

SPARC Technician Class – September 2014

1. The Sterling Park Amateur Radio Club will conduct a Technical License preparation class.
2. Date/Time:
Saturday and Sunday, 13-14 September 2014.
Class Saturday, 13 September 2014 0800 – 1700 and
 Sunday, 14 September 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.kb6nu.com/wp-content/uploads/2014/05/2014-no-nonsense-tech-study-guide-v1.0.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/>. This has not yet been updated to the current question pool.

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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)	

10. Radios station set up for familiarization by students. Kevin, K4KLS
11. 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.
12. Food and drink. (Coordinator: TBD)
- 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 1st day. 1 additional container for 2nd day.
 - Light lunch provided each day
Saturday: pizza from Joe's Restaurant
Order at 1000 for lunch at 1200 703-444-9500. 1 large/ 3 people)
Sunday: Subway subs. 21800 Towncenter Plz., Sterling, VA 20164 571-434-9170
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).
 - Soft drinks (1 case water, 2 cases (24 each) soda. In cooler with ice.
 - Disposables: Roll of paper towels, disposable cups, paper plates, trash bags