

Radio Merit Badge

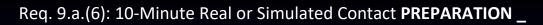


Module 3







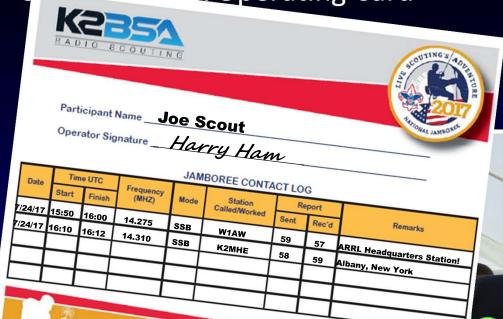


• Use the K2BSA Operating Card





U K2RSA Operating Card



2017 National Scout Jamboree



Req. 9.a.(6): 10-Minute Real or Simulated Contact PREPARATION _

the K2BSA Operating



Participant Name	J00 8-
Operator e:	Joe Scout

Operator Signature Harry Ham

Date	Tim	e UTC	JAMBOREE CONTACT LOG				
7/24/47	Start	Finish	Frequency (MHZ)	Mode	Statio-	Reg	
7/24/17 7/24/17	40.	16:00 16:12	14.275	SSB	Called/Worked W1AW	Sent	
\vdash		10:12	14.310	SSB	K2MHE	59 58	
	\dashv	\dashv		\dashv		36	
	_		\Box	\Box	\longrightarrow		
	100						

2017 National Scout Jamboree

Are you being interfered with? / I am being interfered with Are you troubled by static? / I am troubled by static Is my signal fading? / Your signal is fading Can you acknowledge receipt? / I am acknowledging receipt Can you acknowledge receipt: / ram acknowledging receipt
Can you communicate with ... Directly? / I can communicate with ... Direct What is your position (location)? / My position (location) is ... Looking for contacts (example: "CQ CQ from K2BSA")

Signal Reports, RS; R=1-5, Readability; S=1-9 Signal Strength

Suggested Discussion Topics

Where do you live?

QRM

QRN

QSB

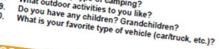
QSL

QSO

QTH

73

- What are your hobbies?
- What ham radio activities do ingage in?
- What are your favorite sport teams?
- Were you (or Are you) involved in Scouting? in what
- What is your favorite thing to do outside of ham radio?
- Do you have any pets? What kind(s)?
- What is your favorite food? 10
- What do you like to do for entertainment?
- Do you take vacation? What is your favorite vacation
- Are you a member of a ham radio club? 13. Where is your home located?
- Have you lived in other states/countries? Which ones?
- What is your favorite TV show? 17.
- Do you do any type of camping? 18.
- 19.
- What outdoor activities to you like?





Alpha Bravo Charlie Delta Echo Eoxtrot Golf Hotel India	Juliet Kilo Lima Mike November Oscar Papa Quebec	Sierra Iango Uniform Victor Whiskey X-ray Yankee Zulu
Pricing.	Romeo	Lulu



"Kilo Two Bravo Sierra Alpha"



- Use the K2BSA Operating Card
- Listen and call another ham radio station



- Use the K2BSA Operating Card
- Listen and call another ham radio station
- Talk with the other radio station operator



- Use the K2BSA Operating Card
- Listen and call another ham radio station
- Talk with the other radio station operator
 - Relax and have fun



- Use the K2BSA Operating Card
- Listen and call another ham radio station
- Talk with the other radio station operator
 - Relax and have fun
 - Give FIRST name ONLY



- Use the K2BSA Operating Card
- Listen and call another ham radio station
- Talk with the other radio station operator
 - Relax and have fun
 - Give FIRST name ONLY
 - Tell where you live





- Use the K2BSA Operating Card
- Listen and call another ham radio station
- Talk with the other radio station operator
 - Relax and have fun
 - Give FIRST name ONLY
 - Tell where you live
 - Describe your school







- Use the K2BSA Operating Card
- Listen and call another ham radio station
- Talk with the other radio station operator
 - Relax and have fun
 - Give FIRST name ONLY
 - Tell where you live
 - Describe your school
 - Talk about Scouting



- Use the K2BSA Operating Card
- Listen and call another ham radio station
- Talk with the other radio station operator
 - Relax and have fun
 - Give <u>FIRST</u> name ONLY
 - Tell where you live
 - Describe your school
 - Talk about Scouting
- Use Q-signals







- Use the K2BSA Operating Card
- Listen and call another ham radio station
- Talk with the other radio station operator
 - Relax and have fun
 - Give <u>FIRST</u> name ONLY
 - Tell where you live
 - Describe your school
 - Talk about Scouting
- Use Q-signals
- Log your contact on card



- Use the K2BSA Operating Card
- Listen and call another ham radio station
- Talk with the other radio station operator
 - Relax and have fun
 - Give <u>FIRST</u> name ONLY
 - Tell where you live
 - Describe your school
 - Talk about Scouting
- Use Q-signals
- Log your contact on card
- Be prepared to talk about it wh



Q-Signals

QRM



Q-Signals

QRN



CONTINUES ADDRESS ADDR

Q-Signals

QRP



Q-Signals

QTH



Q-Signals

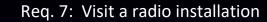
QSL



Q-Signals

QSL





Radio Station Visit: What did you see?

- What is the purpose of the Radio Station?
- What equipment did you see?
- How was the equipment used?
- What types of licenses are required to use the and maintain the equipment?





Req. 9.a.(1): Amateur Radio Service





AMATEUR RADIO SERVICE

Req. 9.a.(1): Amateur Radio Service

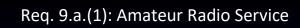








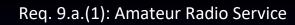


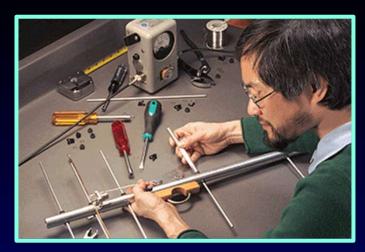






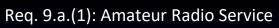






















Basic Operating

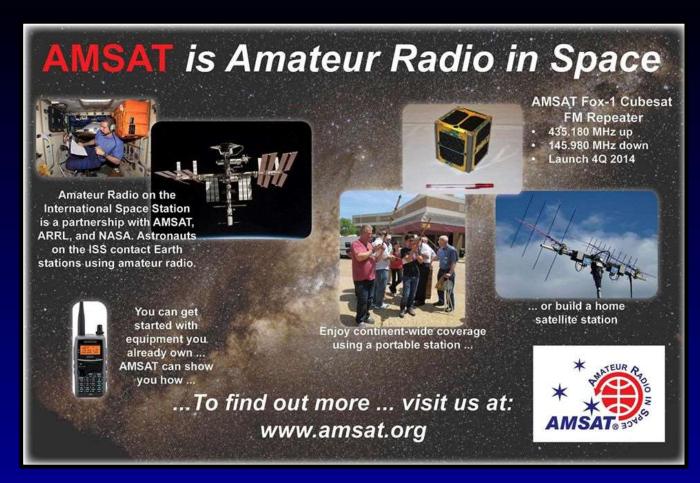


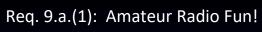


Amateur Radio Direction Finding (ARDF)

"Foxhunting"







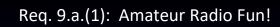


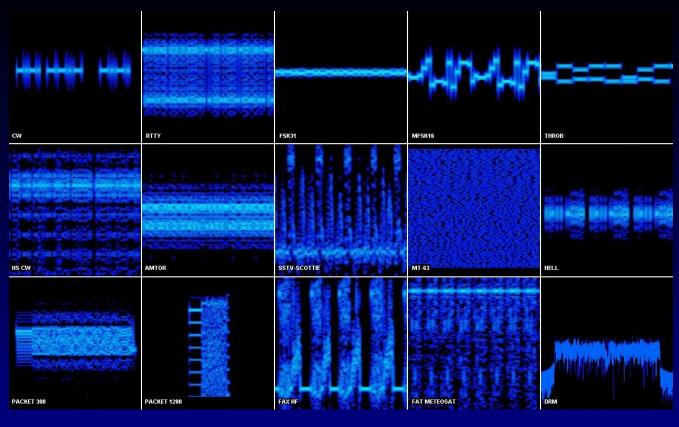












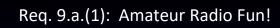


Digital



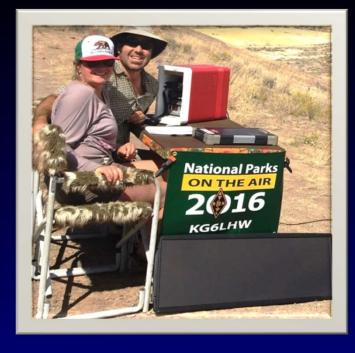


Digital









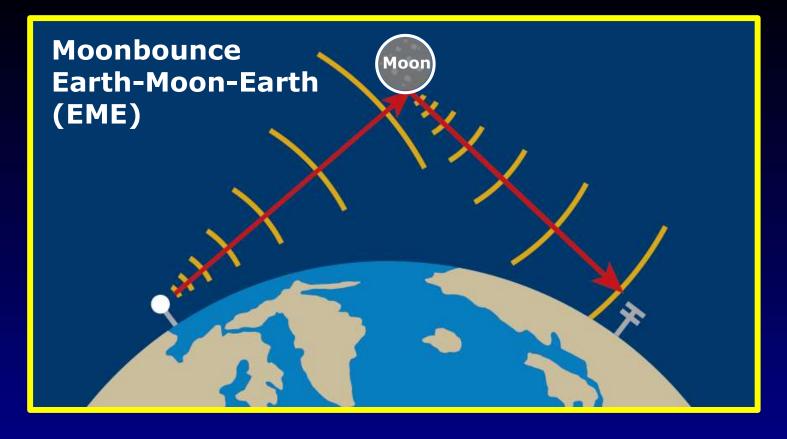


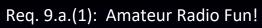


















Req. 9.a.(1): Amateur Radio Fun!





