



## ND3361 - SYSTIMAX Installation and Maintenance

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### ND3361 - SYSTIMAX Installation and Maintenance

The practical classroom course covers installation, termination and testing practices specific to the complete SYSTIMAX solution to the warranty level, well beyond standards based performance levels. Upon completion, the course allows students to warranty SYSTIMAX sites for installation providing their company is an approved SYSTIMAX Partner.

#### Audience:

This course is designed for Structured Cabling Systems (SCS) technicians who install and maintain SYSTIMAX copper and fiber products. The primary audiences are SYSTIMAX Partners and SYSTIMAX Solutions technical support personnel. The course focus is firmly based around staff involved in project or installer management on site such as foreman, team leaders, senior installers, installers or quality control and inspection staff.

#### Pre-requisite experience:

No pre-requisite experience is required although most attendees will have had at least some exposure to Enterprise structured cabling installation.

This course replaces the ND3341 and ND3360 and is usually delivered as a 2 day classroom course.

#### Objectives:

- Provides a detailed overview of SYSTIMAX SCS terminology, concepts, standards and components.
- Introduce the methods used to install all SYSTIMAX structured cabling solutions.
- Provide a thorough explanation of copper twisted pair products, consisting of cabling, VP360 & Modular Jack cross-connect components including the 360 Panel range and InstaPATCH Cu, InstaPATCH Quattro.
- Detail Fiber components such as OptiSPEED, LazrSPEED and TeraSPEED Systems, indoor and outdoor cabling, ST, SC and LC connectors, Fiber Optic Cross-connect systems including InstaPATCH 360
- Introduce the 360 iPatch and imVision Hardware, concept of iPatch 'Enabled and Ready' and 360 Cable Management.
- Students will learn in workshops how to install, terminate and test to SYSTIMAX registration standards. Installation Quality is the key to the course.

#### Key Topics:

- PowerSUM, GigaSPEED XL and GigaSPEED X10D including 91B cables and outlets
- Cross-connect System VisiPatch 360
- 1100 platform PSCAT5E and XL panels including the 360 panel range
- PATCHMAX Distribution Hardware and PATCHMAX 360
- M2000, M3200 & M4800 patch panels
- Introducing InstaPATCH Cu pre-terminated solutions
- Testing of installed copper links
- Fiber distribution hardware OptiSPEED, LazrSPEED, TeraSPEED and InstaPATCH 360
- Fiber Optic Outside Plant cables and splices

- Fiber Optic cable installation, connectorization and testing
- Introduction to the 360 iPatch Active Hardware, installation and connectivity
- 360 Cable Management Solutions
- Current quality, inspection and testing issues and practices prior to site registration
- The current Do's and Don'ts of installation to the SYSTIMAX registered standard. Current BWPs and Mandatory installation requirements for registration
  - Cable containment specification for GigaSPEED – baskets, trays etc.
  - Power separation to SYSTIMAX and national requirement
  - Termination and Cable Management requirements e.g. Cable 'grooming', bundle sizes, stack heights, pair 'lay' & flute handling
  - InstaPATCH 360 cleaning procedures
  - Fiber Management e.g. when to sleeve & expected power budgets
  - Grounding and Bonding topics including X10D FTP
  - Cleaning fiber connectors SC/LC and MPO

### How will I learn?

ND3361 is instructor-led and includes hands-on workshops throughout the two\* days that the students participate in. Students will receive the ND3361 installation manual, with reference media containing installation videos and associated support material.

\*In some regions this course may be delivered in a more flexible way.

### Successful completion will require:

Full attendance, successful participation in the workshops, feedback sessions and instructor signoff on ALL workshop disciplines.

### Is this the right course for me?

Anyone involved in installing the SYSTIMAX solution will benefit from taking this course. SYSTIMAX is the leading brand in the industry, offering guaranteed performance well beyond that required by the standards. Customers and consultants choosing this solution will expect the installation quality to match the quality of the product so this course will pass on the very best of working practices and those practices unique to the installation of this solution.







### Upon successful completion you will:

Upon completion students from SYSTIMAX Solution Partners will receive a SYSTIMAX ID Badge and Certificate for I&M Authorization to register SYSTIMAX sites for the installation discipline.

BICSI CECs: 15 Event ID: OV-COMMS-IL-1014-7

Certificate valid for 2 years

#### SCHEDULE: ND3361 - SYSTIMAX INSTALLATION AND MAINTENANCE

Course Reference	Country/State	Town/City	Language	Start Date	Days	Availability	
ND3361-141118-NM	United States - New Mexico	Albuquerque		18th Nov 2014	2	FULL/16	
ND3361-141202-IA	United States - Iowa	Des Moines	en	2nd Dec 2014	2	8/12	
ND3361-141202-WA	United States - Washington	Kent	en	2nd Dec 2014	2	FULL/16	
ND3361-141209-AZ	United States - Arizona	Tempe	en	9th Dec 2014	2	9/12	
ND3361-141216-CA	United States - California	San Diego	en	16th Dec 2014	2	1/12	
ND3361-150127-MA	United States - Massachusetts	Boston	en	27th Jan 2015	2	0/12	

## Course Documents

[CommScope Infrastructure Academy ID Badges and Certification](#)

## Related Courses



FC3361



ND3361



SP3321



SP4400



SPUCIC



SP4410



FC3361

= Pre-requisite

= Re-  
certification

= Associated  
learning

**US \$950 or \$750 with  
a CommScope  
Training Passport**



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