

## SPARC Technician Class – May 2013

1. The Sterling Park Amateur Radio Club will conduct a Technical License preparation class.
2. Date/Time:  
Saturday and Sunday, 18-19 May 2013.  
Class                      Saturday, 18 May 2013 0800 – 1700 and  
   Sunday, 19 May 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](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/](http://www.rtsi.com/~HRInstructor/Technician_2010/T1-T0/).

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These presentations and instructors are:

Saturday		
0800-0900	T1 - FCC Rules, descriptions and definitions for the amateur radio service, operator and station license responsibilities.	Paul, K4PDF, & Chris, KK4HDG
0900-1000	T2 - Operating Procedures	Paul, K4PDF, & Chris, KK4HDG
1000-1100	T9 - Antennas, feedlines	Kevin, W4KLS
1100-1200	T0 - AC power circuits, antenna installation, RF hazards	Jim, KF4PQL
1200-1300	Lunch (provided at class site)	
1300-1400	T5 - Electrical principles, math for electronics, electronic principles, Ohm's Law	Mark, KI4OBT
1400-1500	T6 - Electrical components, semiconductors, circuit diagrams, component functions	Gordon, NQ4K
1500-1600	T7 - Station equipment, common transmitter and receiver problems, antenna measurements and troubleshooting, basic repair and testing	Gordon, NQ4K
1600-1700	T8 - Modulation modes, amateur satellite operation, operating activities, non-voice communications	Jim, KF4PQL
Sunday		
0800-0900	T3 - Radio wave characteristics, radio and electromagnetic properties, propagation modes	John, KK4AHY
0900-1000	T4 - Amateur radio practices and station set up	John, KK4AHY
1000-1130	Review / practice exams	All
1130-1230	Lunch (provided at class site)	

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)

- Class notice will be posted to the SPARC web site.
- Notice of technician class and VE examination session will be submitted to ARRL for posting to their web site.
- Press releases will be submitted to the local newspapers.

#### 11. Food and drink (Gordon, NQ4K)

- Donuts will be available prior to beginning of class each day (dunkin donuts. 2 doz / 17 people for each day).
- Light lunch will be provided each day (
  - Saturday: pizza (Joe's Restaurant – 1 large/ 4 people)
  - Sunday: Subway subs. 1 - 12 inch / 2 people, cut into 1/3s. plus 2x large bags of chips.
  - Dessert: 3 boxes of cookies (1-1/2 per day).
- Soft drinks (1 case water, 2 cases (24 each) soda. In cooler with ice. Coffee from Dunkin donuts.