



DRX-Ascend / Q-Rad System Service Training (4.5 Day)

Audience: Biomedical Engineers, Dealers & Business Partners who support the DRX Ascend & Qrad systems.

Objective & Learning Outcome:

Upon successful completion of this course the student will be able to:

- Understand the components that are integrated to make up an analog or digital System
- Understand component interconnections for analog, and DirectView / ImageView based digital systems
- Understand the operation of analog and digital Systems
- Perform configuration and calibration of the Carestream Generator
- Perform configuration and calibration of the Quantum Generator.
- Use the oscilloscope to troubleshoot each generator type
- Describe the operation of the major components of a System.
- Troubleshoot the major components of a System.
- Perform component adjustments and replacements
- Understand preventive maintenance tasks

Training Outline:

Training is performed by a Carestream Technical Trainer or Product Specialist. The class is structured with Instructor Led lecture/discussion and practical hands-on exercises.

Tentative daily schedule:

Day 1:

1. Ascend & Q-Rad System / Component and Interconnect Overview
2. Ascend / Q-Rad Digital Integrated System- DirectView and ImageView-based

Day 2:

3. Carestream Generator for Mid-tier Systems

Day 3:

4. QMI Generator
5. Legacy Operator Consoles
6. Bucky Trays
7. Tables

Day 4:

8. Wall Stands
9. AEC Calibration
10. TechVision
11. Collimators / DAP

Day 5:

12. RS-590 OTC
13. Auto Tracking
14. QS-550 Floor Mounted Tube Stand
15. Service Publication Review
16. Integrated Illustrated Parts List
17. Preventative Maintenance Tasks
18. Final Exam

Prerequisites:

Before attending, the participant **MUST** have completed the following prerequisites:

- Xray Fundamentals (RSTI Level 1, DITEC or Carestream Online Xray fundamentals course in the Technical Learning Center)
- DRX-1 System Training
- ImageView Software online training assigned at registration. This training is located on the Carestream Technical Learning Center

Recommended background or experience:

- Basic electronics and mechanical background.
- Basic understanding of the use of Windows and the laptop.
- An understanding of networking concepts and basic network troubleshooting.

Required student tools:

Participants are required to bring a laptop computer or tablet to class.

The laptop or tablet should include:

- USB-A port (class materials are provided on a USB Flash Drive)
- Microsoft Office
- PDF Reader
- Wireless Networking capabilities
- Chrome or Edge web browser

Deliverables:

- Certificate of attendance available in the Technical Learning Center
- Course Training Content
- Access to Service Assets Portal for Service documentation and Service Bulletins
- SecurLink Access for **Ascend / Qrad**
- LP/ CP access code for phone support through the COE (US&C only)

Other Information:

- Training will be performed in English unless otherwise communicated.
- The student is responsible for all transportation to and from the training facility.
- Participants may be required to share equipment during the lab exercises.

Schedule:

- In general, classes begin at 8 AM and conclude at 5 PM M-Thur. Classes end at 12 pm on Fridays unless otherwise noted.
- Participants must allow at least 1.5 hours between completion of class and travel departure.

Contact Information for Regional Training Coordinators**Rochester, NY**

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