

SPARC Technician Class – September 2016

01. The Sterling Park Amateur Radio Club will conduct a Technician License preparation class.

2. Date/Time:

Saturday and Sunday, 10-11 September 2016

Class Saturday, 10 September 2016, 0800 – 1700 and
 Sunday, 11 September 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.

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/>

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. Refreshments (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 1st day. 1 additional container for 2nd day.

b. Soft drinks (1 case water, 2 cases (24 each) soda placed in cooler with ice.

c. Disposables: Roll of paper towels, disposable cups, trash bags.

10. Lunch: Participants should make provisions for lunch each day. Participants may bring in a bag lunch or go out for lunch.

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11. Instructor-Guided Class:

Twelve (12) hours of class cover all sub-elements of the technician class licensing test. The class material/presentation 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 | | | 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 | Earl, KB0NRK |
| 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 | | | 1200 | 1:00 | |
| Examination | | | | | |
| | | | 1300 | | |