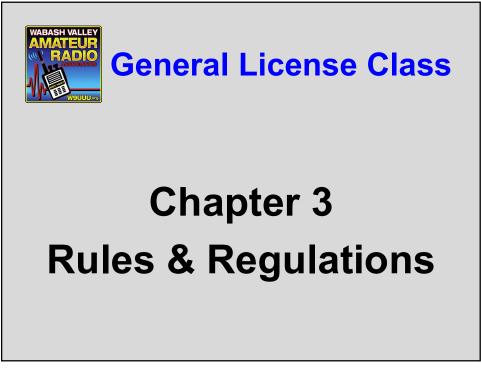


## General License Class



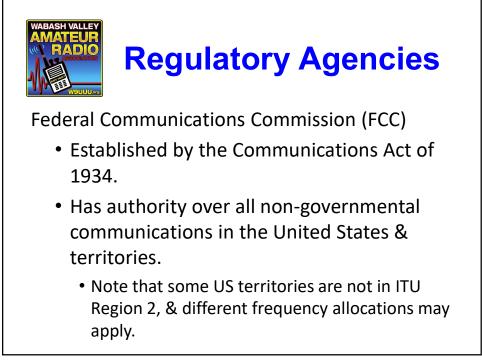


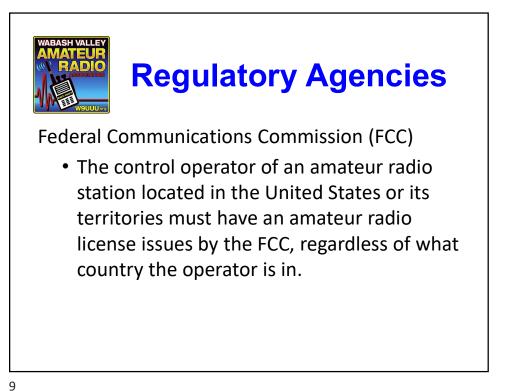


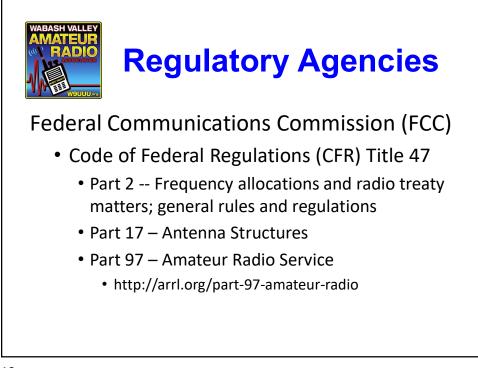


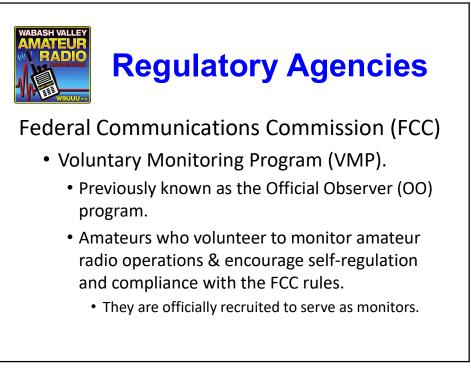




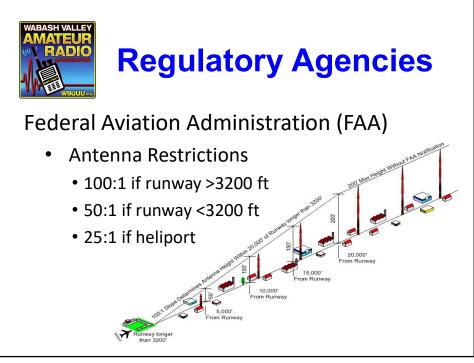


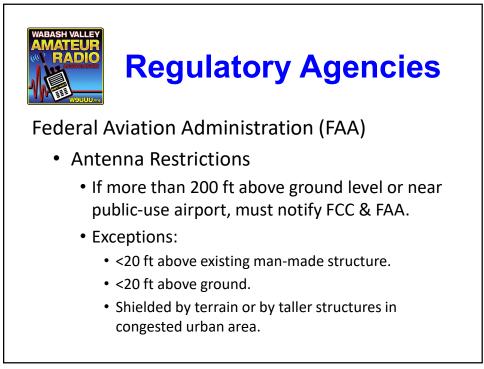


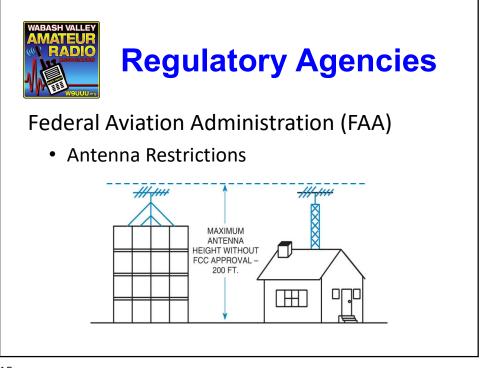










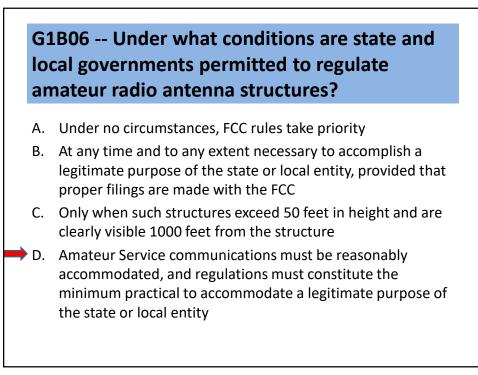






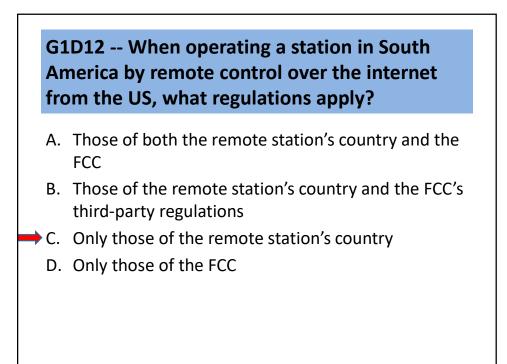
G1B01 -- What is the maximum height above ground for an antenna structure not near a public use airport without requiring notification to the FAA and registration with the FCC?

- A. 50 feet
- B. 100 feet
- C. 200 feet
  - D. 250 feet



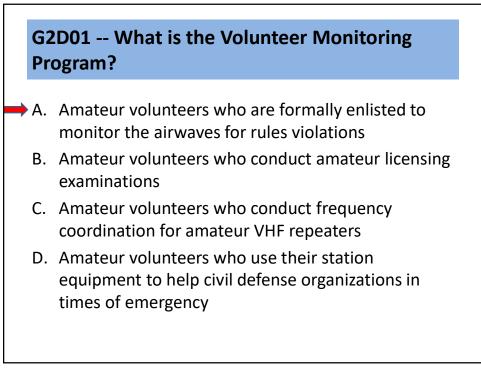
#### G1D05 -- When operating a US station by remote control from outside the country, what license is required of the control operator?

