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COMMSCOPE®

Small Cell Training Catalog - 2025

EMEA/APAC Regions

eLearning & Webinar Training

CommScope offers a variety of eLearning and webinar training. Individuals can attend the training at their convenience

Instructor Led Training

CommScope offers Classroom and Virtual training for groups/individuals. Private training sessions are available upon request.

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Introduction

Small Cell Training offers Instructor Led Training (virtual or on site), eLearning, and webinars for Small Cell in-building wireless solutions. The Instructor Led Training is focused on the ONECELL small cell product. Registered users can utilize a variety of self-paced eLearning courses in addition to attending live training events, such as distance learning Virtual Trainings sessions along with focused workshops and product-based classroom instruction. Users have access to the CommScope University Learning Management System (LMS), where they can track their in-progress and completed courses, review transcripts and pull information in training completions and certifications.

New User Registration

To enroll in courses, you must first be registered in the learning portal, CommScope University (CU). The following steps need to be followed to complete the registration proves.

- Go to https://www.commscope.com/

- Click on the Login icon at the top of the page

- Click on the "*Create an Account*" button at the bottom of the page

- Complete the "*New User Registration*" form

- After My CommScope registration is complete login and request access to CommScope University

- After completing the access request Log out and then back into My CommScope

- On the My CommScope page click on the CommScope University (CU) tile for access to CU

- On the CU Dashboard select the DAS and Small Cell Training tile to access to the desired training

Here is a link to a tutorial video that will walk you through the registration process for setting up a My CommScope account and then requesting access to CommScope University - CU Registration

Registered User Login

If you are already a registered user with CommScope's DAS and Small Cell Training, you can login using the steps below.

- Go to https://www.commscope.com/

- Click on the Login icon at the top of the page

- On the My CommScope page click on the CommScope University (CU) tile for access to CU

- On the CU Dashboard select the DAS and Small Cell Training tile to access to the desired training

Course Enrollment

At the CommScope University Dashboard you identify and enroll in the desired course using the steps below.

Find the desired training

Use one of the following methods to find the desired training:
1. Search for training by typing search words in the 'Search" bar
   OR
2. Click on the "DAS and Small Cell Training" tile, then select a course from the desired catalog

Enroll in the training

E-Learning Courses

Identify the desired course and click on the "Enroll" button on the course tile. The "Enroll" button will change to the "Start" button. Click on the "Start" button and then simply follow the requirements for that course to completion.

Instructor Led Courses

1. Identify the desired course tile
2. Click on the button with a shopping cart and dollar value listed
3. The "dollar value" on the button will change to "added to cart", click on the button again.
4. Proceed through the checkout process.
   a. If you have a coupon code for a discount on the dollar value enter it and click "Apply"
   b. Click on the "Proceed to Checkout" Button, and a second time to confirm.
   c. Enter in the needed information and Click on the "Proceed to Checkout" Button
   d. The "Order Complete" window will appear. Click on the "View Course" button
5. Click on the "Enroll" button for the course, the button will change to "View", click on it to see the available dates for the training.
6. Click on the "Enroll" button for the desired training date. At this point you are enrolled in that date. You do have the option to either change or cancel the session at that point. Here is a link to an external [Training Calendar](#) to view schedule of upcoming Instructor led training sessions, so you can identify the desired date before you enroll.

Here is a link to a tutorial video that will walk you through navigation in CommScope University and [DAS and Small Cell Training.](#)

Private Training Sessions

Any of the instructor-led courses are available as a private training class.

We can work with you and your local CommScope sales representative to develop a customized program that best fits your needs. Venue and cost for such training sessions will be determined on a case-by-case basis.

Please contact us at icn_training@commscope.com

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For more information visit our [Training Web Page](#)

eLearning Courses

This section of eLearning courses will give the learner a better understanding of CommScope's DAS and Small Cell and supporting technologies. These eLearning courses and instructional videos will give the learner a head start when attending our Instructor Led Training, so they can be more involved in class from the start. These courses offer preparation for any training that is attended in either a Classroom or Virtual environment.

