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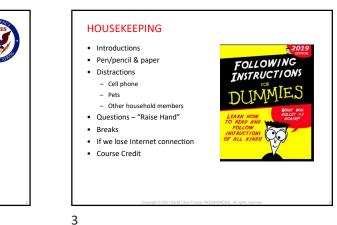
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2021 Year End

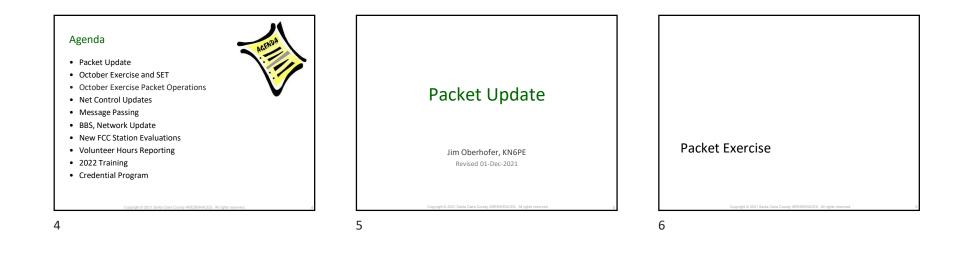
Summary, Update,

Preview

Revised: Dec 11, 2021



1



Correct all the time 96.8% 96.5% 96.6% 95.5% 93.7% 93.2% Unique Ave # of 76 75 30 31 79 75 5		Monday	Tuesday	'21 ttl	'20 ttl	'19 ttl	'18 ttl
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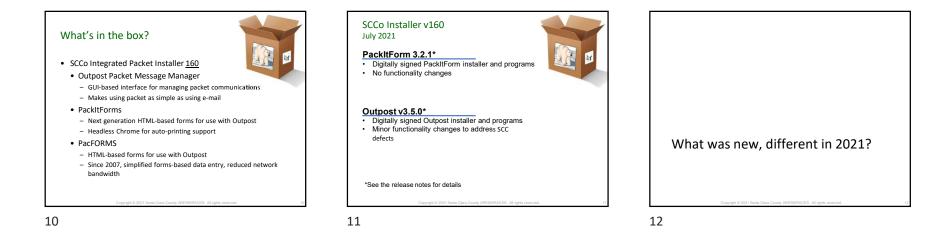
Weekly Packet "Practice"

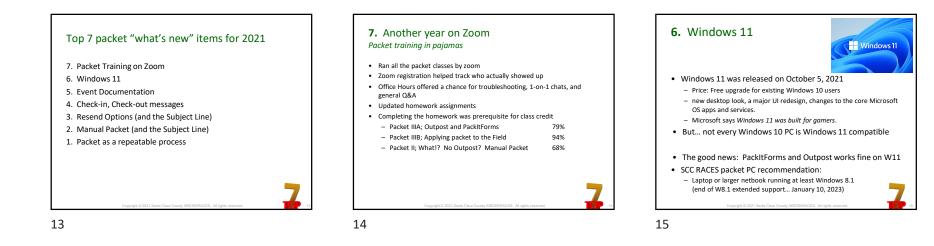
- See the "Standard Packet Check-In/Out Message" App Note under... https://www.scc-ares-races.org/data/packet/index.html#app-notes
- See the Practice Message, Subject section under... <u>https://www.scc-ares-races.org/data/packet/weekly-packet-practice.html#Message</u>

What's new with Outpost and PackItForms

8

9





5. Event documentation Its all about the money



17

- Excerpts from the FEMA | Office of Inspector General report titled "Summary of Key Findings of Fiscal Year 2016 FEMA Disaster Grant and Audits"
- "Over the 7-year period, FY 2009 to 2015, we found \$1.64 billion, or 15 percent, in questioned costs out of the \$10.9 billion that we audited, which we recommended FEMA disallow as ineliable and unsupported costs."
- "In fiscal year 2016, we found \$155.6 million, or <u>23 percent, in questioned costs</u> out of the \$686 million that we audited, which <u>we recommended FEMA disallow as ineligible and</u> <u>unsupported costs</u>."
- In cases where FEMA payments were made and claims later disallowed, recipients would be required to repay these payments, with audits sometimes taking place years later.
- Because your documentation could be a used as part of the City's justification for either an expense reimbursement or cost recovery request, ensuring the accuracy and completeness of what we submit is critical.