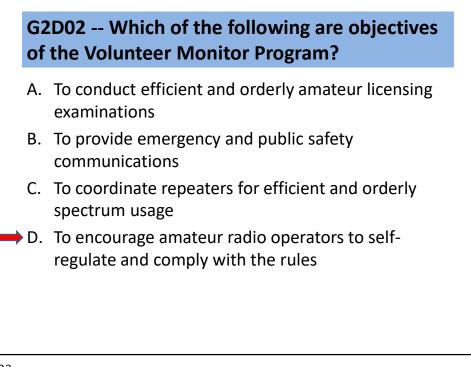
- A. A US operator/primary station license
  - B. Only an appropriate US operator/primary license and a special remote station permit from the FCC
  - C. Only a license from the foreign country, as long as the call sign includes identification of portable operation in the US
  - D. A license from the foreign country and a special remote station permit from the FCC

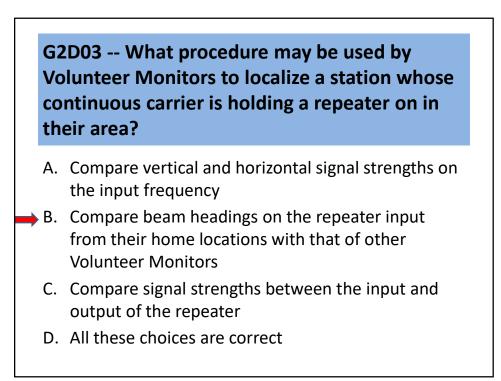


# G1E06 -- The frequency allocations of which ITU region apply to radio amateurs operating in North and South America?

- A. Region 4
- B. Region 3
- C. Region 2
  - D. Region 1





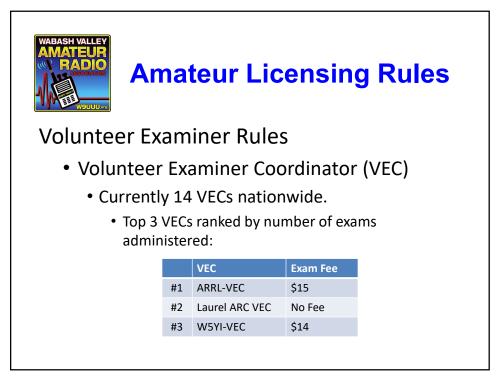


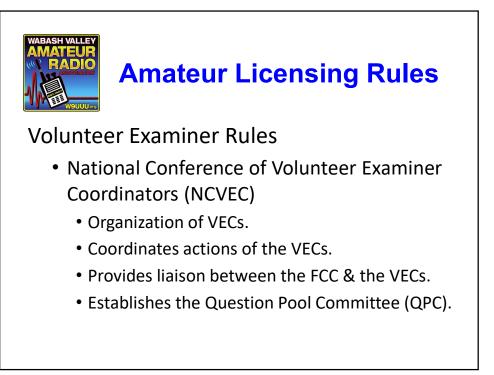


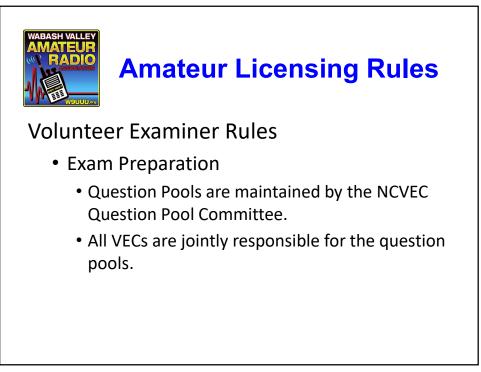
## **Amateur Licensing Rules**

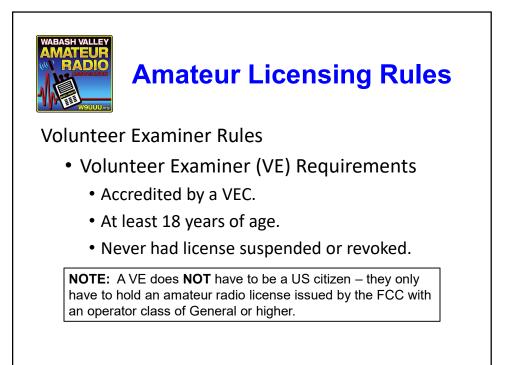
### Volunteer Examiner Rules

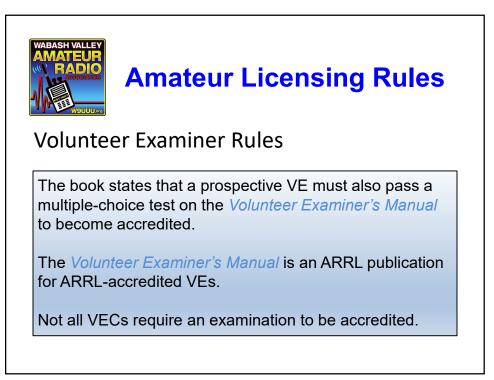
- Volunteer Examiner Coordinator (VEC)
  - Created by signed agreement with the FCC.
  - Accredits Volunteer Examiners (VEs).
  - Coordinates exam sessions.
  - Maintains records of all exam sessions, including passes & failures.
  - Forwards successful applications to the FCC for processing.











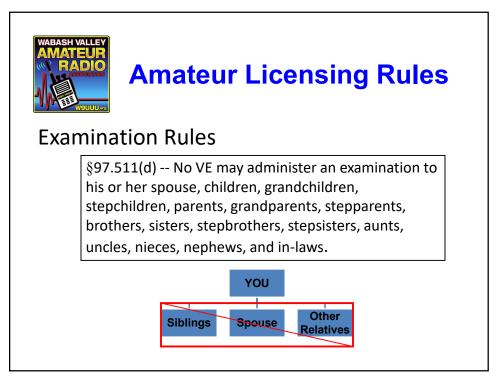


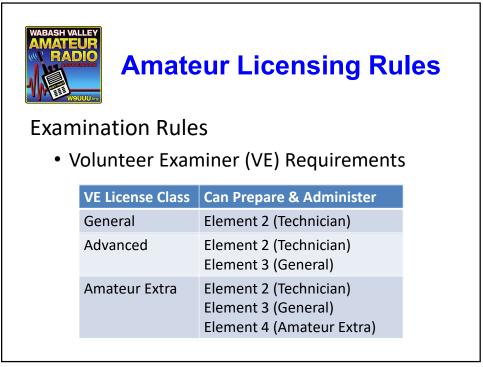
## **Amateur Licensing Rules**

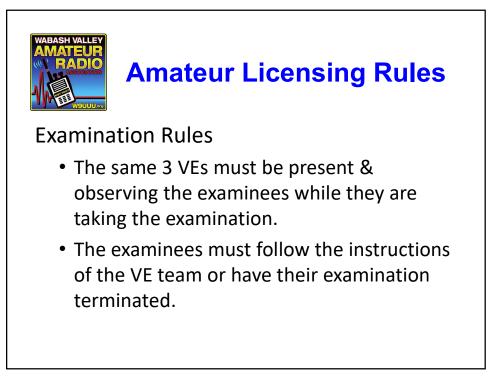
#### **Examination Rules**

- Team of at least 3 VEs required.
  - Conducts local exam sessions in accordance with policies adopted by the coordinating VEC.
  - Forwards all exam session paperwork to VEC for processing.