TYPES OF HAM RADIO EQUIPMENT



Base Station Transceiver







Ham Shack (Base Station)





MobileTransceiver

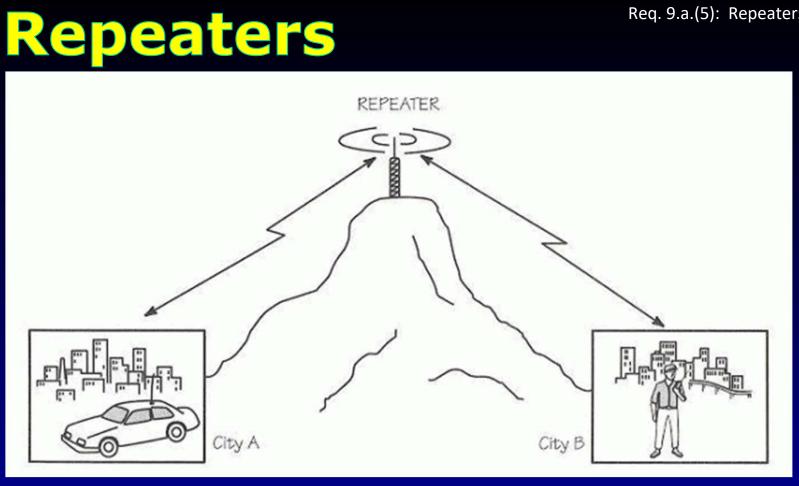




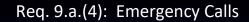
H-T

Req. 9.a.(5): Repeaters



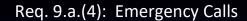








"BREAK-BREAK"





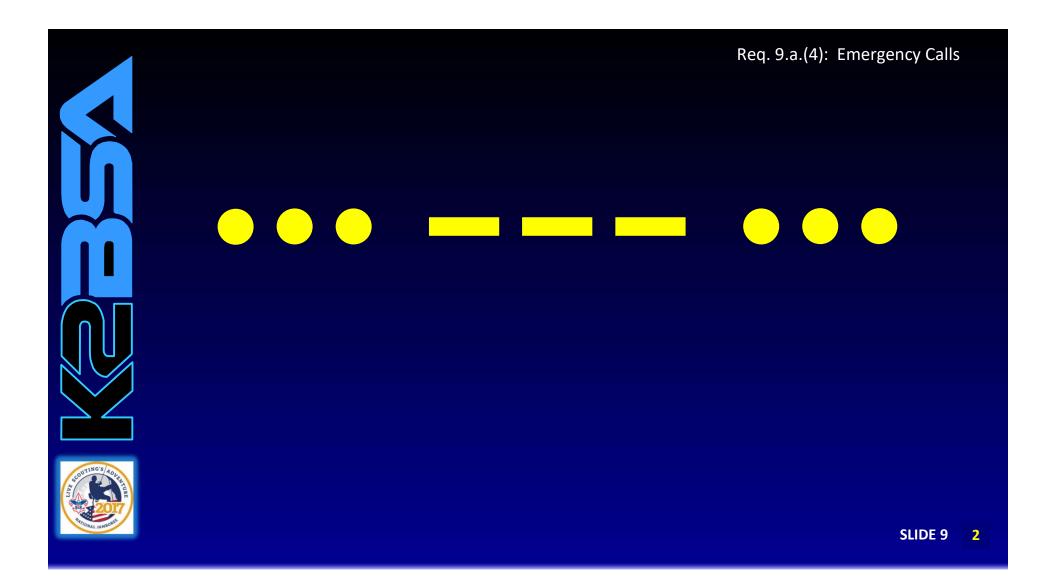
"BREAK-BREAK" "MAYDAY!"

Req. 9.a.(4): Emergency Calls



"BREAK-BREAK"

"EMERGENCY!"



Req. 9.a.(4): Emergency Calls











Req. 6: Electrical Safety

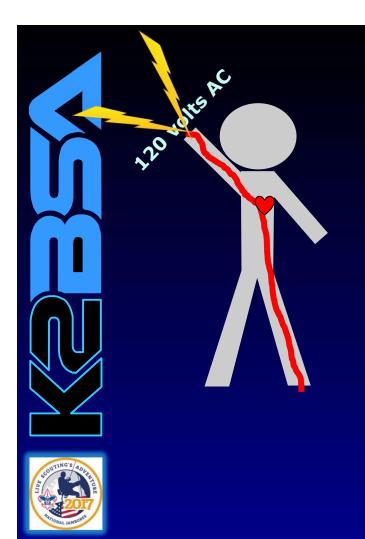
Safety!



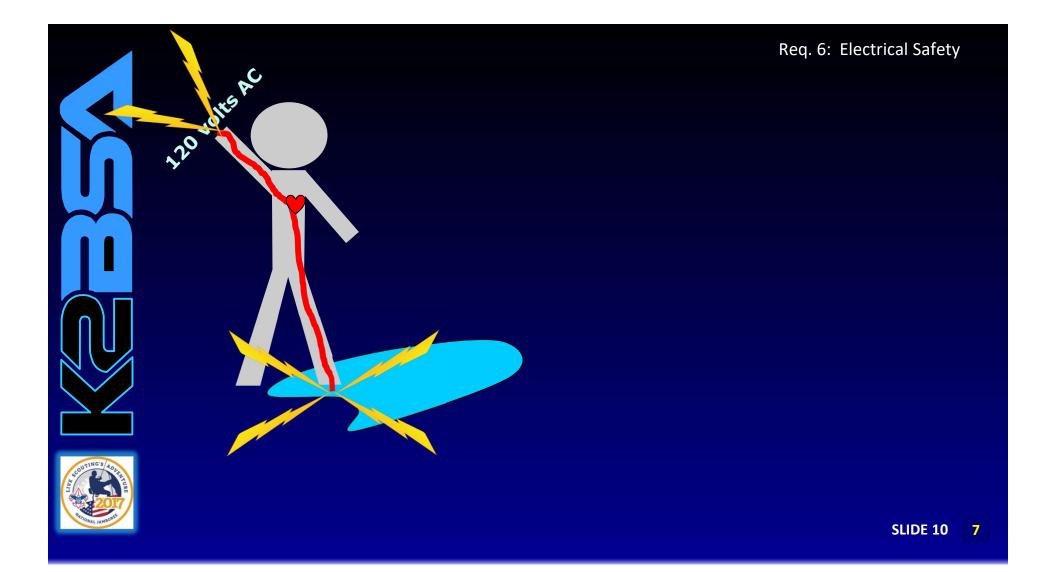
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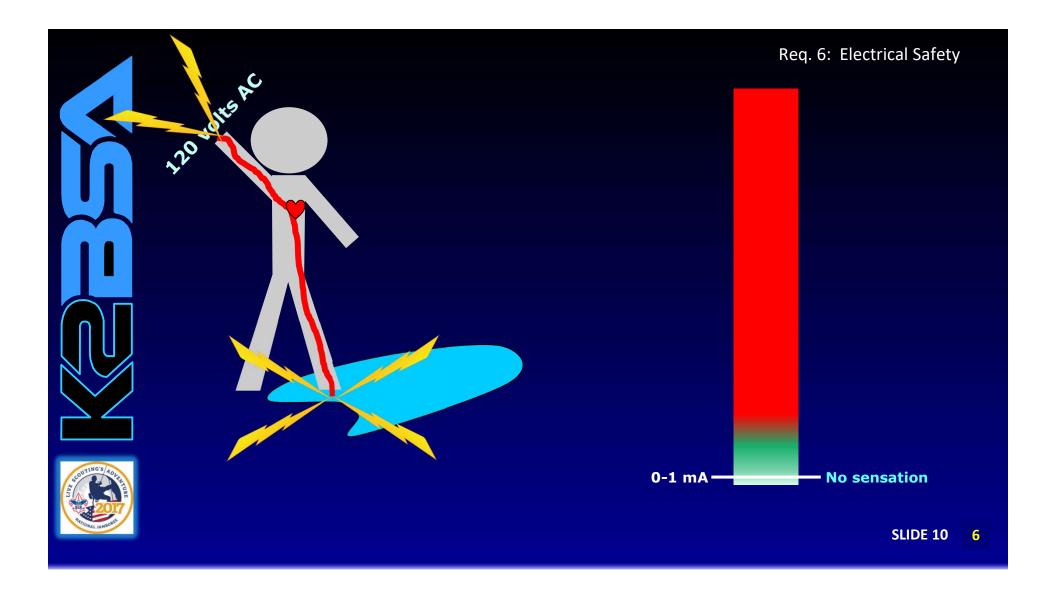


