

SPARC Technician Class – February 2016

1. The Sterling Park Amateur Radio Club will conduct a Technician License preparation class.
2. Date/Time:
Saturday and Sunday, 20-21 February 2016
Class Saturday, 20 February 2016, 0800 – 1630 and
 Sunday, 21 February 2016, 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 the Technician license preparation class. Classroom space is limited 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 drinks and lunches for both days.
6. The Technician License Preparation Class Coordinator is Gordon, NQ4K, nq4k@arrl.net.
7. Pre-class study.
Students should read a technician class study guide.

The recommended material is available for free on the internet at
<http://www.kb6nu.com/wp-content/uploads/2015/03/2014-no-nonsense-tech-study-guide-v20.pdf>.

Other self-study guides are available from:
ARRL at [http://www.arrl.org/shop/ARRL-Ham-Radio-License-Manual-3rd-Edition/](http://www.arrl.org/shop/ARRL-Ham-Radio-License-Manual-3rd-Edition/W5YI)
W5YI Group at <http://www.w5yi.org/catalog.php?sort=4>

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>

8. Publicity. (Coordinator: Gordon, NQ4K)
Class notice will be posted to the SPARC web site, the ARRL web site, and the W5YI website.
9. Food and drink. (Coordinator: TBD)
 - 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 1st day. 1 additional container for 2nd 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/ 3 people)
Sunday: Subway subs. 21800 Towncenter Plaza, 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).
 - c. Soft drinks (1 case water, 2 cases (24 each) soda placed in cooler with ice.
 - d. Disposables: Roll of paper towels, disposable cups, paper plates, trash bags

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10. Instructor-Guided Class:

12 hours of class cover all sub-elements of the technician class licensing test. The class material is the current version of the K3DIO instructor presentation.

Element – Description	Sub Elements	Briefing Pages	Start Time	Duration	Instructor
Saturday					
T1 – FCC Rules, descriptions and definitions for the Amateur Radio Service, operator and station license responsibilities	6	114	0800	2:00	Paul, K4PDF
T2 - Operating Procedures	3	56	1000	1:00	Chris, KK4HDG
T3 – Radio wave characteristics: properties of radio waves; propagation modes	3	54	1100	1:00	Bill, K4UPE
Lunch (at class site)			1200	1:00	
T4 - Amateur radio practices and station set up	2	40	1230	1:00	Bill, K4UPE
T9 – Antennas and feed lines	2	44	1330	1:00	Forrest, N4UTY
T0 – Electrical safety: AC and DC power circuits; antenna installation; RF hazards	3	55	1430	1:00	Kevin, W4KLS
T7 – Station equipment: common transmitter and receiver problems; antenna measurements; troubleshooting; basic repair and testing	4	77	1530	1:00	Kevin, W4KLS
End of Saturday Class			1630		
Sunday					
T5 – Electrical principles: math for electronics; electronic principles; Ohm’s Law	4	80	0800	1:00	Mark, KI4OBT
T8 – Modulation modes: amateur satellite operation; operating activities; non-voice communications	4	73	0900	1:00	Blair, KC9BBW
T6 – Electrical components: semiconductors; circuit diagrams; component functions	4	70	1000	1:00	Monte, KV4KS
Practice Exams			1100	1:00	
End of Sunday Class			1200		
Lunch (at class site)			1200	1:00	
Examination			1300		