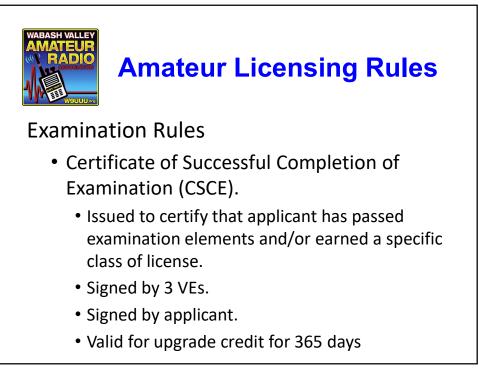




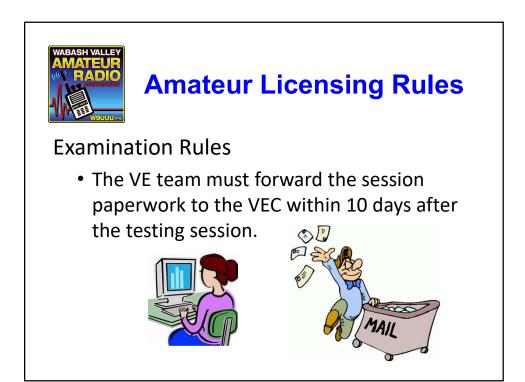
## **Amateur Licensing Rules**

#### **Examination Rules**

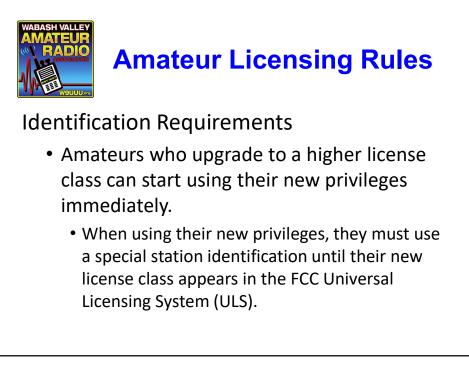
- 3 VEs must immediately grade the examination & notify the applicant whether they passed or failed.
- If they failed, the team returns the application to the applicant.
- If they passed, 3 VEs must sign the application & issue a CSCE.



	r Licensing Rules
WeUUU	
American Radio Relay Loague VEC Certificate of Successful Completion of Examination	CERTIFICATE OF SUCCESSFUL COMPLETION OF EXAMINATION
V. Ry-State) Text Date: W Inceptant continue on	Laurel Amateur Radio Club Volunteer Examiner Coordinator Laurel Amateur Radio Club, Inc., P.O. Box 0146, Laurel, Maryland 20725-0146
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THIS CERTIFICATE IS NOT A LICENSE PERMET OR ANY OTHER WIND OF OPERATING ANTIVERTY M AND OF TRELE. THE ELEMENT CERTOR ANOLOGY OFFINATION FRANCE LODGE THAT MAN BE ENROCATED AN THE LISSING HURDRADE WITHOUT ARE WALLD FOR 300 DAYS FORD THE LISS ID DRIVE. THE HOLDERTHANDED HERROR MUST ALSO HAVE BEEN GRAATED AN ANATURE REVISIO LEMENT ERLEDE UNTER LISSI DRIVE. THE HOLDERTHANDED HERROR MUST ALSO HAVE BEEN GRAATED AN	This certificate is not valid unless all elements other than the ones earned are crossed out. This certificate is valid for 365 days from the date of issue. Please retain this certificate for your records.
Consists Syntax SAMPLE VEN	Listing of the license grant on the PCC Universal Licensing System (ILS) establishes you as an amateur operator and conveys your authority to operate. If you hold a valid PCC-dissued Amatern Radio License, this certificate allows you to operate with all privileges of your new operator class until your license has been granted by the PCC or for
Candodria Nana Candoda	a period of 305 days from the date of issue of this certificate, whichever comes first.
Adhes Kate Diffe	Applicant Information Voluzioner Examiner Signatures and Call Signs
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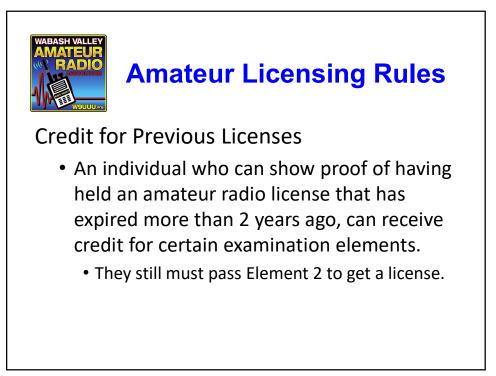




## **Amateur Licensing Rules**

### Identification Requirements

- Must add a special indicator after their call sign.
  - Upgrade to Technician = <call>/KT
  - Upgrade to General = <call>/AG
  - Upgrade to Amateur Extra = <call>/AE
- Remember: Station identification must be made using the English language.

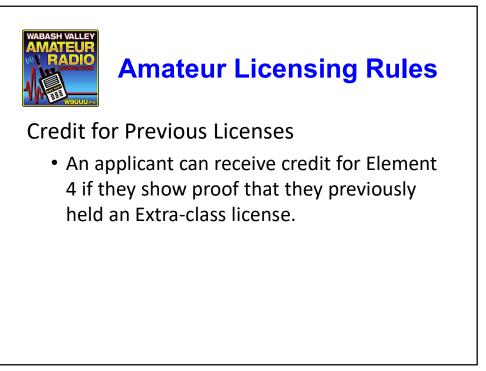




## **Amateur Licensing Rules**

### Credit for Previous Licenses

- An applicant can receive credit for Element 3 if they show proof that they:
  - Currently hold or previously held a Technicianclass license issued prior to March 23, 1987.
  - Previously held a General-class license.
  - Previously held an Advanced-class license.
  - Previously held an Extra-class license.



## G1D01 -- Who may receive partial credit for the elements represented by an expired Amateur Radio license?

- A. Any person who can demonstrate that they once held an FCC-issued General, Advanced, or Amateur Extra class license that was not revoked by the FCC
- B. Anyone who held an FCC-issued amateur radio license that expired not less than 5 and not more than 15 years ago
- C. Any person who previously held an amateur license issued by another country, but only if that country has a current reciprocal licensing agreement with the FCC
- D. Only persons who once held an FCC issued Novice, Technician, or Technician Plus license

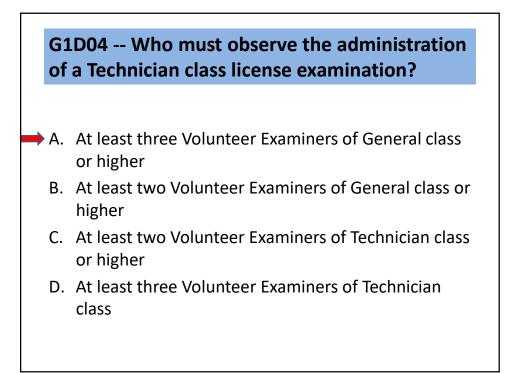
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G1D02 -- What license examinations may you administer as an accredited Volunteer Examiner holding a General class operator license?