Y

FEMA

- Excerpts from the FEMA | Office of Inspector General report titled "Summary of Key Findings of Fiscal Year 2016 FEMA Disaster Grant and Audits"
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18

How does this apply to us?

Your_ARES 10

Hrs / day 12

Days / event 10

not normally budgeted in their job.BUT, it all depends on getting the documentation right.

\$35

13.24 (c) (1)).

completed.

\$/hr

For instance:

· If tracked properly, hours worked volunteering can be reimbursed by FEMA

· The reimbursement rate would depend on the volunteer and the type of work

And... city staff hours are reimbursable if overtime is extraordinary or the work is

· The reimbursement rate could be in the range of \$20 to \$50 / hr (estimate)

under the guidelines for "volunteer labor" (44 Code of Federal Regulations (CFR)

10 # volunteers

\$42,000 Reimbursement

120 Volunteer hours / day

1200 Volunteer hours / event

What can go wrong... a case in point

- From May 1 through May 2, 2010, Tennessee experienced high winds and flooding which resulted in widespread loss of power.
- The disaster forced residents to vacate their homes and to require food and basic housing.
- The Applicant <u>opened a disaster recovery center</u> and <u>staffed it with</u> <u>volunteers</u>.
- The Applicant requested credit toward the calculation of the non-Federal cost share for volunteer labor, donated equipment, and donated materials.
- FEMA initially granted Applicant's request for a \$65,416 credit but later de-obligated \$57,714 because <u>volunteer hours were not properly</u> <u>documented</u>.

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Archiving event documentation

- During a Packet Deployment, you will produce the following:
- 1. ICS 214-SCCo Unit Activity Log
- 2. ICS 309-SCCo Communications Log (if participating on a voice net)
- 3. All third party sent & received PackItForms and plain text messages
- 4. All sent and received operator to operator packet messages
- 5. ICS 309 Communications Log (packet)
- 6. Any Form 1 / hand-scribbled / sticky notes, documentation.
- Applies to exercises and real activations
- When your shift is over, your supervisor will tell you what to do, such as:
 Submitting all documentation (to whom and how)
 - Preparing the packet station for the next use (archiving your shift)

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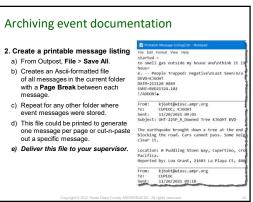
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Event documentation



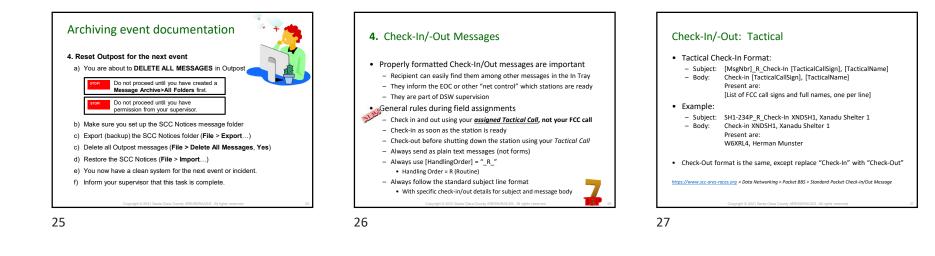
- The job is not done until the paperwork is complete, archived, and submitted.
 - Every scrap of paper used during an activation is part of the event or incident and goes to the Documentation Unit (or your Supervisor)
 - It must be legible (print)
 - Use one side only
 - These are legal documents that may be needed to defend decisions
 - Most of this documentation is 'discoverable'
 - If it is not in the documentation, then it did not happen
 - Some documentation is specifically created after the event or incident, such as the After Action Report
- · And, all this applies to our packet operations