EMEA Region Courses \ Audience		Installation & Commissioning	System Operations	System Engineering	Project Management
Online Learning					
ND5101	Avoiding PIM in DAS Installation	X	X	X	X
ND5103	Understanding dB and dBm	X	X	X	X
ND5104	Wireless & DAS 101	X	X	X	X
ND7111	ONECELL Overview	X	X	X	X
ND7150	ONECELL DMS Network Management Overview				
ND7504	CBRS System Specialist		X	X	X
ND7506	CBRS Installation and Commissioning	X			X
ND7507	CBRS Operation and Maintenance	X	X	X	X

[ND5101] Avoiding PIM in DAS Installation

Overview

This eLearning provides the learner an overview of Passive Intermodulation (PIM) and its impact on DAS installation. It also covers CommScope's PIM calculation tool and best practices to avoid PIM in DAS installations.

Target Audience

Anyone involved with DAS installation, commissioning, optimization & troubleshooting.

Objectives

The objectives of this video for learners are to:

- Gain an understanding of PIM and how it affects DAS installations.
- Learn how to calculate PIM frequencies.

Est. duration (28 mins)

[ND5103] Understanding dB and dBm

Overview

This instructional video aims to educate the learner on the basic RF calculation terminology dB & dBm.

Target Audience

Anyone involved in DAS design and commissioning.

Objectives

The objectives of this instructional video are to:

- Describe the difference between dB and dBm.
- Provide examples of real-life calculations using dB and dBm.

Est. duration (12 mins)

For more information visit our Training Web Page

[ND5104] Wireless & DAS 101

Overview

This course provides a fundamental understanding of the increasing need for wireless coverage and capacity, the role of distributed antenna systems (DAS) to deliver wireless service, and CommScope products and their applications. It provides a foundation for the subsequent CommScope eLearning courses.
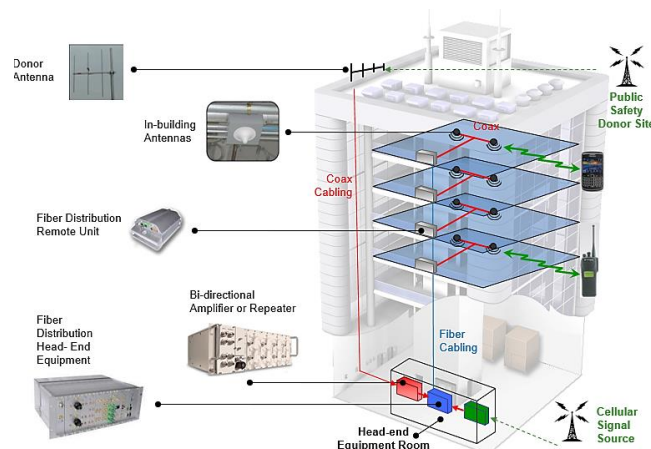
Target Audience

Any person who would like to learn the fundamentals of wireless and active DAS.

Objectives

- Provide an overview of wireless technology.
- Provide an overview of active DAS.

Est. duration (30 Mins)

[ND7111] OneCell Overview

Overview

This is CommScope's OneCell Overview. The module will provide a high-level overview of the OneCell Solution.

Target Audience

This eLearning course is designed for anyone who is interested in learning about CommScope's OneCell Solution.

Objectives

This module is intended to provide:
- OneCell basics
- OneCell benefits
- OneCell Component
- Overview of the DMS

Est. duration (30 Mins)

[ND7150] Device Management System (DMS) for OneCell Overview

Overview

This is CommScope's Device Management System (DMS) Overview. The module will provide a high-level overview of the DMS.
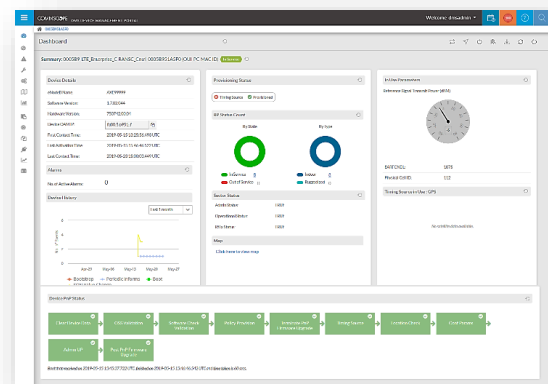
Target Audience

This eLearning course is designed for anyone who is interested in learning about CommScope's Device Management System.

Objectives

This module is intended to provide:

- DMS basics
- DMS features
- Cover briefly the Network Management Console
- Cover briefly the Device Management Console

Est. duration (30 mins)

[ND7504] CBRS System Specialist

Overview

The training will address the overall CBRS market, the Ruckus offering, how to plan, design and set up a CBRS network, and an introduction to key CBRS device and solution ecosystem partners.