- A. General and Technician
- B. None, only Amateur Extra class licensees may be accredited
- C. Technician only
  - D. Amateur Extra, General, and Technician

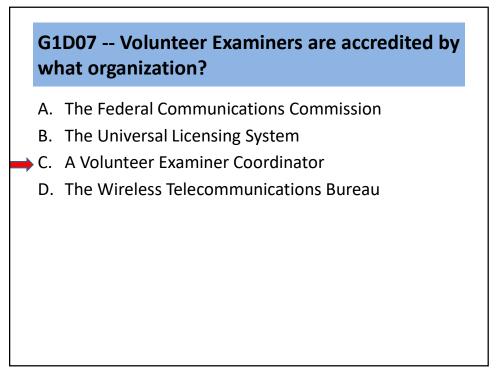
G1D03 -- On which of the following band segments may you operate if you are a Technician class operator and have an unexpired Certificate of Successful Completion of Examination (CSCE) for General class privileges?

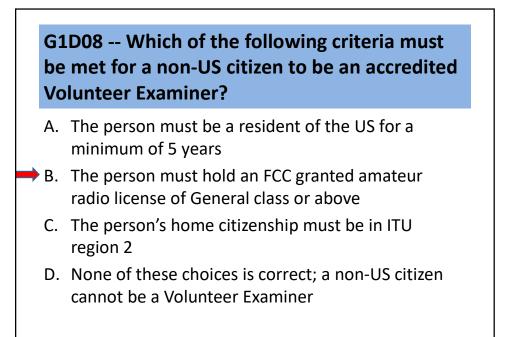
- A. Only the Technician band segments until your upgrade is posted in the FCC database
- B. Only on the Technician band segments until you have a receipt for the FCC application fee payment
- C. On any General or Technician class band segment
  - D. On any General or Technician class band segment except 30 meters and 60 meters

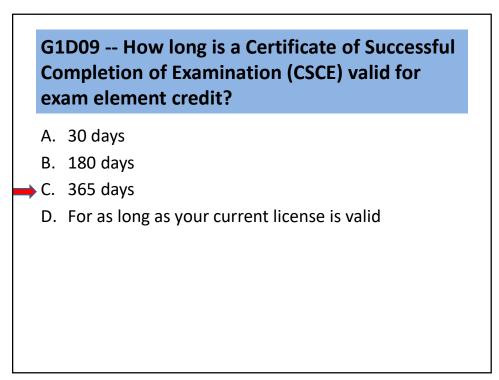


G1D06 -- Until an upgrade to General class is shown in the FCC database, when must a Technician licensee identify with "AG" after their call sign?

- A. Whenever they operate using General class frequency privileges
  - B. Whenever they operate on any amateur frequency
  - C. Whenever they operate using Technician frequency privileges
  - D. A special identifier is not required if their General class license application has been filed with the FCC

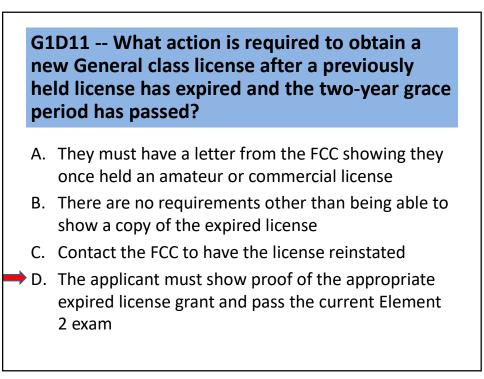




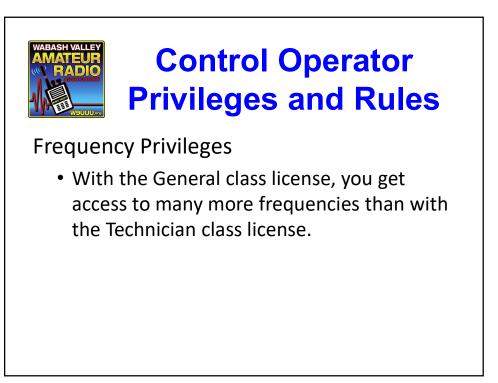


# G1D10 -- What is the minimum age that one must be to qualify as an accredited Volunteer Examiner?

- A. 16 years
- B. 18 years
- C. 21 years
- D. There is no age limit



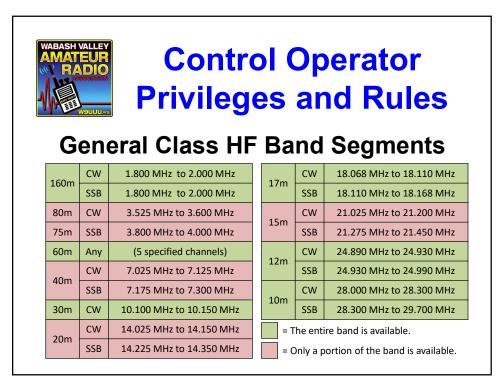




WABASH VALLEY AMATEUR N RADIO FRADIO FRADIO WEULULET	Control Operator Privileges and Rules
Frequen	cy Privileges
• US Ar	nateur HF Bands

Band	Frequency Range	
160m	1.800 MHz to 2.000 MHz	
80m	3.500 MHz to 3.600 MHz	
75m	3.600 MHz to 4.000 MHz	
40m	7.000 MHz to 7.300 MHz	
30m	10.100 MHz to 10.150 MHz	

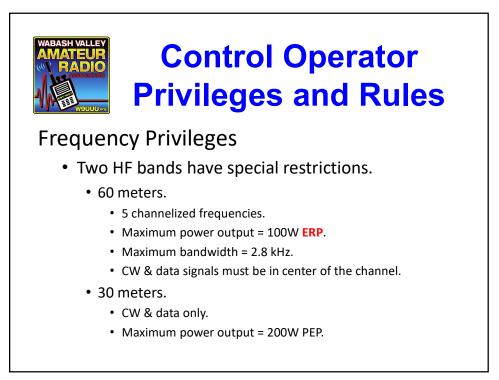
Band	Frequency Range
20m	14.000 MHz to 14.350 MHz
17m	18.068 MHz to 18.168 MHz
15m	21.000 MHz to 21.450 MHz
12m	24.890 MHz to 24.990 MHz
10m	28.000 MHz to 29.700 MHz
10m	28.000 MHz to 29.700 MHz



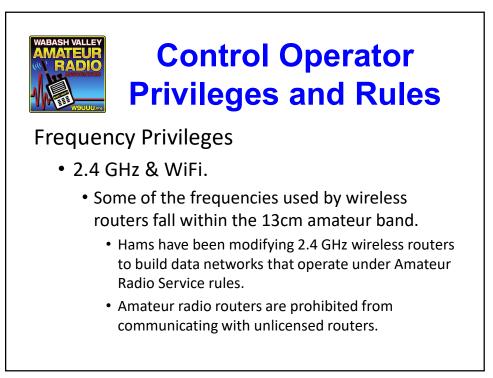


#### **Frequency Privileges**

- When the entire CW portion of the band is not available to a General class operator, the bottom 25 kHz is reserved for Amateur Extra class operators.
- When the entire phone portion of the band is not available to a General class operator, the upper end of the band is available.



