

## SPARC Technician Class – May 2014

1. The Sterling Park Amateur Radio Club will conduct a Technical License preparation class.
2. Date/Time:  
Saturday and Sunday, 17-18 May 2014.  
Class                      Saturday, 17 May 2014 0800 – 1700 and  
   Sunday, 18 May 2014 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. We have limited classroom space so prior registration is requested.
5. Fees: There is no fee for participation in the technician license class. Attendees may, but are not required to, contribute \$20 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.qsl.net/sterling/Licensing/licensing.html> or 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 "T1-T0 Info&QA's (220)+(404)=(634).ppt" is available at <http://www.qsl.net/sterling/Licensing/licensing.html> or from <http://wb5qng.org/index.php/class-files/>.

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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	Chris, KK4HDG Paul, K4PDF
1000-1100	T6 - Electrical components, semiconductors, circuit diagrams, component functions	Gordon, NQ4K
1100-1200	T7 - Station equipment, common transmitter and receiver problems, antenna measurements and troubleshooting, basic repair and testing	Kevin, W4KLS
1200-1300	Lunch (provided at class site)	
1300-1400	T0 - AC power circuits, antenna installation, RF hazards	Kevin, W4KLS
1400-1500	T9 - Antennas, feedlines	Forrest , N4UTY
1500-1600	T3 - Radio wave characteristics, radio and electromagnetic properties, propagation modes	Henry, K2BFY
1600-1700	T4 - Amateur radio practices and station set up	Henry, K2BFY
Sunday		
0800-0900	T5 - Electrical principles, math for electronics, electronic principles, Ohm's Law	Mark, KI4OBT
0900-1000	T8 - Modulation modes, amateur satellite operation, operating activities, non-voice communications	Jim, KF4PQL
1000-1130	Review / practice exams	All
1130-1230	Lunch (provided at class site)	

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. Notice of technician class and VE examination session will be submitted to ARRL for posting to their web site.

11. Food and drink. (Coordinator: Gordon, NQ4K)

- a. Donuts and coffee prior to beginning of class each day
  - Dunkin Donuts. 2 doz / 17 people for each day.
  - 2 containers coffee – 1 regular, 1 decaf for 1<sup>st</sup> day. 1 additional container for 2<sup>nd</sup> day.
- b. Light lunch provided each day
  - Saturday: pizza from Joe's Restaurant
    - Order at 1000 for lunch at 1200 703-444-9500. 1 large/ 4 people)
  - Sunday: Subway subs.
    - 1 - 12 inch / 2 people, cut into 1/3s plus 10 percent. plus 2x large bags of chips.
    - Dessert: 3-4 boxes of cookies (split between both days).
- c. Soft drinks (1 case water, 2 cases (24 each) soda. In cooler with ice.
- d. Roll of paper towels. Stack of disposable cups. Paper plates.