(s) that will be the primary users of this channel.
	Rx Freq N / W	Enter the Receive Frequency (Rx Freq) as the mobile or portable subscriber would be programmed, followed by "N" for <u>narrrowband</u> or a "W" for wideband emissions. For HF, include USB or LSB, as appropriate.
	Rx Tone or NAC	Enter the Receive Continuous Tone Coded Squelch System (CTCSS) subaudible tone (Rx Tone) or Network Access Code (Rx NAC) for the receive frequency as the mobile or portable subscriber would be programmed.
	Tx Freq N / W or + / - / S	Enter the Transmit Frequency (Tx Freq) as the mobile or portable subscriber would be programmed, followed by "N" for <u>narrowband</u> or a "W" for wideband emissions. For HF, include USB or LSB, as appropriate. Alternatively, for repeaters using standard amateur frequency offsets (e.g. 800 Hz for 2m, 5 MHz for 70cm), enter "+" or "-" as appropriate. Enter "S" if Rx Freq represents a simplex frequency.
	Tx Tone or NAC	Enter the Transmit Continuous Tone Coded Squelch System (CTCSS) subaudible tone (Tx Tone) or Network Access Code (Tx NAC) for the transmit frequency as the mobile or portable subscriber would be programmed.
	Mode A,D,M	Enter "A" for analog, "D" for digital, or "M" for mixed mode operations. If needed, enter specific mode type (D-Star, DMR, etc.) in Remarks.
	Remarks	Enter miscellaneous information related to the channel.
5	Special Instructions	Enter any special instructions or other emergency communications needs.
6	Prepared By (Comm Leader)	Enter the name and FCC call sign of the person preparing the form.
7	Prepared Date/Time	Enter date prepared (mm/dd/year) and time prepared (24-hr clock).
8	Page	Enter the page number and number of pages.

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- Create an ICS-205 for a simulated event
  - Event name: Simulated April-Day Market Street Parade
  - Activation number: XSC-22-04SP (yes, the date is a few years ago, use this date)
  - Operational period: 4/9/2022, 08:00 to 13:00, parade runs from 10:00 to 12:00
  - Agency/City: SJC RACES, San Jose, somewhere in San Jose [note \*\*]
  - Nets:
    - 1. County Resource Net for mobilization and demobilization travel tracking
    - 2. Parade Tactical for 15-20 "eyes and ears" checkpoints and crowd estimate
    - 3. Shadow Net for 6-10 principles, 2-3 are key and very active
  - Use Herman Munster as the event IC
  - Create "a well thought out communications plan"
  - Bring your filled-out ICS-205 to class for review. Mark up with any notes while in class. Show to staff before checking-out, but take it home with you.

NOTE \*\*: Simulated SCCo ARES/RACES credential event participation credit will be available for this event.

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you	<ul> <li>Control Planning questions. During the class time. Be prepared to volunteer r draft plan and rationale for staffing needs. Assume you can get all volunteers ded. Suggestion is to use a spreadsheet format, include at least:</li> <li>Overview personnel count, credential types, roles, and shifts: <ul> <li>Resource Net</li> <li>Parade Tactical</li> </ul> </li> </ul>
2.	<ul> <li>Shadow Net</li> <li>What else do you need to make sure is done by the DEC/ADEC or SJC RACES staff?</li> </ul>
	e: much of an actual plan gets developed as part of an event planning team. s is just a stretch exercise to explore and discuss some of the basics.
	e: Print it, make any notes during class time. Show to staff before checking- , but take it home with you.

	gnment/Dispatch Template Briefing.
•	<u>Try</u> filling out a dispatch template form.
	https://www.scc-ares-races.org/operations/docs/SCCo Res Net Dispatch Template rev2010-07-08.pdf
	We will discuss the form during class. (yes, the form is old but still works, updates in progress)
•	Additional information, include the following.
	<ul> <li>RACES Staging location: N.E. Corner, Parking Lot, 60 West San Carlos, SJC</li> </ul>
	<ul> <li>Assume location is well placard'd for RACES volunteers, e.g. where to go for staging</li> <li>IC briefing for all staff at 09:00</li> </ul>
•	Assume all volunteers have received an information packet in email well prior to the event
	— What are the key things they need to know on the day of the event?
No	te: Print it, make any notes during class time. Show to staff before checking-
	, but take it home with you.

### Homework Preparation Checklist

Homework Items to bring to class:
Completed homework: Message Prioritization
Completed homework: Net Manager / Traffic Manager
Stretch homework: ICS-205 communications plan
Stretch homework: Draft event staffing plan
Stretch homework: Draft assignment and dispatch template
Start an ICS 214 SCCo ARES/RACES Unit Activity Log before you leave home for class. Use the simulated activation number XSC-23-5TC. Complete the form during class. Have it checked at the end of class. Make any corrections. Turn the form in before signing out on the ICS-211A. <u>Turning in a a correct and completed ICS-214 is required for class credit.</u> Reminder: follow the examples in the self-paced ICS0214 video at: <u>https://www.scc-ares-races.org/training/ar-courses.html</u>
Other Items
If needed, print your credential wallet card. Cards expire(d) end of January.
If needed, check SCCo go-kit forms for any updates and update personal go-kit
<ul> <li>If needed, review your scc-ares-races.org "My Profile" -&gt; "My Contact Info"</li> <li>Updated any information – also AlertSCC information.</li> <li>Check the box following "I have reviewed the information on this page"</li> <li>Pressed "Save Changes"</li> <li>Note: please try to do this at the beginning of every year and when there are changes to your contact information</li> </ul>