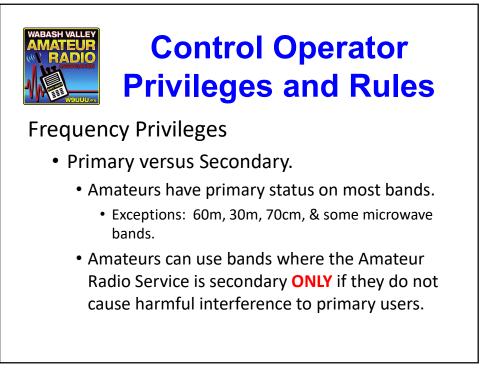
	Control Operator Privileges and Rules			
Fre	Frequency Privileges			
•	<ul> <li>60m Frequency Assignments</li> </ul>			
	Center Frequency	Carrier (VFO) Frequency		
	5332.0 kHz	5330.5 kHz		
	5348.0 kHz	5346.5 kHz		
	5358.5 kHz	5357.0 kHz		
	5.373.0 kHz	5371.5 kHz		
	5405.0 kHz	5403.5 kHz		
I				



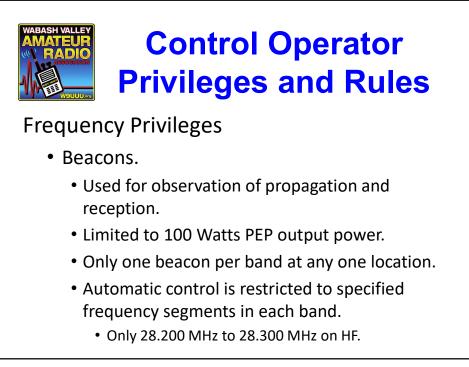


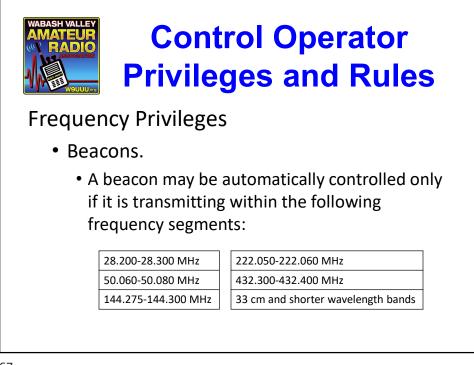
#### **Frequency Privileges**

- Special circumstances.
  - Amateurs are required to take special steps to avoid interference if they are:
    - Operating with in 1 mile of an FCC monitoring station.
    - Transmitting spread spectrum emissions.
    - Operating on a band where the Amateur Radio Service is secondary.





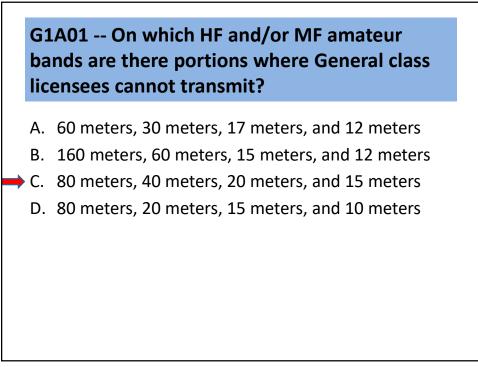


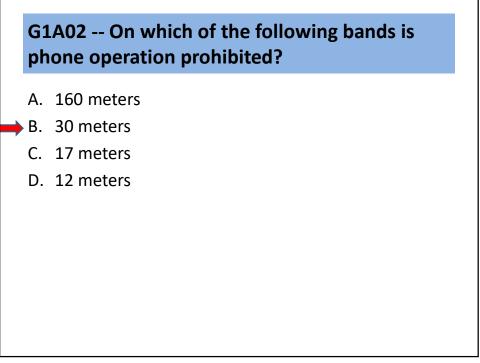


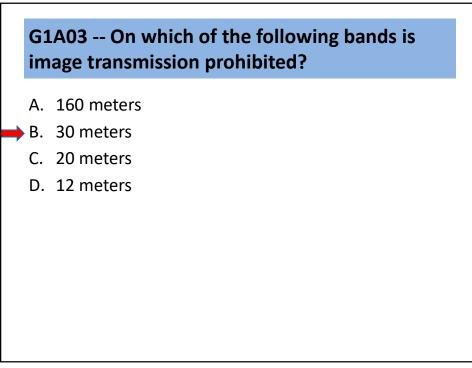




- Restricted to 29.500 MHz to 29.700 MHz on HF.
- Repeater Coordinators work with repeater operators in selecting frequencies to minimize interference.
  - If interference occurs between a coordinated repeater and an uncoordinated repeater, the licensee of the uncoordinated system is responsible for resolving the interference.

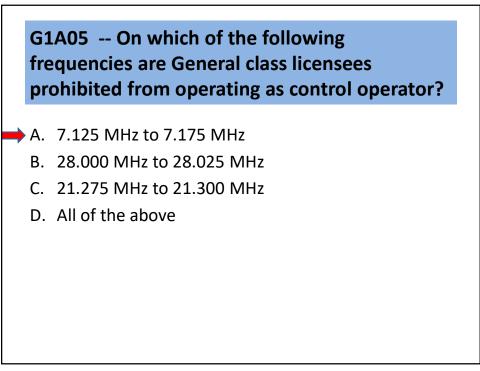






G1A04 -- Which of the following amateur bands is restricted to communication only on specific channels, rather than frequency ranges?

- A. 11 meters
- B. 12 meters
- C. 30 meters
- D. 60 meters



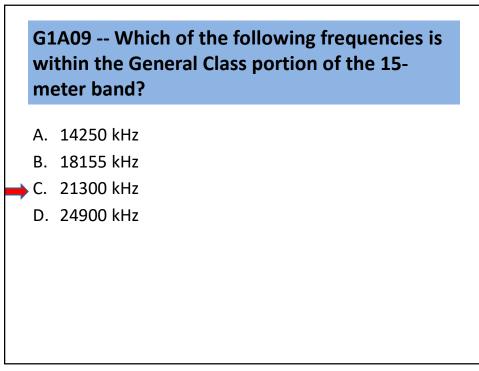
#### G1A06 -- Which of the following applies when the FCC rules designate the amateur service as a secondary user on a band?