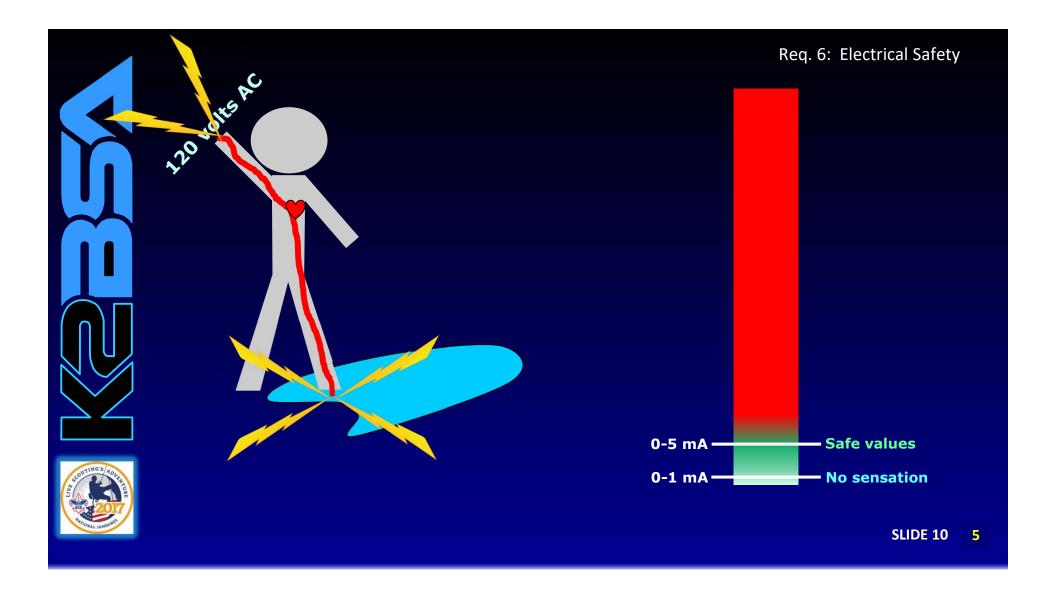
Req. 6: Electrical Safety

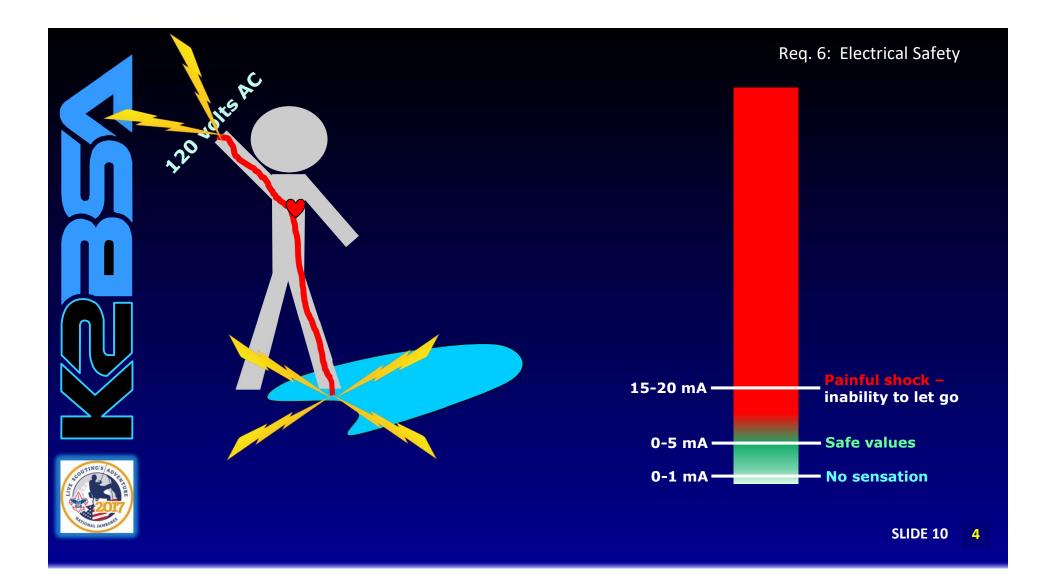


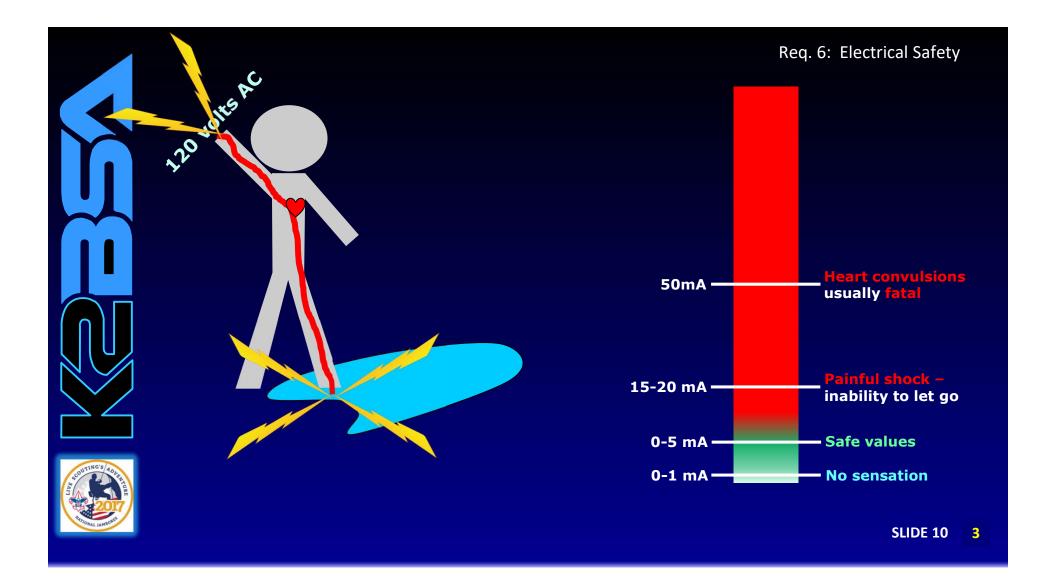
Req. 6: Electrical Safety

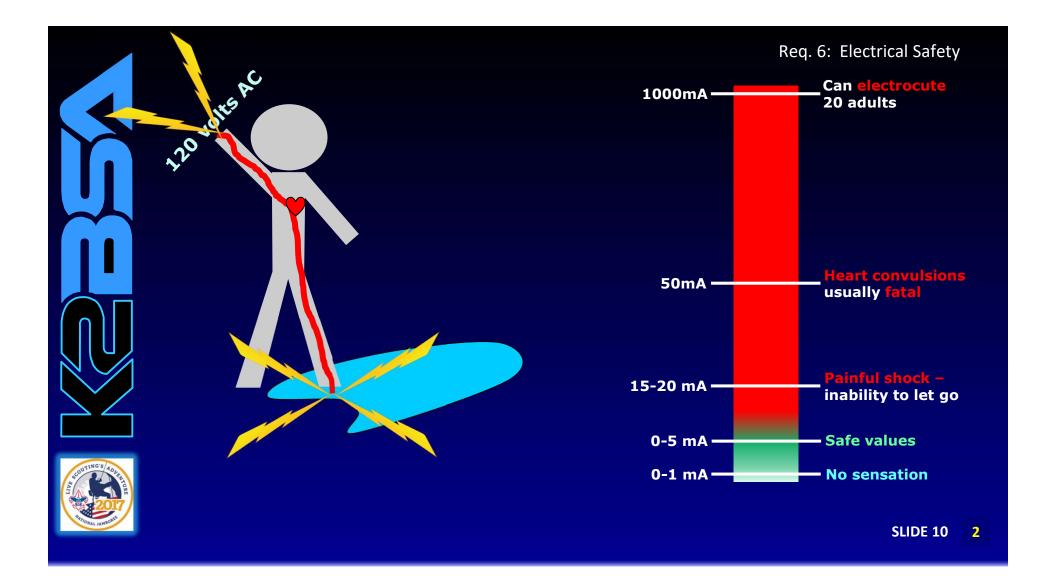


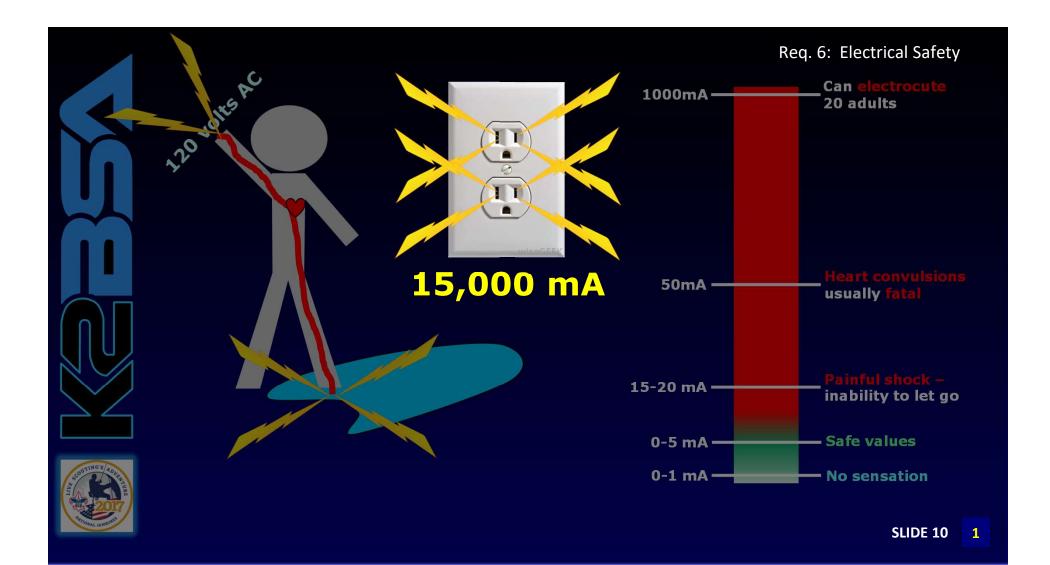










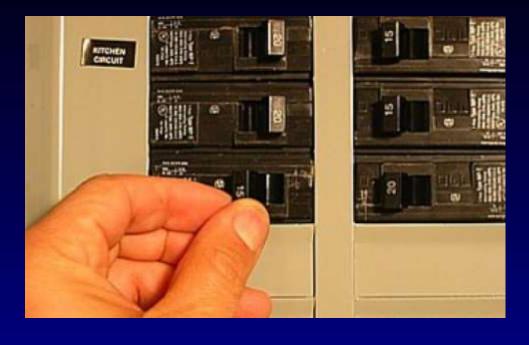


Safety Rules!