Target Audience

Network deployment and operations professionals who work with Certified Professional Installers utilizing the Citizens Broadband Radio Service or CBRS band, but anyone with an interest in CBRS can benefit from this course.

Objectives

The training is comprised of four recorded webinars:

- CBRS Introduction, Sales and Marketing
- Overview of the CBRS Solutions
- CBRS Deployment and Management
- CBRS Technical Solution Update

At the conclusion of the training there is a knowledge assessment, and the passing score is 80%. Retakes of the exam are allowed after a 24-hour period.

Est. duration (4 housr)

[ND7506] CBRS Installation and Commissioning

Overview

This training curriculum consist of self- paced training videos for CBRS installation and Commissioning. Successful completion will give you the comprehension of how to install the CBSDs (Q410, Q710, Q910) and then complete the commissioning process. Commissioning topics include: How to activate a License, Add Venues, Add a Network and SAS, Add Access Points and also how to manage the SIM Management Service (SMS) portal.

Target Audience

Certified Professional Installers that will be installing and maintaining CBRS equipment.

Objectives

Upon completion the learning will be able to:

- Identify CommScope's RUCKUS CBRS components and system architecture
- Demonstrate how to correctly install the CBSDs
- Properly commission CBRS components

Est. duration (1.5 hour)

"I really appreciated the eLearning. It's easy to use and easy to come back to the needed information. Great!"

- Anonymous student

[ND7507] CBRS Operation and Maintenance

Overview

This training curriculum consist of self- paced training videos for CBRS installation and Commissioning. Successful completion will give you the comprehension of how to install the CBSDs (Q410, Q710, Q910) and then complete the commissioning process. Commissioning topics include: How to activate a License, Add Venues, Add a Network and SAS, Add Access Points and also how to manage the SIM Management Service (SMS) portal.

Target Audience

Certified Professional Installers that will be installing and maintaining CBRS equipment.

Objectives

Upon completion the learning will be able to:
- Identify the Building Blocks and Network Topology CommScope's RUCKUS CBRS
- Demonstrate how to troubleshoot:
  - IP Layer Based Issues
  - Basic Application Issues
  - LTE related Issues
  - AP State Issues
- Identify Ruckus LTE CRBS Alarms and Documentation

Est. duration (1.5 hour)

Instructor-Led Training

CommScope's DAS and Small Cell instructor-led courses offer students in class training that typically runs from 1 to 2 days. Our instructor-led courses are offered virtually, via online training platforms, or at the CommScope training center in Richardson, TX (USA). The installation and commissioning certification training courses include PowerPoint presentations, hands-on exercises covering equipment configuration and GUI (Graphical User Interface) operations. Any certified training can be requested as private training for groups of 8 max individuals and will be quoted on an individual basis. For more information on private training, see Private Training Sessions.

North American Region Courses \ Audience		Installation & Commissioning	System Operations	System Engineering	Project Management
Instructor Led Training – Delivered Virtual and In-Classroom					
ND7210	OneCell Technical Solution Overview (1/2 Day)	X	X	X	X
ND7222	OneCell On-Site Installation & Commissioning (1/2 Day)	X			X
ND7230	OneCell System Design (1/2 Day)			X	X	X

Certification

Upon completion of a certification course the learner will receive a 2-year certificate. Once the certification expires, the student may recertify by completing either the eLearning recertification course to receive an additional year of certification or by completing the ILT certification course to receive an additional 2 years of certification.

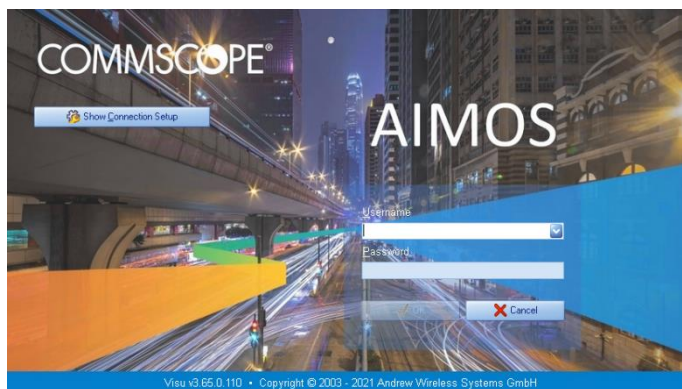# [ND5111] AIMOS Technical Solution Overview

Overview

This ½ day course is designed to enable students to perform, network operation from AIMOS visualization.