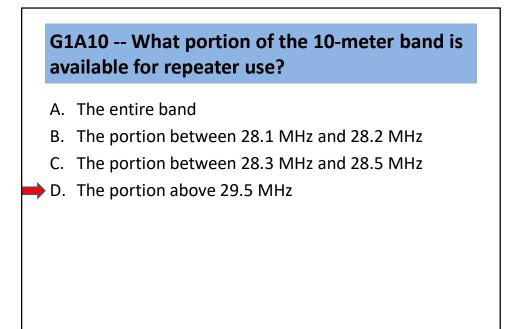
- A. Amateur stations must record the call sign of the primary service station before operating on a frequency assigned to that station
- B. Amateur stations may use the band only during emergencies
- C. Amateur stations must not cause harmful interference to primary users and must accept interference from primary users
- D. Amateur stations may only operate during specific hours of the day, while primary users are permitted 24-hour use of the band

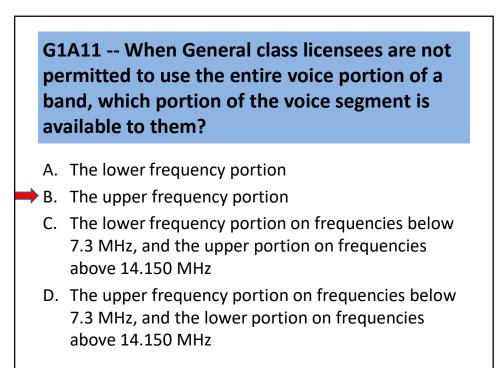
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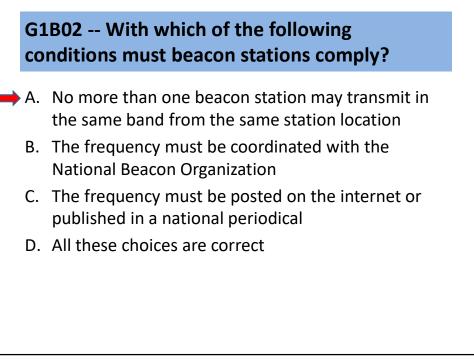
G1A07 -- On which amateur frequencies in the 10-meter band may stations with a General class control operator transmit CW emissions? A. 28.000 MHz to 28.025 MHz only B. 28.000 MHz to 28.300 MHz only C. 28.025 MHz to 28.300 MHz only D. The entire band G1A08 -- Which HF bands have segments exclusively allocated to Amateur Extra licensees?

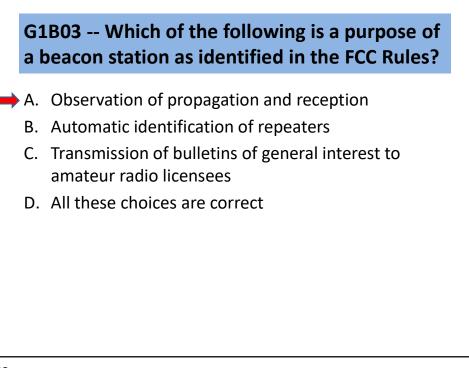
- A. All HF bands
- B. 80 meters, 40 meters, 20 meters, and 15 meters
- C. All HF bands except 160 meters and 10 meters
- D. 60 meters, 30 meters, 17 meters, and 12 meters

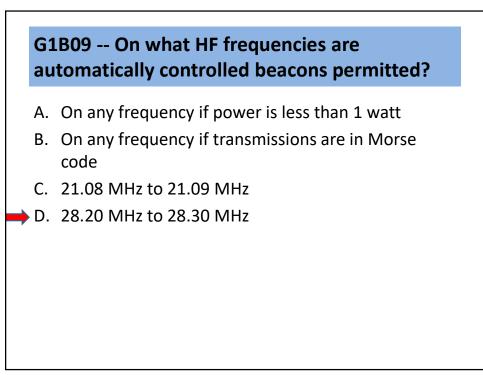


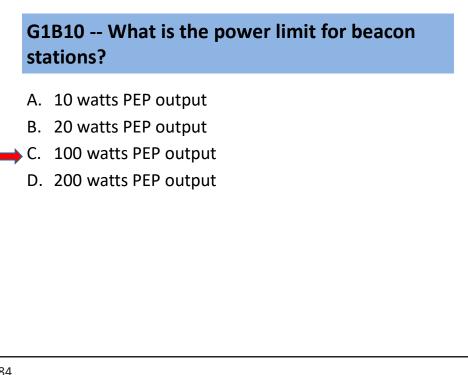






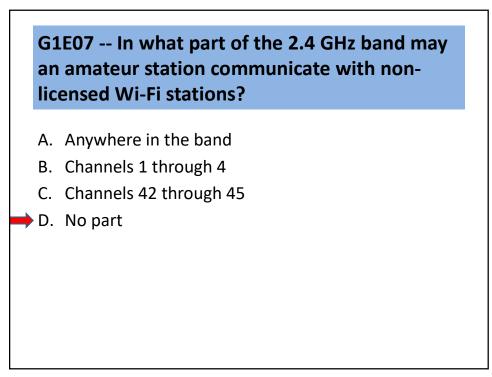


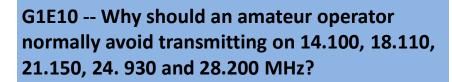




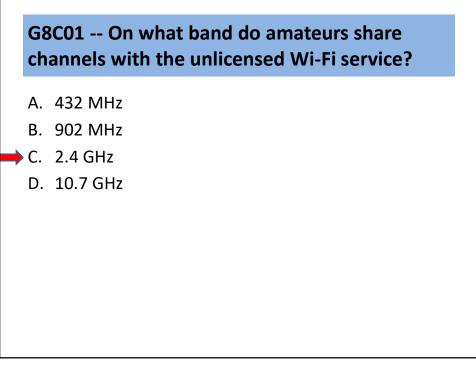
G1E04 -- Which of the following conditions require a licensed amateur radio operator to take specific steps to avoid harmful interference to other users or facilities?

- A. When operating within one mile of an FCC Monitoring Station
- B. When using a band where the Amateur Service is secondary
- C. When a station is transmitting spread spectrum emissions
- D. All of these choices are correct



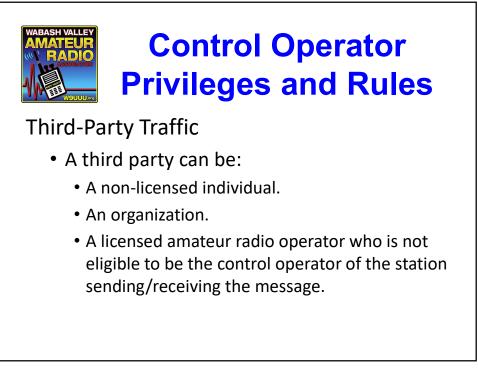


- A. A system of propagation beacon stations operates on those frequencies
- B. A system of automatic digital stations operates on those frequencies
- C. These frequencies are set aside for emergency operations
- D. These frequencies are set aside for bulletins from the FCC



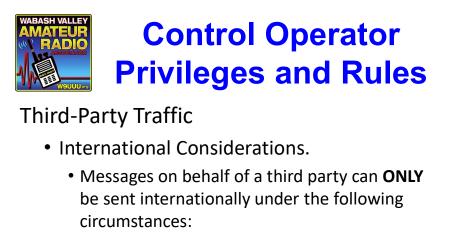


behalf of a "third party".