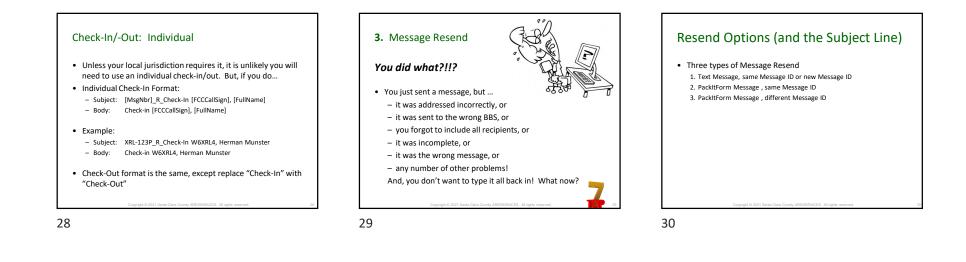
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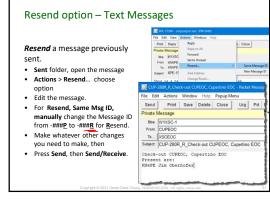


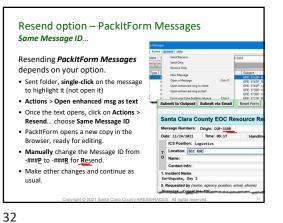


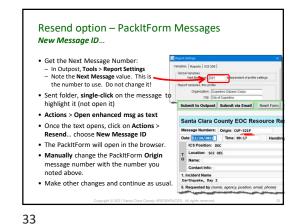
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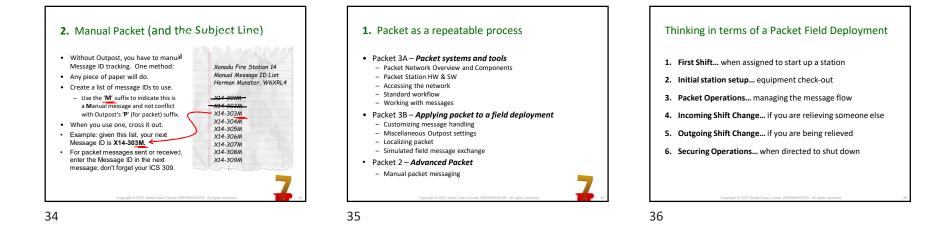


