

Servicing the Philips Azurion Cath Lab (2.5 Day Differences from Allura FD10/20)



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Introduction

The Philips Azurion Cath Lab Family course is a 2.5-day differences course for engineers who have already completed RSTI's Allura FD10/FD20 Cath lab training class.

The Azurion class is designed to build on the Allura FD platform to provide experienced service professionals with the skills necessary to fully service and calibrate the Azurion single/dual detector cath lab system. The Allura R8.2 & the Azurion utilize the CerteRay Generator. Calibrations are accessed through PSC (Philips Support Connect).

Prerequisites

To attend this course, the service professional must have completed RSTI's Allura FD10/FD20 Cath lab training class.

Students must bring a service PC (with admin privileges) to the class.

Objectives

- Identify Azurion models and review the differences from the Allura FD10/20 R7 & R8's.
- Identify all major components of the Azurion system and understand their function
- Review Service access, service documentation. Test InCenter account access, IST functionality, and service key functionality.

- Perform operations procedures on the Azurion to understand application differences from the Allura.
 - Perform component identification to review all Azurion hardware & changes from the Allura.
 - Perform all system calibrations and adjustments to maintain the highest quality images
 - Replace and calibrate certified components
 - Perform a complete and thorough preventive maintenance inspection on the unit
- MRC 200+ 0407
 - MRC 200+ 0508
 - o TSO's
 - Combined Control Module
 - o MPDU
 - o TSM's
 - PSC (Philips Support Connect) overview
 - Service documentation
 - Terms & Acronyms
 - Required tools & test equipment

Course Outline

DAY 1

- Introduction to Azurion models and release timeline, comparing against Allura FD10/20 R7.X, R8.1, & R8.2
 - o Azurion M3/M5/M7
- AIAT registration
- InCenter & IST testing
- Major system components
 - o M cabinet
 - o R cabinet
 - o Generator
 - CerteRay
 - o Detector
 - FD12/15/20
 - o Table
 - AD7
 - o Stand
 - CLEA2
 - o Tube

DAY 2

- Power distribution
- System Architecture
 - o Component ID
 - M cabinet
 - R cabinet
 - Generator
 - AD7 Table
 - o Geometry subsystem
 - EtherCAT
 - Geometry components
 - o B-Cabinet
 - Flexvision & Flexview PC
 - o CerteRay Generator
 - XSC
 - HiVO
 - ADU
 - POINT
 - MIU
- Geometry
 - o CLEA2
 - NIU's
 - AMC's
- System Interconnect diagrams
- Network configuration
 - o Ethernet config

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- PACS
- HIS/RIS
- Lab Activities
 - Table functions
 - FPC navigation
 - Software configuration
 - Network Configuration
 - Firmware
 - Geometry calibrations
 - Potentiometer adjustments
 - Tube Change
 - Tube calibrations
 - Detector Change
 - Physical Change
 - Detector calibrations

DAY 3

- Preventive maintenance
- System service procedures
- Lab Activities
 - PM overview
 - Image Quality testing
- System Diagrams & Subsystems
 - Geometry
 - System Interface
 - Generator
- Troubleshooting
 - Error Log analysis
 - Geometry Backup & Troubleshooting
 - System Bugs
- Course review
- Course evaluation
- Final exam