Target Audience & Class Size

All CommScope partners and NOC engineers involved with or need a detail understanding of AIMOS operation. The class min/max size is 4/8.
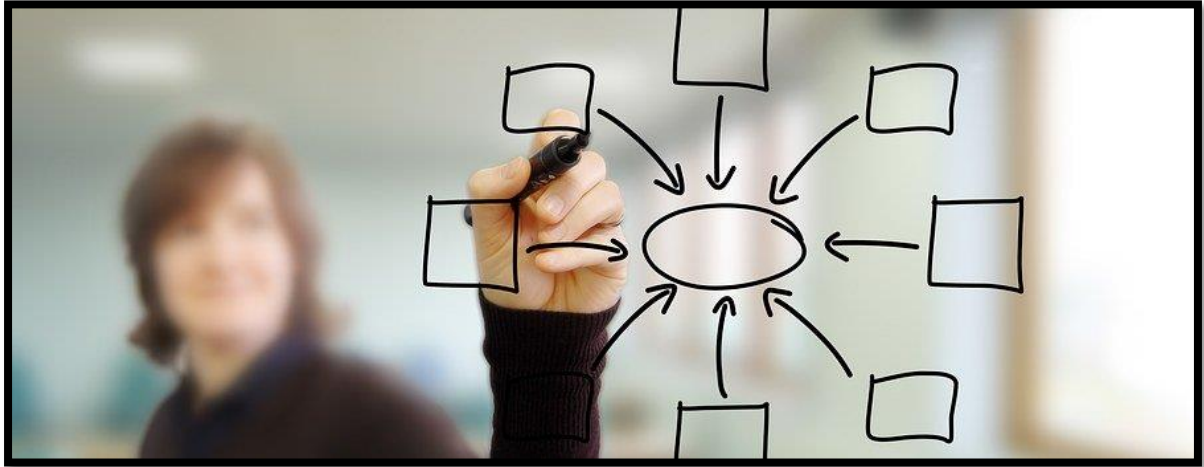
Curriculum

- Explain the basic AIMOS architecture/structure
- Explain the communication principle between Repeater and AIMOS
- AIMOS GUI usage
- Integrate DAS/Repeater into AIMOS
- Login DAS system with AIMOS and perform basic operations
- Interpret incoming alarms
- Fault management
- Configuration management
- Performance management
- Network Element Management

"Your visual assisted training was exceptional compared to other DAS training provided. The pace and quantity of content was just right for my desired learning."

Anonymous student

"The instructor did an excellent job of gauging my level of understanding and would use analogies to convey the subject matter. I have been removed from the technical aspect of DAS and I appreciated that."

- *Anonymous Student*

[ND7210] OneCell Technical Solution Overview

Overview

The ½ day course will provide a detailed summary of the OneCell Solution. It highlights the benefits of implementing the solution, the system components and connectivity requirements. The course also provides an overview of the system installation, configuration, monitoring and performance management processes.

Target Audience & Class Size

This course is designed for management and technical support personal needing a more in-depth understanding of the OneCell Solution. The class min/max size is 6/15.

Objectives

Upon completion the learning will be able to:
- Describe the OneCell Solution.
- Identify the different hardware units the comprise a OneCell system.
- Define the basic connectivity requirements for the system.
- Describe the basic process of installing and configuration the hardware units.
- Describe the elements used to execute system monitoring and performance management.

[ND7222] OneCell On-Site Installation and Commissioning

Overview

This ½ day **Certification** course is designed to enable students to perform the installation and commissioning of a OneCell Coverage Solution. Includes detailed installation instructions for Baseband Controller and Radio Points hardware, planning the installation, performing the physical install, configuring, commissioning the installed equipment to an in-service state and performing the system operational verification tests.
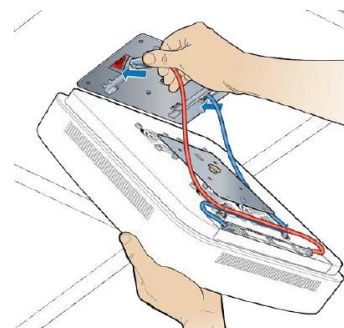
Target Audience & Class Size

All CommScope partners and any integrators that need to be certified in the installation and commissioning of a OneCell Solution. The class min/max size is 4/8.

Objectives

Upon completion the learning will be able to:
- Describe the OneCell System Architecture.
- Identify the different hardware units the comprise a OneCell system.
- Define the process and requirements for installing OneCell system components.
- Identify the process of installing and commissioning the OneCell hardware units and system.