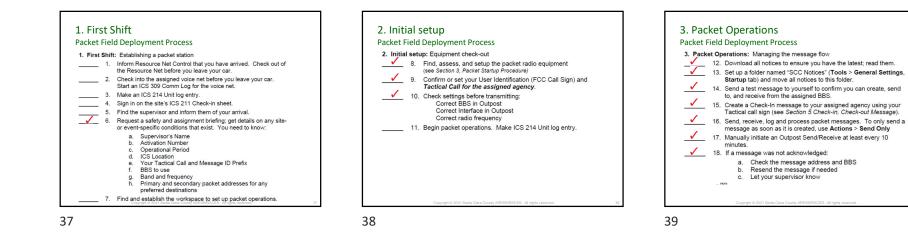


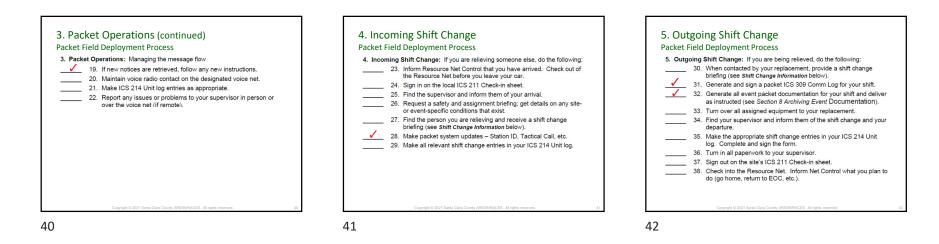


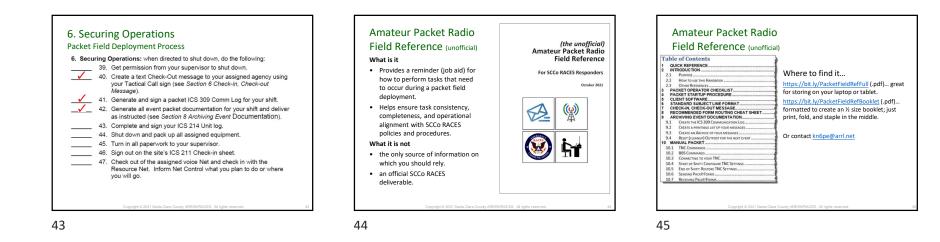


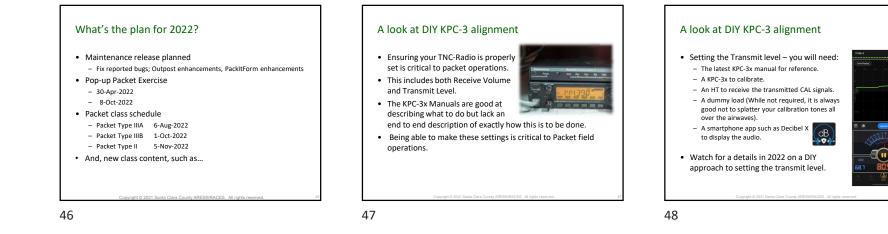


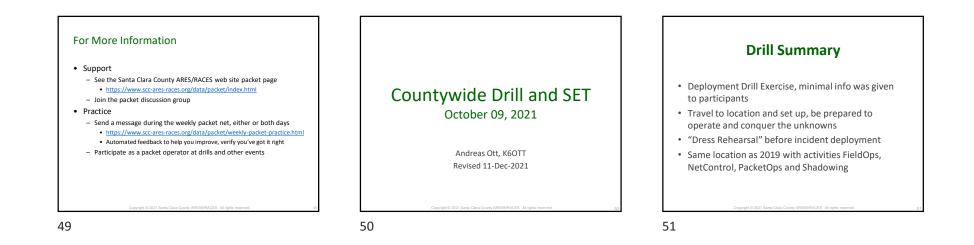


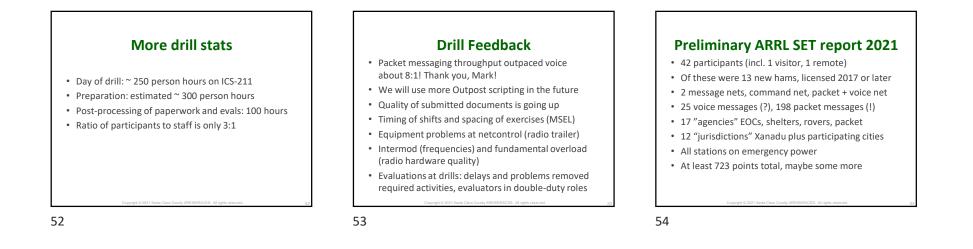


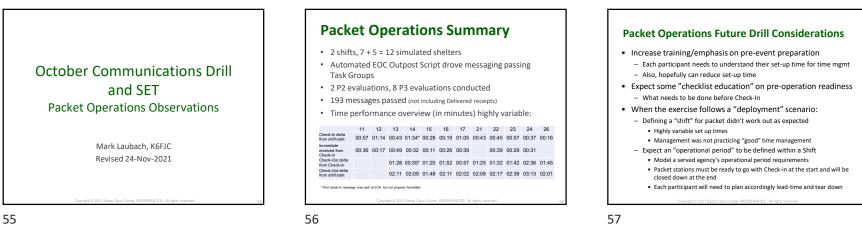




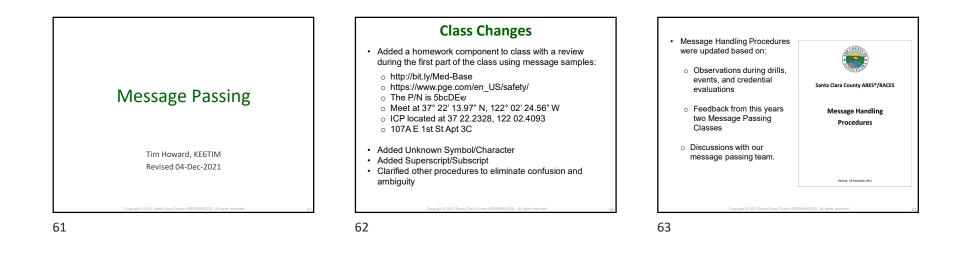












Unknown Symbol or Character

Example:

