

SPARC Technician Class – Feb 2012

1. The Sterling Park Amateur Radio Club will conduct a Technical License preparation class.
2. Date/Time:
Saturday and Sunday, 9-10 February 2013.
Class Saturday, 9 February 2013 0800 – 1700 and
 Sunday, 10 February 2013 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, but are not required, to contribute \$10 to defray the cost of lunches for both days.
6. The Technician License Class Coordinator is Gordon, NQ4K, nq4k@arrl.net.
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

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://copaseticflows.appspot.com/hamtest>

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/.

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These presentations and instructors are:

T1 - FCC Rules, descriptions and definitions for the amateur radio service, operator and station license responsibilities.	Paul, K4PDF, & Chris, KK4HDG
T2 - Operating Procedures	Paul, K4PDF & Chris, KK4HDG
T3 - Radio wave characteristics, radio and electromagnetic properties, propagation modes	John, KK4AHY
T4 - Amateur radio practices and station set up	John, KK4AHY
T5 - Electrical principles, math for electronics, electronic principles, Ohm's Law	Mark, KI4OBT
T6 - Electrical components, semiconductors, circuit diagrams, component functions	Henry, K2BFY
T7 - Station equipment, common transmitter and receiver problems, antenna measurements and troubleshooting, basic repair and testing	John, KA4DPO
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.

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.