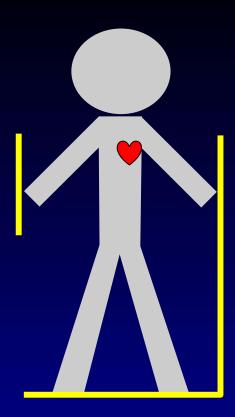




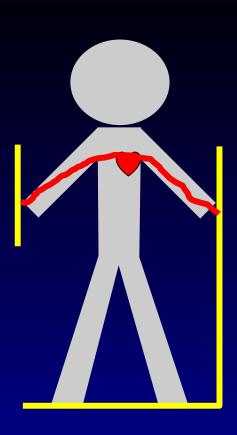




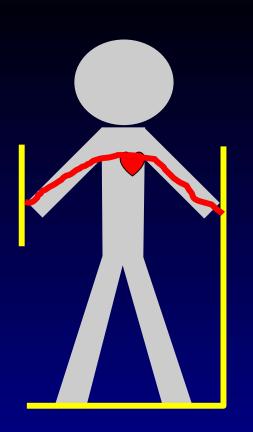


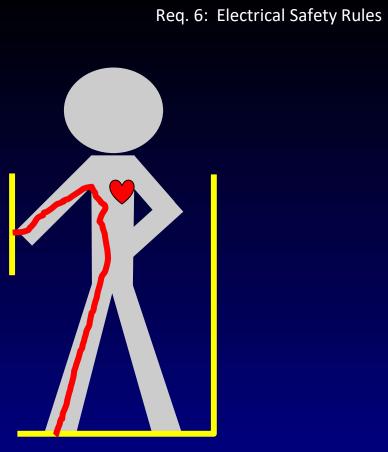














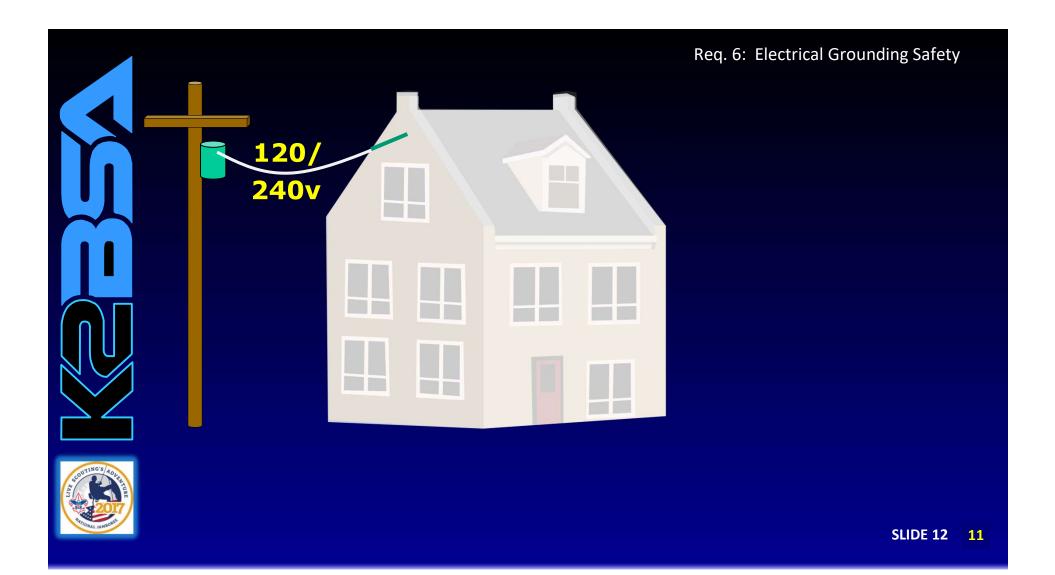
Grounding

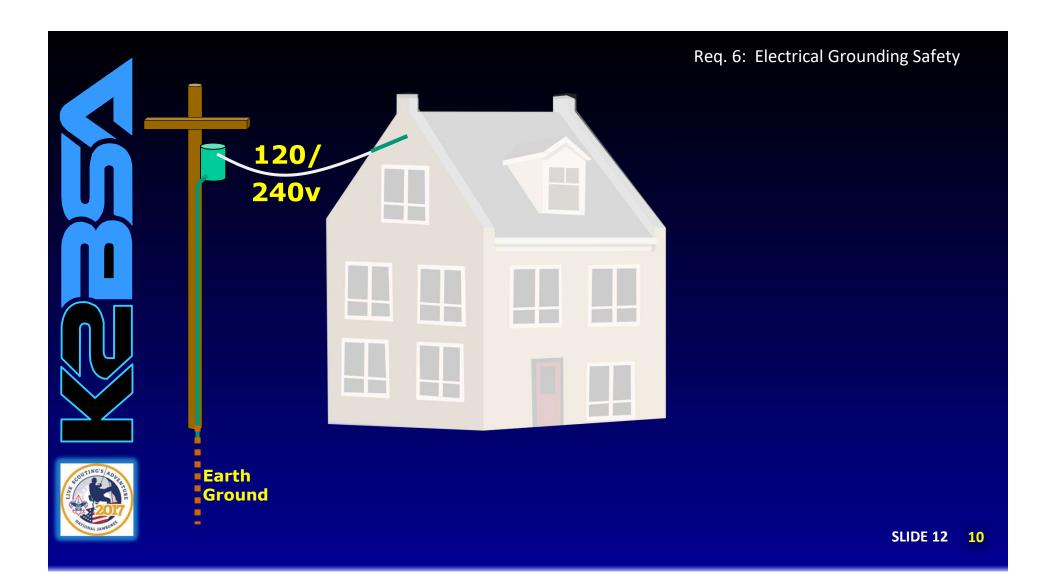


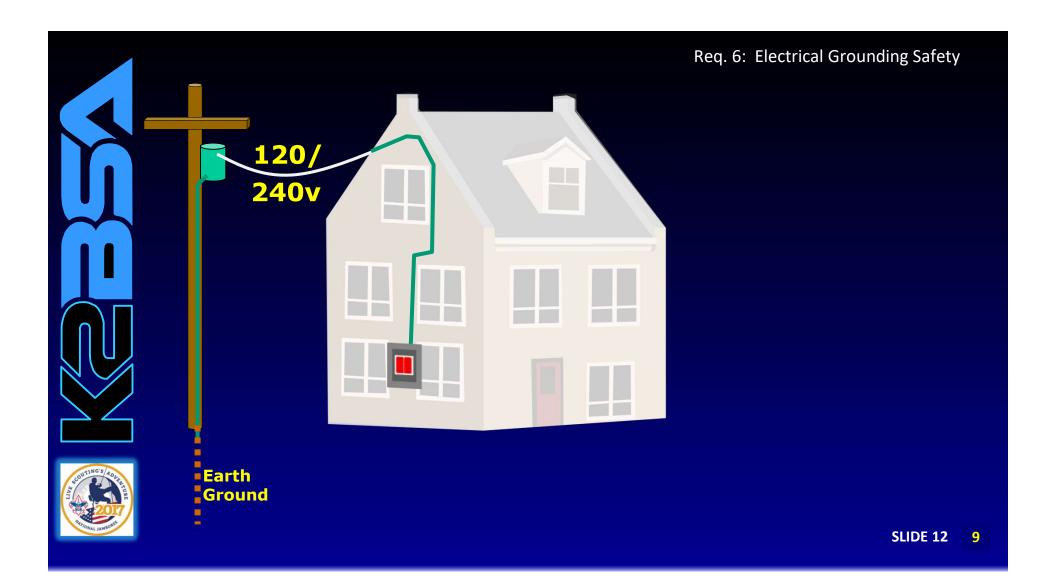
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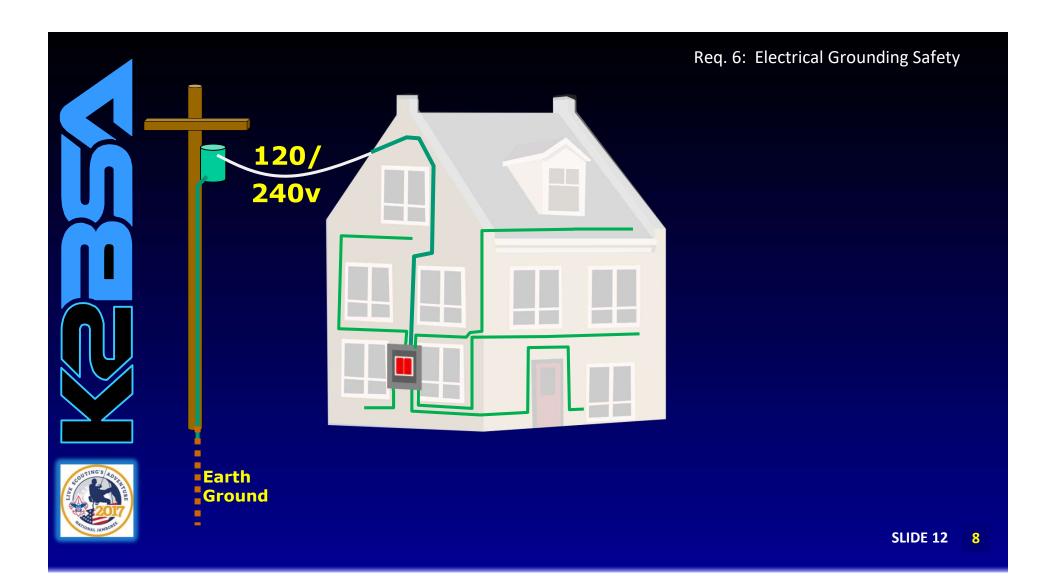