- o Written: Send 50
 g today
- Spoken: "send FIGURES fife zero <pause> UNKNOWN SYMBOL <pause> today"

The receiver draws an empty box on their message form where the unknown symbol would appear.

Send 50 🛛 today

• Example:

- \circ Written: We can use ab§ δ instead
- Spoken: "We can use MIXED GROUP alpha bravo UNKNOWN SYMBOL UNKNOWN SYMBOL <pause> instead"

We can use ab

64

SUBSCRIPT and SUPERSCRIPT

- Used to indicate the following character should be written a half-line lower (SUBSCRIPT) or higher (SUPERSCRIPT) than the rest of the text, such as subscripts and mathematical exponents
- Used with one character at a time
- Does NOT remain in effect until the end of the group
- Examples:
 - Written: White blood cell count is 105
 - Spoken: "white blood cell count is FIGURES one zero SUPERSCRIPT fife"
- 。Written: Model XS4₆₃
- Spoken: "model MIXED GROUP x-ray sierra four SUBSCRIPT six SUBSCRIPT tree"

65

SUBSCRIPT and SUPERSCRIPT

 When given a chemical symbol to send, if possible, ask the message author to provide the common English word for the chemical.
 If that is not possible, then use the procedure outlined above.

• Written by message author: H₂O₂

Corrected by message author: H₂O₂ Hydrogen Peroxide

• Spoken: hydrogen peroxide (you might use I SPELL here to ensure precise copy



- · Identifies one or more letters to follow
- Used for non-word letter groups
- · Voice each letter phonetically
- · Leave a pause after the last letter to help separate it from groups
- that follow
- · Use for letter groups such as Initials, Abbreviations and Acronyms
- Is immediately followed by white space or a punctuation mark . , : ; ! ?
- These are Initials
 - ARRL
 - o St.
- o Dr.
- o EOC

- o CA
- T. (As in James T. Kirk)

68



- · Identifies one or more numerals to follow
- Voice each digit separately
- If anything, other than a numeral is present, it becomes a MIXED GROUP, MIXED GROUP FIGURE(S), or MIXED GROUP SYMBOL(S).
- These are Figures

 - o 145 o 35
 - o **13253**
- These are NOT
- -145 (Mixed Group Symbol)
- 13,253 (Mixed Group Figures)
- 2/3 (Mixed Group Figure)
- 146.595 (Mixed Group Figures)
- o 408.555.1212 or 408-555-1212 (Telephone Figures)

C	٢
n	~
~	-

Symbols

comma

: colon

+ plus-sign

= equal-sign

pound-sign

\$ dollar-sign

@ at-sign

semi-colon

? question-mark

! exclamation-point

minus-sign (in numbe hyphen (in words), or dash (elsewhere)

decimal (in numbers), or dot (in email, packet, and internet addresses), or period (end of sentence and elsewhere)

Some symbols have context sensitive names

< less-than-sign

> greater-than-sign

underscore

vertical-line

caret | care et |

tilde \ till dee \

degrees (in GPS of degree-sign (elses

Voicings are shown in bold.

Voice hyphenated words as if they are a single-word.

Punctuation symbol voicings are underlined.

nciation \ is between

Context is shown in italics

backslashes.