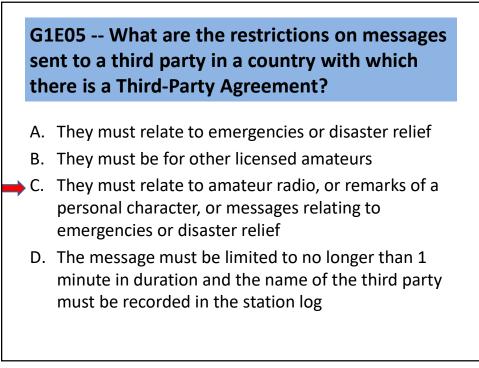


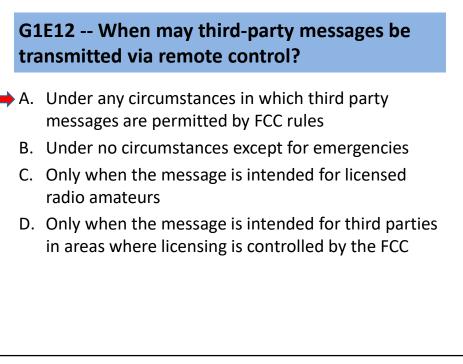
- Message must be non-commercial and of a personal and inconsequential nature.
- Country involved specifically allows third-party traffic to/from US amateurs.



#### G1E01 -- Which of the following would disqualify a third party from participating in sending a message via an amateur station?

- A. The third party's amateur license has been revoked and not reinstated
  - B. The third party is not a US citizen
  - C. The third party is speaking in a language other than English
  - D. All these choices are correct







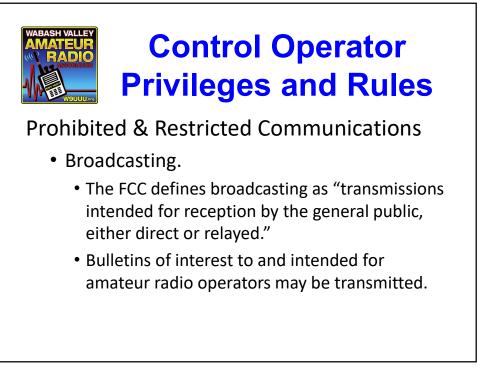










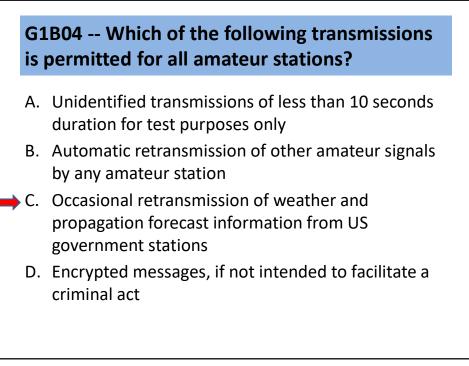


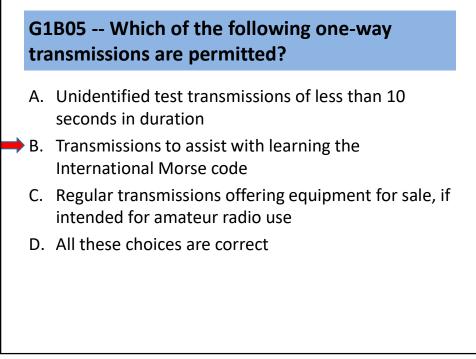


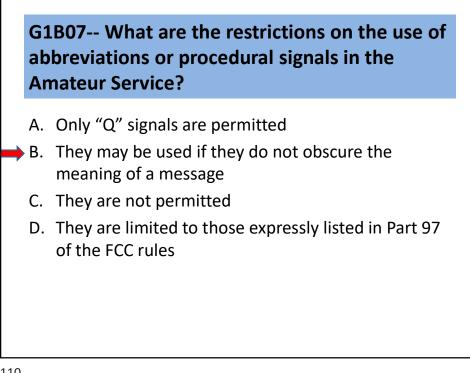
regular basis.





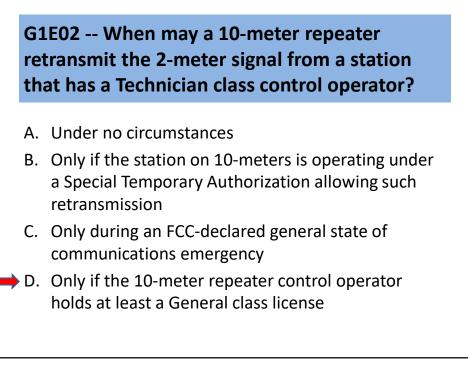


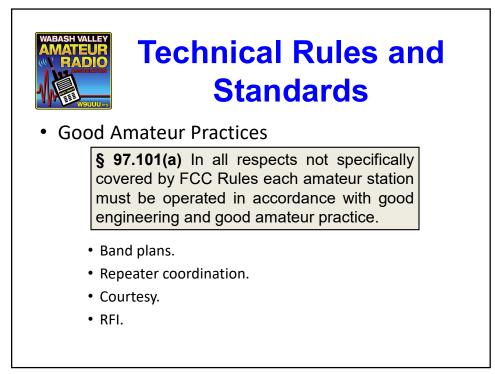




G1B08 -- When is it permissible to communicate with amateur stations in countries outside the areas administered by the Federal Communications Commission?

- A. Only when the foreign country has a formal third-party agreement filed with the FCC
- B. When the contact is with amateurs in any country except those whose administrations have notified the ITU that they object to such communications
- C. Only when the contact is with amateurs licensed by a country which is a member of the United Nations, or by a territory possessed by such a country
- D. Only when the contact is with amateurs licensed by a country which is a member of the International Amateur Radio Union, or by a territory possessed by such a country







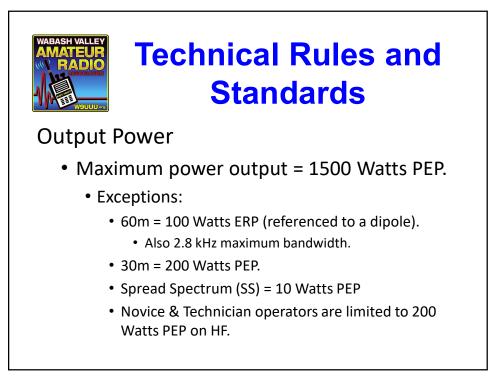


# Technical Rules and Standards

### **Output Power**

- Except for the 60-meter band, the FCC always specifies output power in "peak envelope power" (PEP).
  - On 60m, the maximum output power is specified in effective radiated power (ERP).

§97.313(a) -- An amateur station must use the minimum transmitter power necessary to carry out the desired communications.