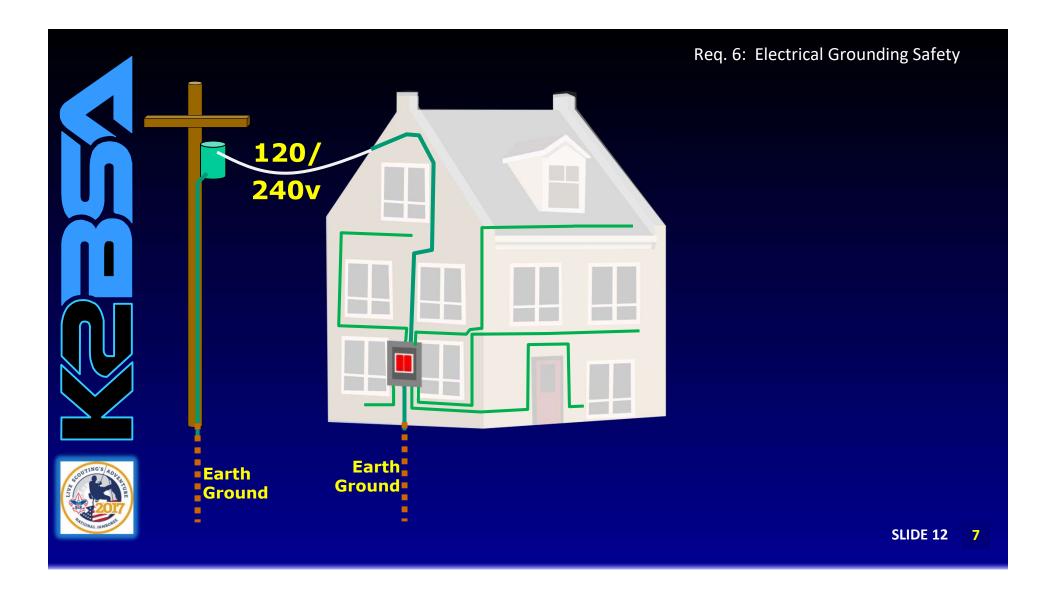
Req. 6: Electrical Grounding Safety

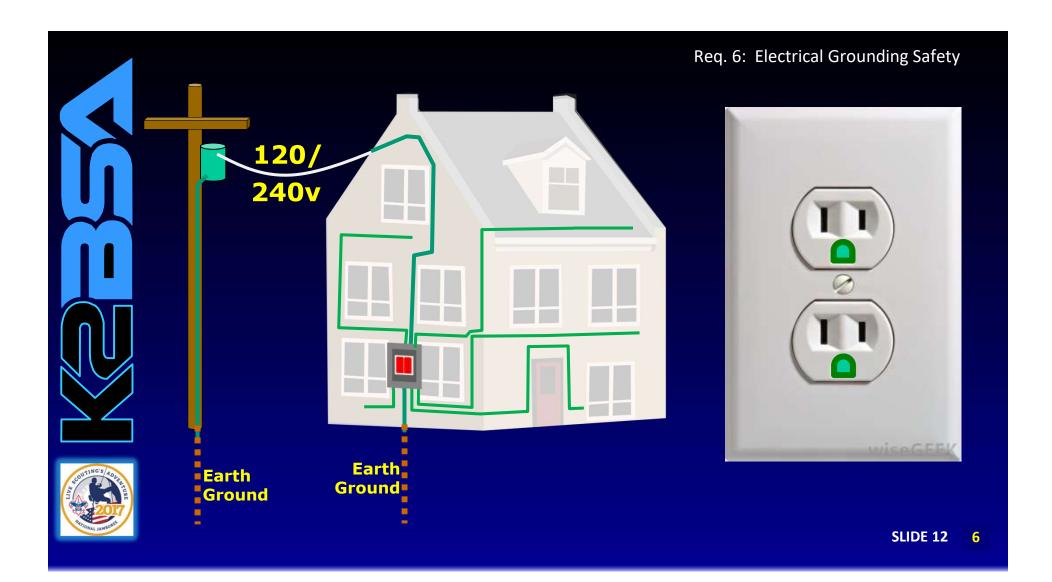


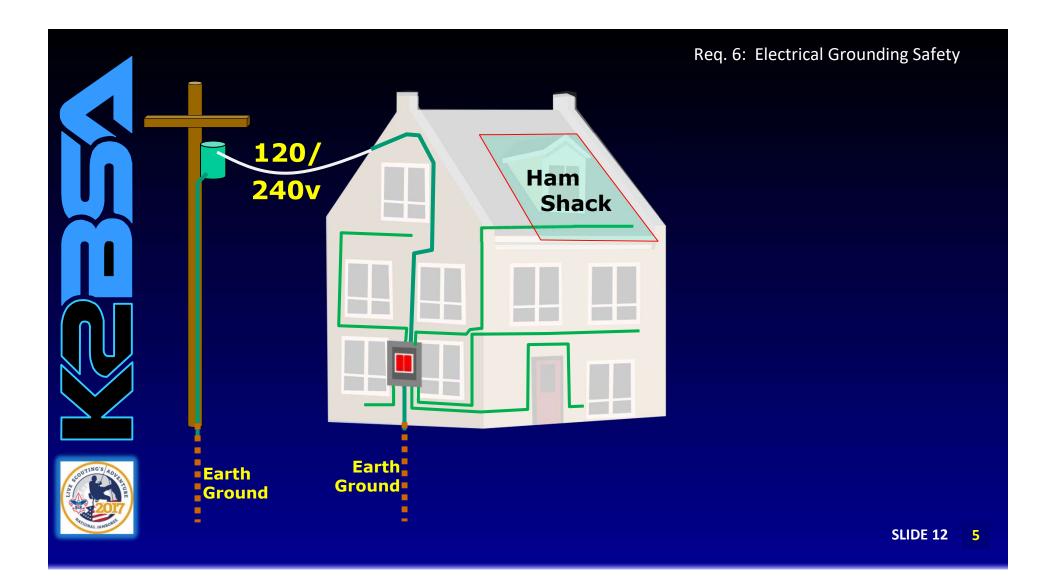


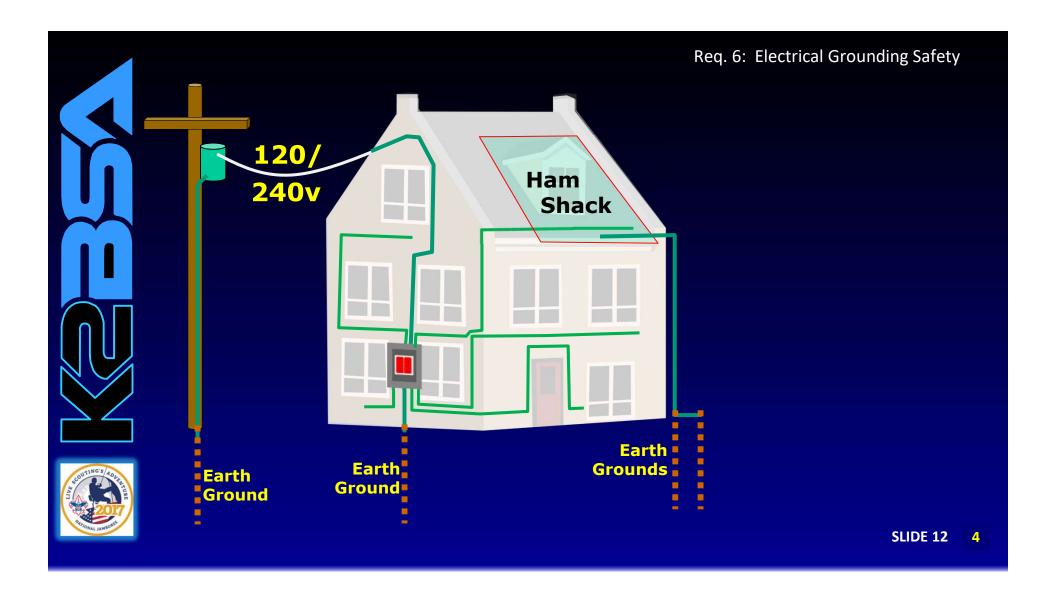


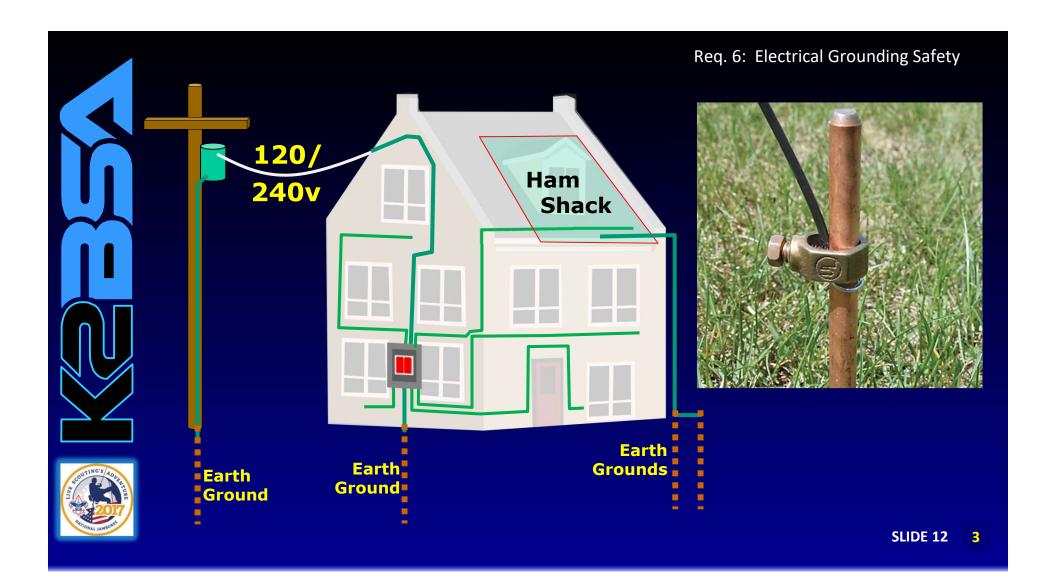


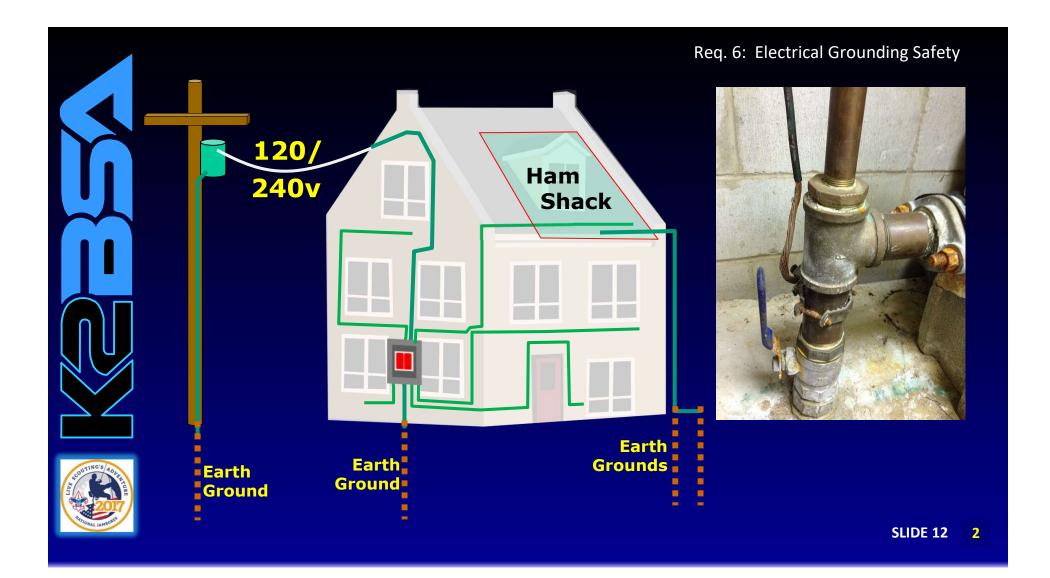


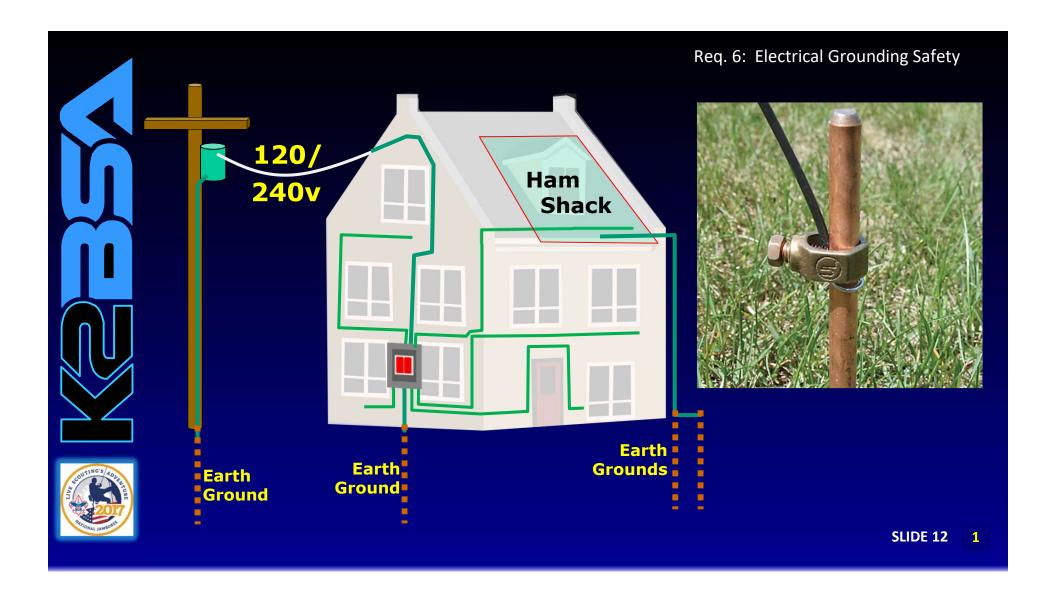




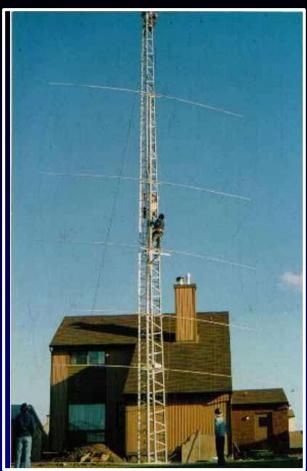












Req. 6: Electrical Safety Rules









Safety in the Radio Shack



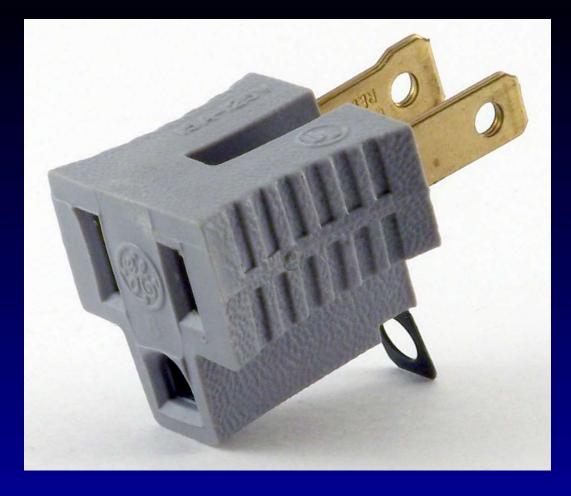
Req. 6: Safety in the Radio Shack

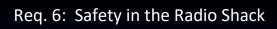






Req. 6: Safety in the Radio Shack