Voicing

& ampersand

asterisk

/ slash

backslash

seconds (In GPS double-quote (i

apostrophe minutes (// or single-q

back-quote

(left-parenthesis

right-parenthesis

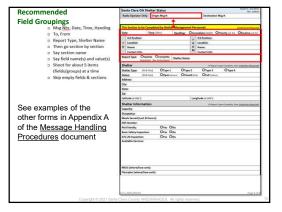
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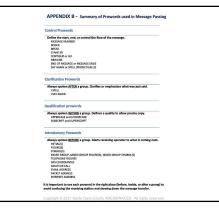
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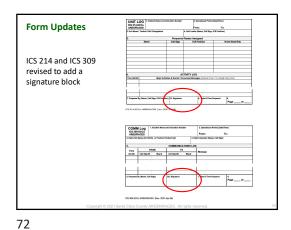
} right-curly-bracket

right-square-bracket

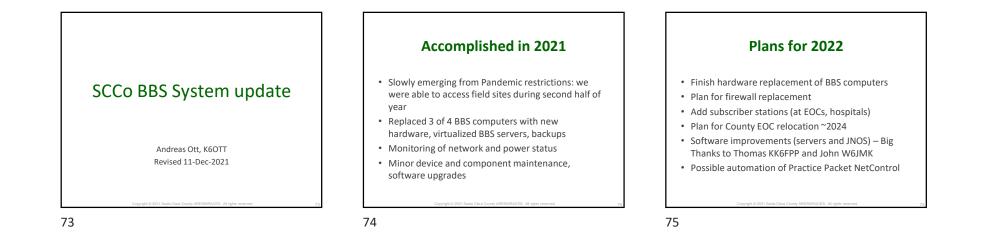
% percent-sign

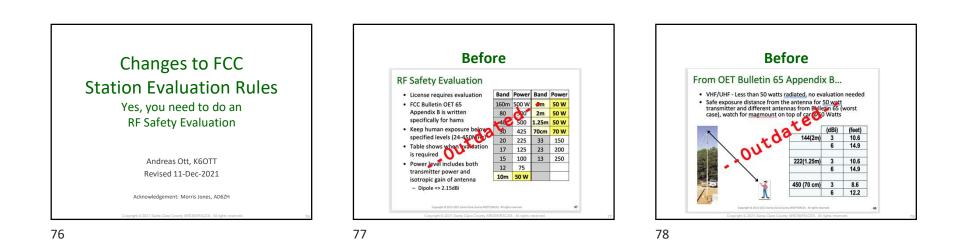






71





FCC Rule and Order 19-126 Effective May 2021

• From ARRL ARLB011:

The new rules do not change existing RF exposure (RFE) limits but do require that stations in all services, including amateur radio, be evaluated against existing limits, unless they are exempted. For stations already in place, that evaluation must be completed by May 3, 2023. After May 3 of this year, any new station, or any existing station modified in a way that's likely to change its RFE profile - such as different antenna or placement or greater power - will need to conduct an evaluation by the date of activation or change.

https://docs.fcc.gov/public/attachments/FCC-19-126A1.pdf

(159 pages, contains submitted comments, and math)

79

But how?

- ARRL web pages (info, FAQ, calculator)
- <u>http://www.arrl.org/rf-exposure</u>
- http://www.arrl.org/rf-exposure-calculator
- QST article September 2021, pp. 60-62
- To get proof of evaluation: do it on ARRL web calculator, and then print to PDF and save file
- Controlled and uncontrolled exposure (have different maximum permissible exposure limits), you want to note the two distances for your setup

And why would you care?

- RF energy gets absorbed into your body. It heats up tissue over time, and the more you transmit. It's accumulative, unless you let your tissue cool down in between transmissions (duty cycle).
- Human body is most susceptible to 30-300 MHz
- Controlled (your and your household) versus uncontrolled exposure (bystanders) have different maximum permissible exposure limits.

80

81

For which stations?

 All stations! The way I read the R&O, this applies to your home station or your EOC, and you have until May 2023 to comply if you have had that station without changes since before May 2021, but it also applies to stations we (temporarily) set up in the field for drills and exercises, and after you make a change to any station.

So, what are the new safe distances?

