

## SPARC Technician Class and License Examination – Feb 2012

1. The Sterling Park Amateur Radio Club will conduct a Technical License preparation class.
2. Date/Time:  
     Saturday and Sunday, 11-12 February 2012.  
     Class                      Saturday, 11 February 2012 0800 – 1700 and  
    Sunday, 12 February 2012 0800 – 1200
3. Place: Office of the Sheriff, Eastern Loudoun Station, 46620 East Frederick Drive, Sterling, VA 20164
4. Attendees: All interested people are invited to participate in both the Technician license class. Prior notice of attendance to class coordinator is requested. Walk-ins are accepted.
5. Fees: There is no fee for participation in the technician license class. Attendees may contribute \$10 to defray the cost of lunches for both days.
6. The Technician License Class Coordinator is Gordon, NQ4K.
7. The class consists of 1) pre-class study and 2) the instructor-guided class.
8. Pre-class study.

Students should read a technician class study guide. The recommended material is available on the internet at:  
[http://www.kb6nu.com/wp-content/uploads/2010/06/2010\\_Tech\\_Study\\_Guide.pdf](http://www.kb6nu.com/wp-content/uploads/2010/06/2010_Tech_Study_Guide.pdf)

Students are not required to bring the study guide to the class.

An On-Line Practice Exam is available and may be used by students.

<http://copaseticflow.blogspot.com/2008/10/technician-class-amateur-exam-practice.html>

#### 9. Instructor-Guided Class:

Students will attend 12 hours of class covering all sub-elements of the technician class licensing test.

The class material will be from [http://www.rtsi.com/~HRInstructor/Technician\\_2010/T1-T0/](http://www.rtsi.com/~HRInstructor/Technician_2010/T1-T0/).

These presentations and instructors are:

T1 - FCC Rules, descriptions and definitions for the amateur radio service, operator and station license responsibilities.	Paul, K4PDF
T2 - Operating Procedures	Paul, K4PDF
T3 - Radio wave characteristics, radio and electromagnetic properties, propagation modes	John, KK4AHY
T4 - Amateur radio practices and station set up	Kevin, W4KLS (Maybe)
T5 - Electrical principles, math for electronics, electronic principles, Ohm's Law	Mark, KI4OBT
T6 - Electrical components, semiconductors, circuit diagrams, component functions	Henry, K2BFY

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T7 - Station equipment, common transmitter and receiver problems, antenna measurements and troubleshooting, basic repair and testing	Kevin, W4KLS
T8 - Modulation modes, amateur satellite operation, operating activities, non-voice communications	Jim, KF4PQL
T9 - Antennas, feedlines	Henry, K2BFY
T0 - AC power circuits, antenna installation, RF hazards	Henry, K2BFY

A review session will be held as the last session in the class and will be based on the technician license examination Q&As. All the instructors should support this activity.

Radios will be set up and for familiarization of students.

10. Publicity. (Coordinator: Gordon, NQ4K)

- a. Class notice will be posted to the SPARC web site.
- b. Press releases will be submitted to the local newspapers.
- c. Notice of technician class and VE examination session will be submitted to ARRL for posting to their web site.
- d. Notices will be sent to the local high schools (Herndon, HS, Park View HS, Dominion High School (home of the Science Academy for LCPS) and Potomac Falls High School).

11. Food and drink

- a. Light lunch (Pizza or sandwiches) will be provided for the 2 days.
- b. Soft drinks, coffee, and tea will be available.