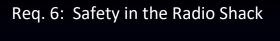


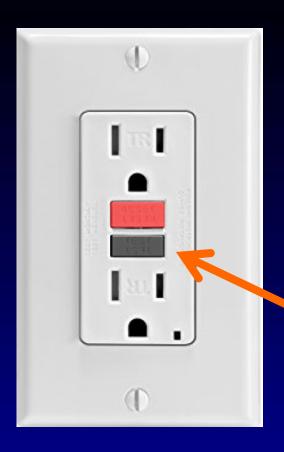






Req. 6: Safety in the Radio Shack

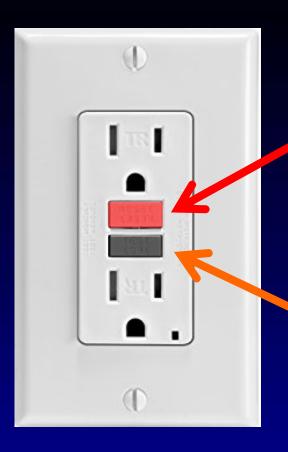




CIRCUIT TEST:

If power stops flowing when this button is pressed then the device is working properly.

STENSES/AGO



CIRCUIT RESET:

Press this button to return the outlet to normal functioning if it has been tripped or after a test.

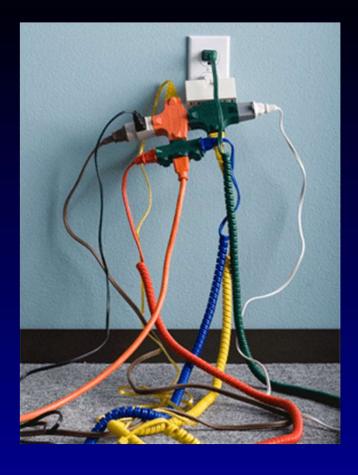
CIRCUIT TEST:

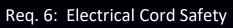
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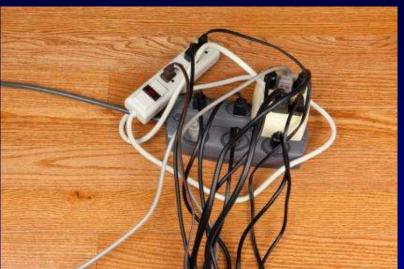
Req. 6: Safety in the Radio Shack