[ND7230] OneCell System Design

Overview

This ½ day **Certification** course is designed to train students to design and engineer a OneCell as a Coverage Solution system by determining the number and location of the Baseband Controller(s) and Radio Points and for optimal performance, along with the determining the associated backhaul and fronthaul requirements and equipment.
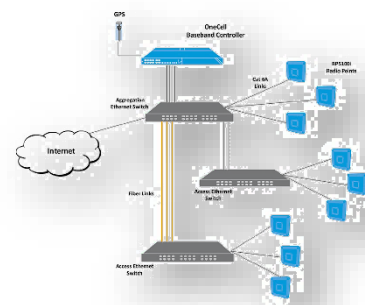
Target Audience & Class Size

All CommScope partners and any integrators that are involved with performing a OneCell as a Coverage Solution system design solution. The class min/max size is 4/8.

Objectives

Upon completion the learning will be able to:
- Determine the number and location of the Baseband Controller(s)
- Determining the number of Radio Points and placement for optimal performance
- Identify the different hardware units the comprise a OneCell system.
- Define the process and requirements for installing OneCell system components.
- Identify the process of installing and commissioning the OneCell hardware units and system.

Re-Certification

Re-Certification on a product can be completed in two ways, either by taking the original Instructor Led certification course again and receiving a new 2-year certification, or by completing our eLearning recertification courses (listed below) a receiving a new 1-year certification. The eLearning recertification course is a self-paced option, enabling the student to complete eLearning learning modules and instructional videos at their own pace, which is followed by a course exam. When a student successfully completes the eLearning re-certification option, they will be recertified for 1 year. After the 1-year re-certification expires, and they want to recertify again, they are required to attend the instructor led certification course and will receive an additional 2 years of certification. *Note the eLearning re-certification course must be taken within 1 month of certification expiration.

[ND6469] ERA Installation & Commissioning (Re-Certification)

Overview

This eLearning **Re-Certification** training course allows those who have completed the [ND6460] ERA Installation & Commissioning course to recertify their certification for 1 year before having to attend a classroom certification course.

Pre-requisites

Successful completion of [ND6460] ERA Installation & Commissioning.

Target Audience

Any personnel who have successfully completed CommScope's [ND6460] ERA Installation & Commissioning course.

Objective

This eLearning training course is designed to recertify the student's ability to design, install and commission CommScope's ERA DAS solutions. The student must complete the eLearning training modules and pass the course exam.

Certification

Upon completion of the eLearning recertification course the student will receive a 1-year ERA Installation & Commissioning certification. After the 1-year certification has expired, the student must attend the instructor led certification course to maintain active certification for the product.

[ND6466] ERA Operation & Maintenance (Re-Certification)

Overview

This eLearning **Re-Certification** training course allows those who have completed the [ND6467] ERA Operation & Maintenance course to recertify their certification for 1 year before having to attend a classroom certification course.

Pre-requisites

Successful completion of [ND6467] ERA Operation & Maintenance.

Target Audience

Any personnel who have successfully completed CommScope's [ND6467] ERA Operation & Maintenance course.

Objective

This eLearning training course is designed to recertify the student's ability to operate, troubleshoot and maintain an ERA system. The student must complete the eLearning training modules and pass the course exam.

Certification

Upon completion of the eLearning recertification course the student will receive a 1-year ERA Installation & Commissioning certification. After the 1-year certification has expired, the student must attend the instructor led certification course to maintain active certification for the product.

Legacy Product Support

If there is a need for training on legacy products, such as Prism, ION-B, ION-M and ION-U, we can assist you with that. You'll need to submit an email request to icn_training@commscope.com, and in the request please identify the product type, specific training need (i.e. Operations, Maintenance, etc.), the number of personal that need the training and the desired timeframe for delivery of the training. We will evaluate the request and reply with potential options to address your needs. Regarding the timeframe for delivery, there will normally be a minimum of 60 days required, from the time the desired training is agreed upon, to the delivery date of the actual training session.

Legacy Product Training Areas
ION-M Installation & Commissioning
ION-M Operation & Maintenance
ION-U Installation & Commissioning
ION-U Operation & Maintenance
Prism Installation & Commissioning
ION-B Operation & Maintenance
Node A+/AM Installation, Commissioning & Maintenance

Webinars

CommScope regularly offers webinars on various topics that are often recorded and posted to our learning management system to be viewed for convenience or future reference. Please contact us to inquire about or request other topics. Mobility Solutions Training webinars can be requested via email and will be reviewed on a case to case basis. To request a webinar, you can email a request to icn_training@commscope.com.