# Technical Rules and Standards

### **Output Power**

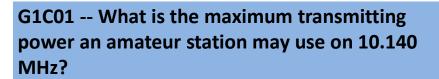
- QRO means "Increase power" or "Shall I increase power?"
  - "QRO operation" refers to operating with a high-power amplifier (>500W?).
- QRP means "Decrease power" or "Shall I decrease power?"
  - "QRP operation" refers to operating with a transmitter output power of 5 watts or less.

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G1B11 -- Who or what determines "good engineering and good amateur practice," as applied to the operation of an amateur station in all respects not covered by the Part 97 rules?

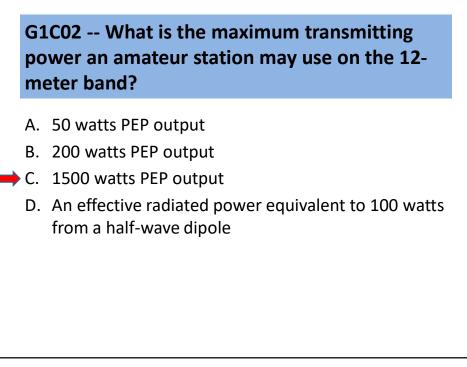
A. The FCC

- B. The control operator
- C. The IEEE
- D. The ITU

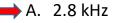


- A. 200 watts PEP output
  - B. 1000 watts PEP output
  - C. 1500 watts PEP output
  - D. 2000 watts PEP output

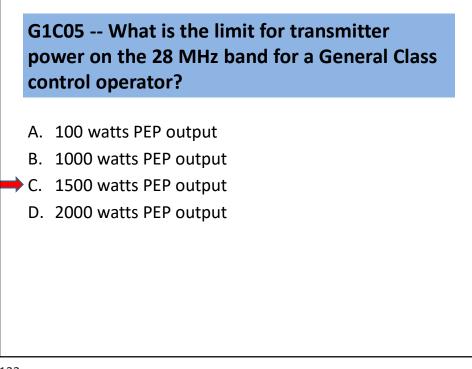
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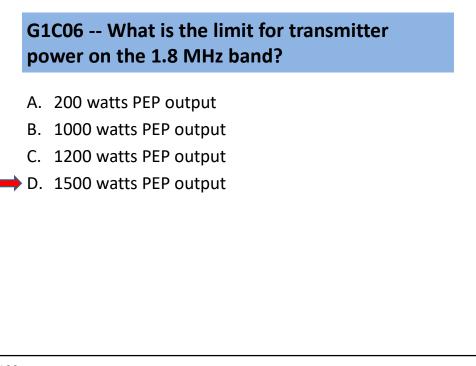


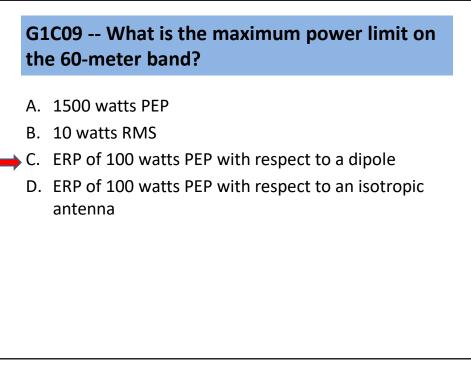
G1C03 -- What is the maximum bandwidth permitted by FCC rules for Amateur Radio stations when transmitting on USB frequencies in the 60-meter band?

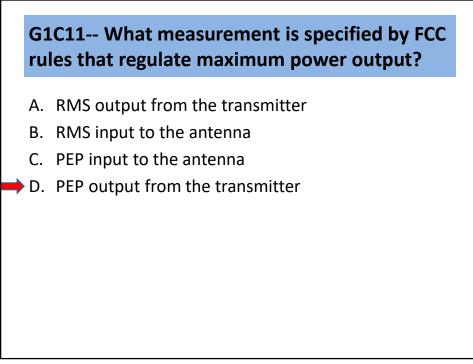


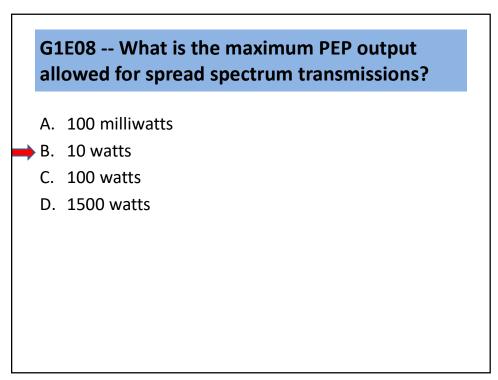
- B. 5.6 kHz
- C. 1.8 kHz
- D. 3 kHz

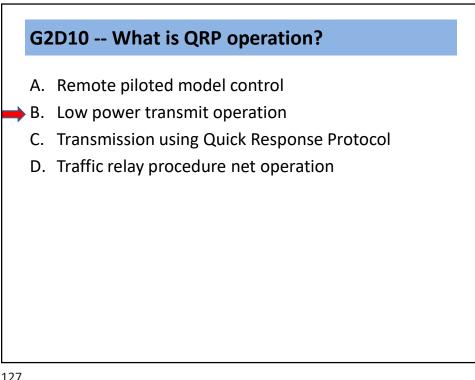




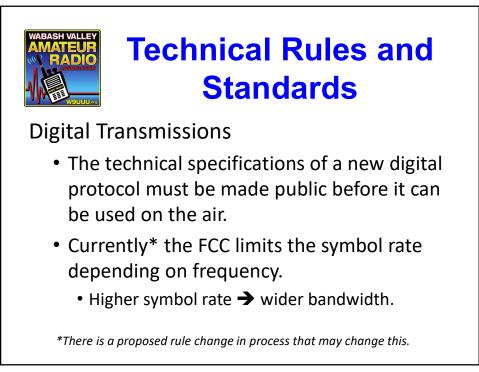












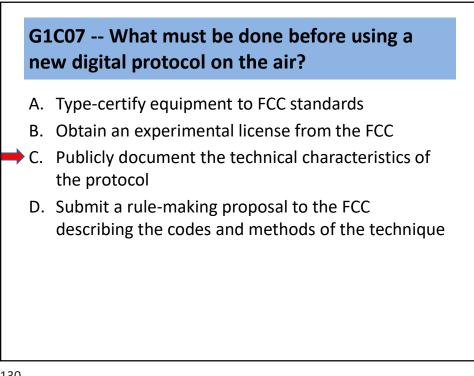


# Technical Rules and Standards

### **Digital Transmissions**

• Maximum symbol rates:

Band	Maximum Symbol Rate	Maximum Bandwidth
160m – 12m	300 baud	1 kHz
10m	1200 baud	1 kHz
6m & 2m	19.6 kilobaud	20 kHz
1.25m & 70cm	56 kilobaud	100 kHz
33cm & up	No limit	No Limit



G1C08 -- What is the maximum symbol rate permitted for RTTY or data emission transmitted at frequencies below 28 MHz?

- A. 56 kilobaud
- B. 19.6 kilobaud
- C. 1200 baud
- D. 300 baud

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