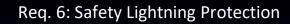


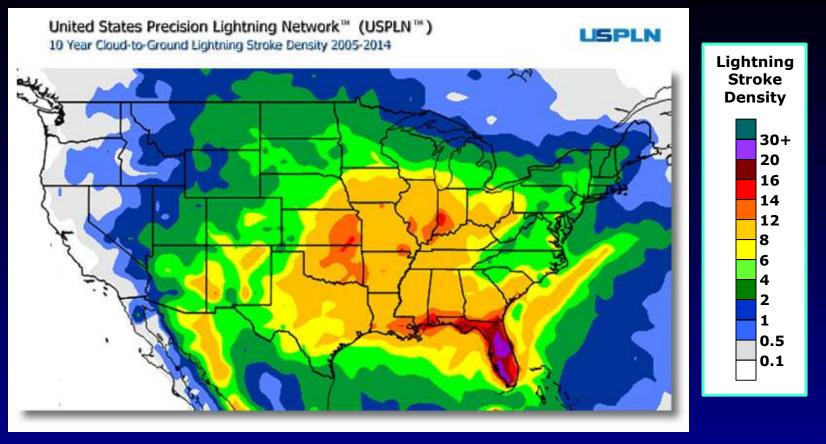


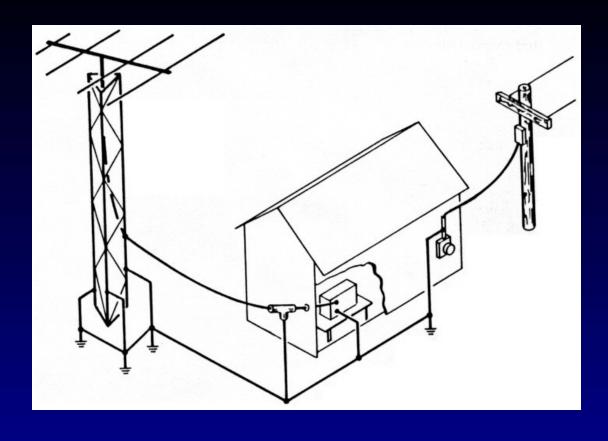


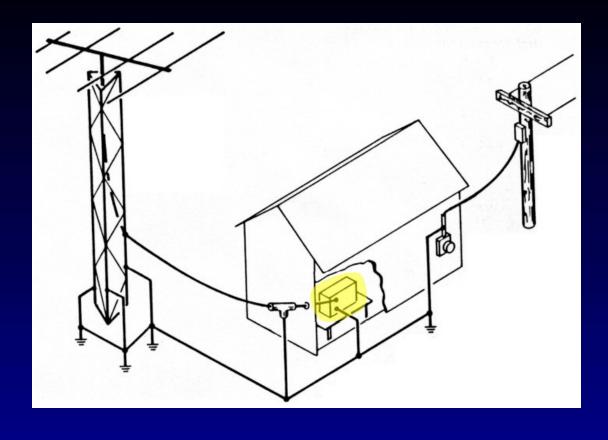


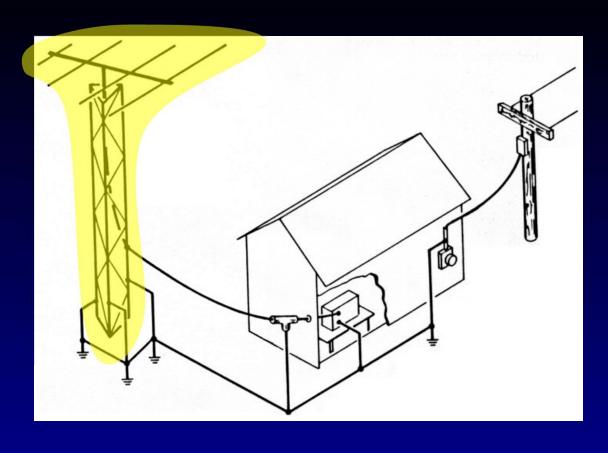
Lightning Protection



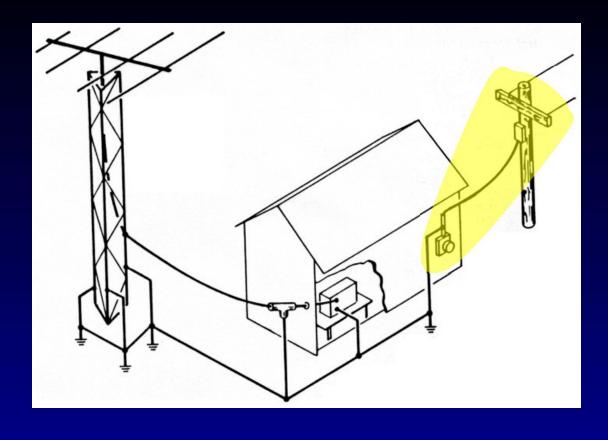


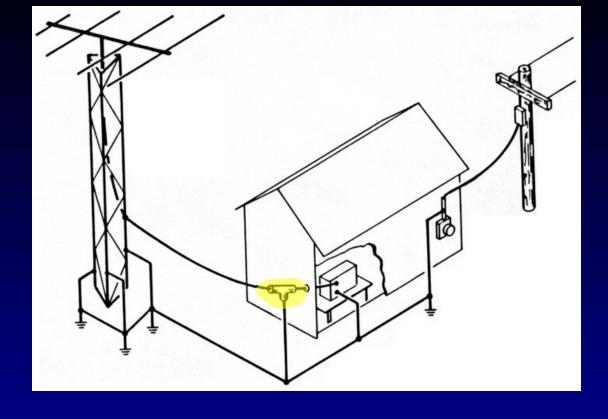


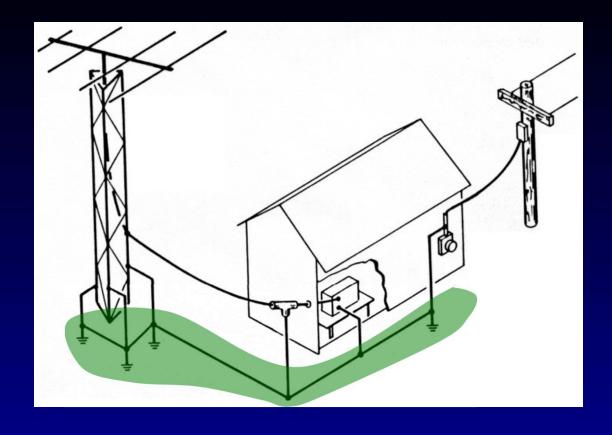




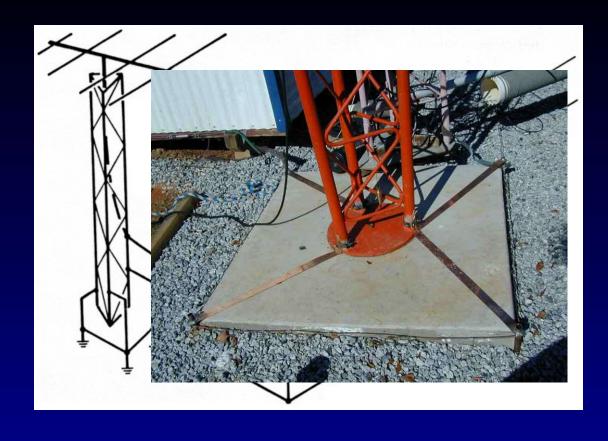












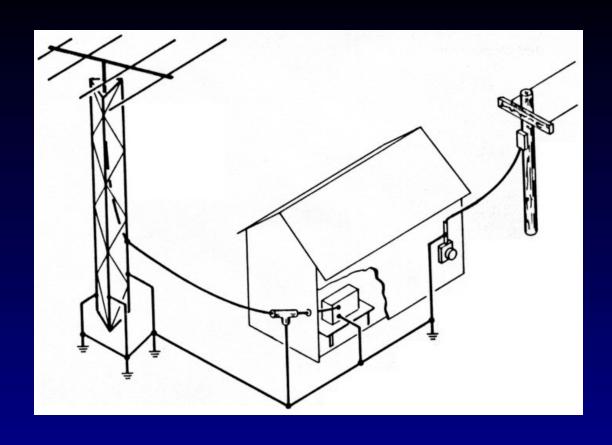






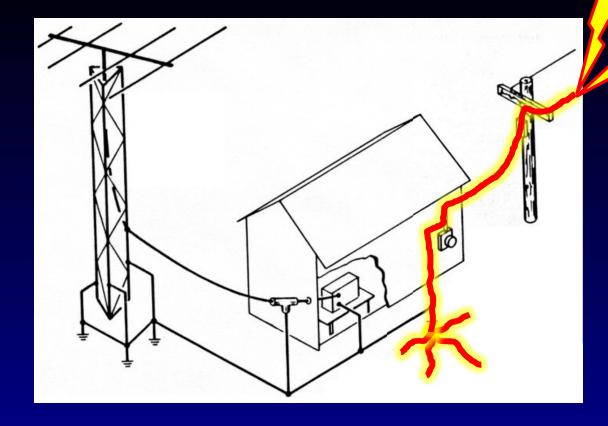




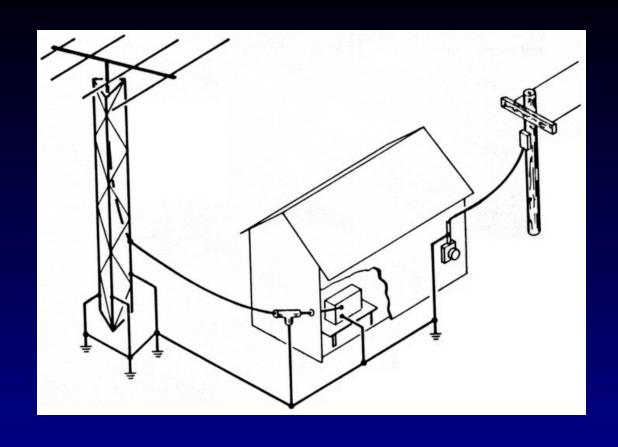






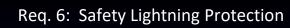




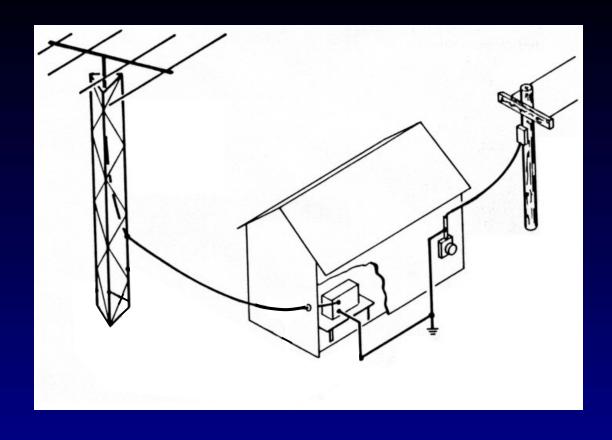




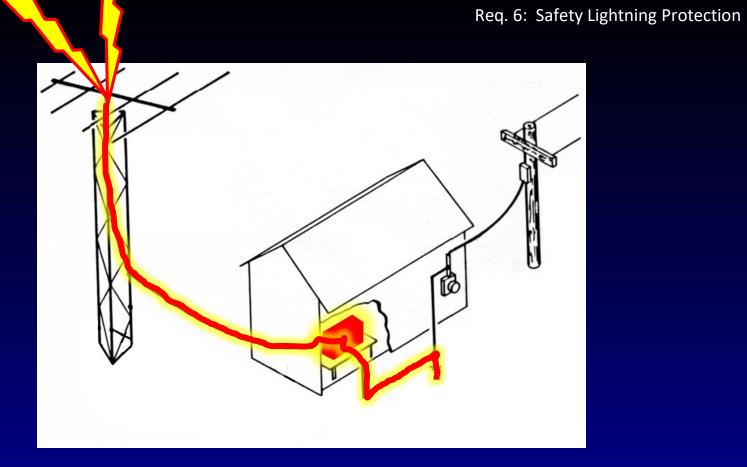




TING 8/40







Req. 6: Direct Current Safety



Req. 6: Direct Current Safety



MANUFACTURER	DIE HARD PLATINUM	NORTHSTAR	ODYSSEY	ОРТІМА
Cranking Amps (CA)	1,050	1,050	1,050	870

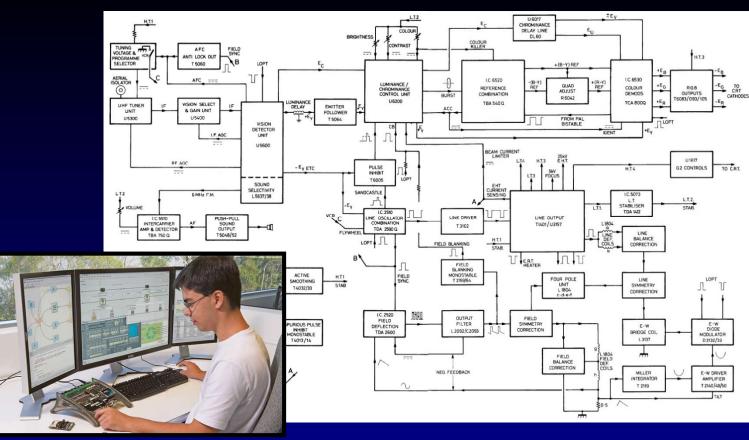




Req 8: Technical Radio Careers

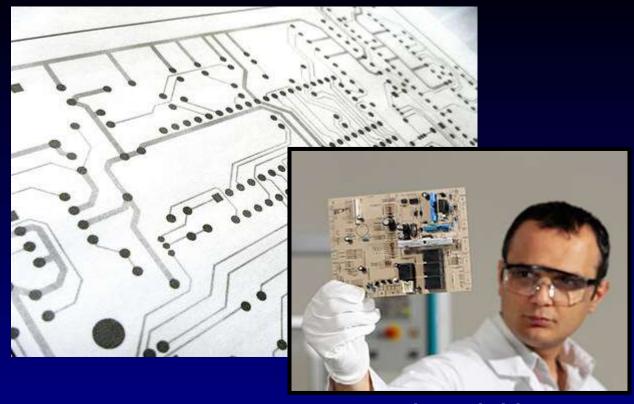
Careers In Radio Technical Opportunities