Cancellation and No-Show Policy

CommScope's DAS and Small Cell Training will adhere to the following cancellation policy regarding all training courses. By registering for any course, you acknowledge that you agree and consent to the terms of this cancellation policy. CommScope is not responsible for any losses that may be incurred due to a failure to abide by this cancellation policy.

ALL CANCELLATIONS MUST BE SENT IN WRITING TO: icn_training@commscope.com.

E-Learning Training Cancellation Policy:

The following policy shall apply to CommScope's DAS and Small Cell Training E-Learning Training classes. Credit Card payments will be charged upon registration for the class.

Cancellation requests must be made in writing by emailing icn_training@commscope.com Except for the issuance of a voucher to a participant in the limited circumstances as provided below, CommScope shall not be responsible for any loss incurred by the participant as a result of cancellation.

Cancellation requests must be made within 48 hours of course registration, if none of the course materials have been accessed. Cancellations that meets these criteria will be issued a voucher* equal to the amount that the participant paid for the current registered e-learning course. This voucher may be applied toward a future e-learning training course offered through CommScope's DAS and Small Cell Training Training site. This voucher must be used within one (1) year of the original registration date. No vouchers will be honored after such one (1) year period.

* Vouchers are the customary method of resolving cancellations within the policy time period noted above. Alternatively, a participant eligible for a voucher can request for approval for a credit card refund of the amount paid by the participant for the current registered class, and CommScope shall determine in its sole discretion whether to grant approval. Such requests for refunds must be sent to icn_training@commscope.com.

Instructor-Led Training Cancellation and No-Show Policy:

The following policy shall apply to CommScope's DAS and Small Cell Training Instructor-Led Training classes. Credit Card payments will be charged upon registration for the class. If you wish to cancel or reschedule a class for which you have registered and been confirmed for in writing, we will try to accommodate your request, subject to the Cancellation Policy. Except for the issuance of a voucher or a refund to a participant in the specific, limited circumstances as provided below, CommScope shall not be responsible for any loss incurred by the participant as a result of cancellation.

Table 1 - Instructor-Led Training Cancellation and No-Show Policy		
Policy Area	**Timing**	**Action**
Participant Cancels	10 days or more from scheduled training class	CommScope will issue a voucher* equal to the amount paid for the current registered class to apply toward a future in-person training offered through the CommScope DAS and Small Cell Training site. This voucher must be used within one (1) year of the original class date. No vouchers will be honored after such one (1) year period.
	9 days or less from scheduled training class	No voucher or refunds will be made for cancellations within nine days of the scheduled training date.
No Shows		No vouchers or refunds will be made for "No Shows" (a "No Show" is a person who registers for the training but does not cancel or attend the training class).
CommScope Cancels Class		If a training class that participant is registered for is cancelled by CommScope due to circumstances beyond its reasonable control (e.g. minimum class size requirements not met, weather, natural disasters, etc.) and participant chooses not to reschedule such training class, CommScope will issue a refund equal to the amount paid for such registered class. CommScope also reserves the right to cancel registrations of its competitors, and no refund or voucher will be issued in such situation.
Private Training Cancellations by Requestor	20 days or more from scheduled training class	All unrecoverable expenses will be deducted by CommScope from any payment received prior to reimbursement.
Private Training Cancellations by Requestor	20 days or less from scheduled training class	This will be reviewed by CommScope and any unrecoverable expenses will be deducted by CommScope from any payment received.
Substitutions for another student are allowed with at least 24-hour notice prior to the class start date.		
* Vouchers are the customary method of resolving cancellations within the policy time period noted above. Alternatively, a participant eligible for a voucher can request approval for a credit card refund of the amount paid by the participant for the current registered class, and CommScope shall determine in its sole discretion whether to grant approval. Such requests for refunds must be sent to icn_training@commscope.com		

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Contact Us

Got questions on training programs or course pricing? We're here to help!

Small Cell Training – 8am-5pm CST (Mon-Fri)

- Email: icn_training@commscope.com

- Website: Small Cell Training

Got questions on product support? We've got you covered!

Small Cell Technical Support – 24/7

- Website: www.commscope.com/wisupport

- Phone: 1-888-297-6433