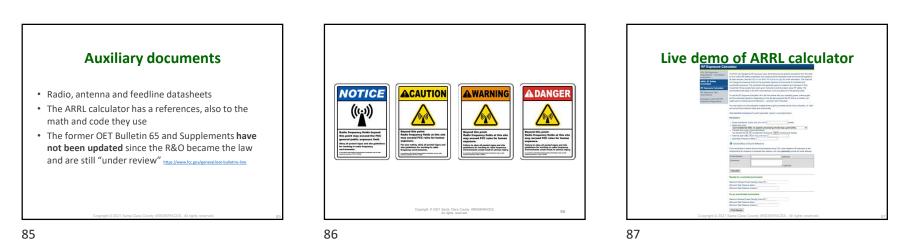
- It depends, they are the same as the old safe distances, but no more easy tables for lookup, and you will be surprised by what "used to be safe"
- Calculation is somewhat involved, as the rules are based on field strength and power density, two parameters not easily accessible; and dependent on the transmit frequency
- Variables to be filled in: transmitter power, feedline loss, antenna gain/loss, frequency, emission mode and transmitting duty cycle

Easy to understand principles

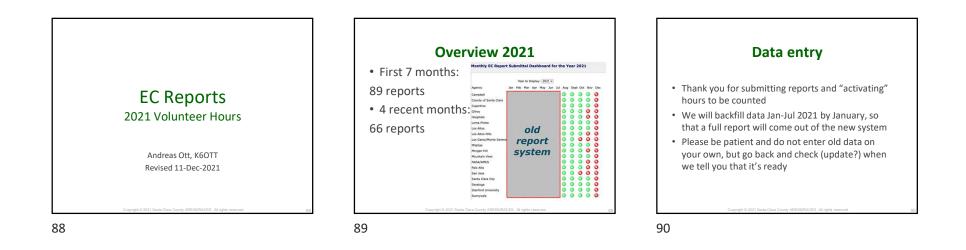
- Use low(er) power, as you should anyway
- Keep radio antenna away from body when feasible, or keep body away from radio antenna (heh)
- Let body cool down, exponential decay, take breaks in between transmissions (lower duty cycle)
- Keep transmissions short, efficiency as a goal
- Check common use cases: body-worn radio, magmount antenna on car roof, pushup mast
- Use conservative defaults as input

82

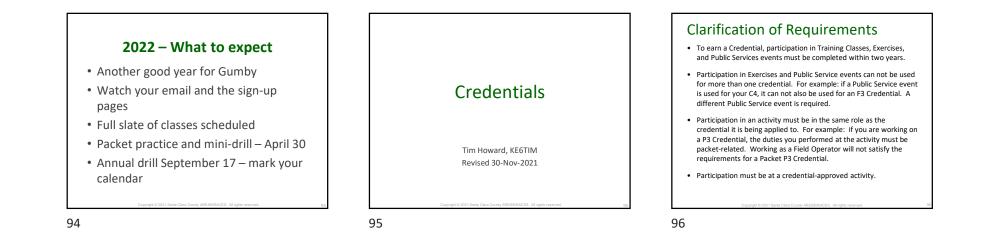
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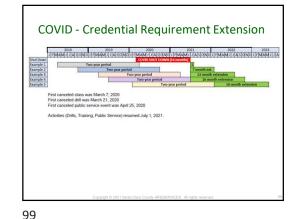


Clarification of Requirements

- Equipment checks are good for one-year. For example: if you completed an F3 equipment check, you can use that for an N3 within one year and do not need to repeat the equipment check.
- Where equipment requirements are different, you would only need to have the additional equipment checked.
- Radio familiarity and Knowledge tests are also valid for one year.
- Again, where requirements are different, only the additional requirements would need to be done.

Clarification of Requirements

- To maintain Credentials, you must
- Take part in two credential-qualified activities (exercises, events, incidents) within each two-year period
- Or take part in one credential-qualified activity and at least one "End of Year Summary' class within a two-year period.
- Failure to do so will result in loss of Credentials. We made an exception for 2020 but will be looking at participation again moving forward.
- There is a reinstatement process outlined in the "Credential Program Handbook" that can occur within two years of losing a Credential.



97