Req 8: Technical Radio Careers





Design Engineer





Design Technician

Req 8: Technical Radio Careers



Radio Station Engineers



Electronics Technician





Req 8: Broadcasting Careers

Careers In Radio Broadcasting



















Careers In Radio Radio Radio Operating





Req 8: Radio Operator Careers

SLIDE 22







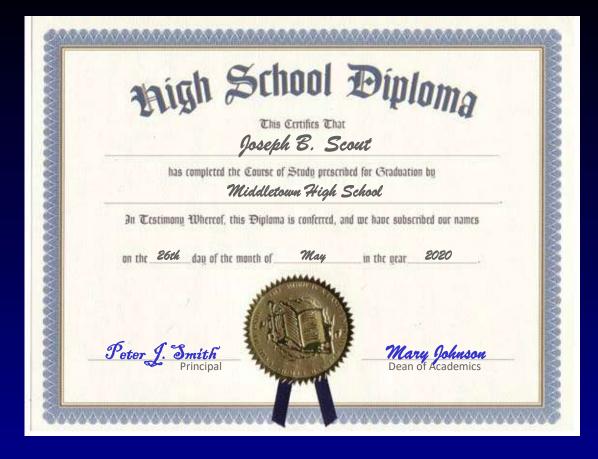






Careers In Radio Education and Experience

Req 8: Education for Radio Careers



Ferris State University



By authority of the Board of Control and upon recommendation of the Faculty has conferred upon

Scott Al. Thede

the degree of

Bachelor of Science in Flectrical/Flectronics Engineering Technology

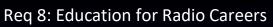
with all the Rights, Honors and Drivileges pertaining to that degree In Witness Whereof, we have affixed hereto our names in the City of Big Rapids, Michigan, this 30th day of July, 1993





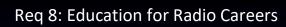












TING'S 40



Req 8: Education for Radio Careers

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Courses

America's Boating Course® Seamanship Engine Maintenance Marine Electronics



Seminars

How to Use a Chart*
Basic Weather & Forecasting**
Using GPS

VHF/DSC Marine Radio

Offered by:
Great South Bay Power Squadron
All courses, seminars, and skill trainings
will be offered in 2017 by GSBPS. Contact
SEO Lt/C James M. Milton, JN at
JamesMilton@GSBPS.org to register!

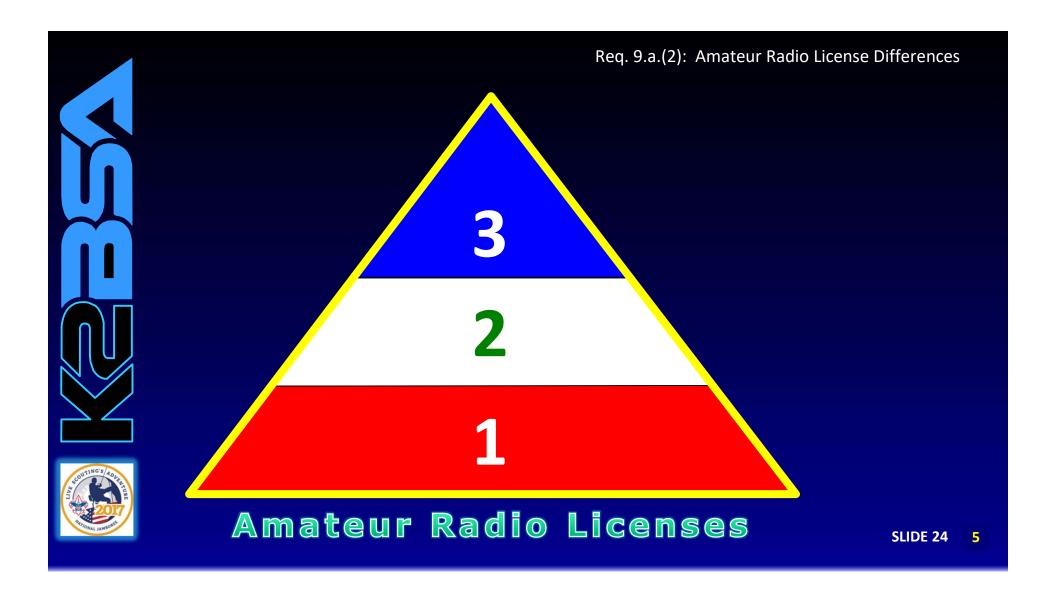
Skills

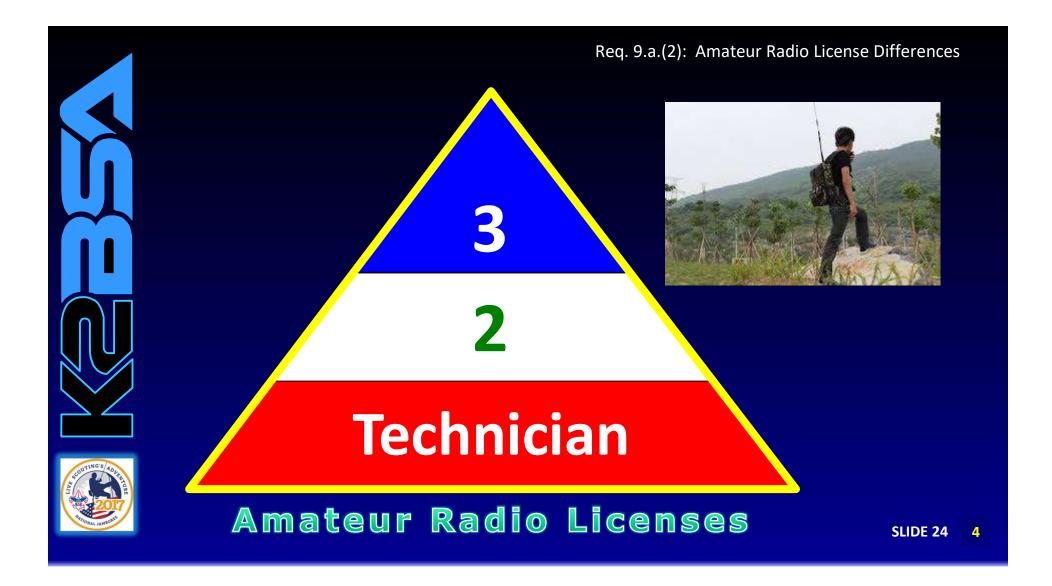
Basic Powerboat Handling Using Fire Extinguishers



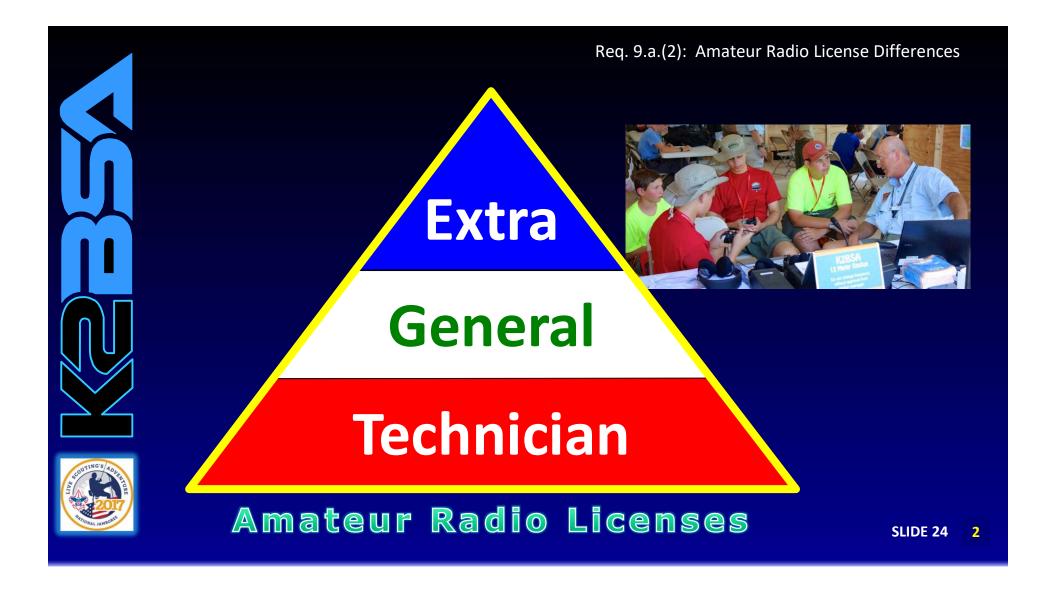
FOR MORE INFORMATION VISIT OUR WEBSITE AT www.GSBPS.org/boc







Req. 9.a.(2): Amateur Radio License Differences General **Technician** Amateur Radio Licenses SLIDE 24



Req. 9.a.(2): Amateur Radio License Differences **Extra** General Testing **Technician** Amateur Radio Licenses **SLIDE 24**



Radio Merit Badge

