Registered Communications Distribution Designer (RCDD)
Introductory Guide

Networks Centre.
Training Academy
Welcome to
Networks Centre Training Academy

Thank you for taking an interest in our dedicated BICSI Registered Communications Distribution Designer (RCDD) course.

As a global professional association, BICSI is the preeminent source of information, education and knowledge for the constantly evolving information and communication technology industry.

The RCDD accreditation is one of the industry’s leading design credentials, enabling qualified professionals to standardise designs across worldwide locations.

Networks Centre have been awarded Authorized Design Training Provider (ADTP) status for the UK and Europe, which enables us to provide certified materials and courses lead by certified instructors.

Our new state-of-the-art Training Facility in Horsham, West Sussex is in easy reach of London and Gatwick Airport.

Speak to our Technical Team today who can advise you on upcoming training dates and provide more information.

We look forward to hearing from you.

Keith Sawyer
Technical Services Director
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Why BICSI RCDD?
Enhance your Experience and Career

Become a part of the industry’s most prestigious training course designed for industry professionals looking to advance. Many international companies require an RCDD Accreditation, as this shows an enhanced level of expertise required for system installs. Networks Centre Training Academy is the UK and Europe’s only provider of BICSI RCDD, with Specialist BICSI Teachers.

The accreditation will provide advanced industry knowledge from multiple systems and is the highest design credential available. BICSI RCDD is an internationally recognised accreditation which opens up new and exciting prospects for all.

Our centralised location in Broadbridge Heath, West Sussex makes us an ideal proposition for prospective RCDD’s. With London and Gatwick Airport nearby, we make an attractive opportunity for national and international customers alike. Our dedicated Technical Services team can advise on course specific information and can recommend the best route for you.

> Gain advanced industry knowledge
> Highest design credential available
> Proficiency across multiple system areas
> Global recognition

“The RCDD enables me to pass on valuable information to peers and work teams related to the ever-changing and expanding ICT industry.”
Over the years, the BICSI Registered Communications Distribution Designer (RCDD) credential has become one of the most coveted designations available in the area of distribution design. Recognised around the world, companies in all seven continents are sending their staff to be trained for this prestigious credential, for the value that these individuals bring to the workplace and therefore the business.

In fact, RCDDs are required or requested by many private and government organisations as part of the bidding criteria.

An RCDD understands the importance of achieving a flexible, cost-effective, future-ready system, during every stage of the project. Those awarded the RCDD designation have demonstrated knowledge in the design, integration, implementation and project management of telecommunications and data communications technology systems and related infrastructure.

**Recommended Experience for RCDD Exams**

+ Individuals with five years of distribution design experience 
  OR two years of distribution design experience **AND** 
  Three years of additional ICT equivalents (experience, approved education and approved ICT license/certification)

+ Equivalents can be from BICSI or industry design courses and/or design certifications

+ Experience must be from the last 10 years
Areas of Knowledge

Be Ready for BICSI RCDD

RCDD prepares individuals who have industry experience using established knowledge as the foundation for learning. The accreditation is designed to enhance understanding of industry practices, allowing attendees to experience new ways of working.

The course enables attendees to construct new learnings and apply fresh practices for future projects. Individuals benefit from a deeper understanding of a wide variety of topics including:

- Principles of Transmission
- Electromagnetic Compatibility
- Telecommunication Spaces
- Backbone Distribution Systems
- Horizontal Distribution Systems
- ITS Cables and Connecting Hardware
- Firestop Systems
- Bonding and Grounding (earthing)
- Power Distribution
- Telecommunications Administration
- Audiovisual Systems
- Building Automation Systems
- Data Networks
- Wireless Networks
- Electronic Safety and Security
- Data Centres
- Health Care
- Residential Cabling
- Business Development
- Project Management
- Field Testing of Structured Cabling
- Outside plant

The RCDD credential is achieved by passing a comprehensive, application-based and knowledge-based exam rooted in the Telecommunications Distribution Methods Manual (TDMM).

HOW DO YOU COMPLETE THE COURSE?

01403 754233  @ bicsi@networkscentre.com  networkscentre.com
DD102: Designing Telecommunications Distribution Systems

RCDD Exam Requirements

+ 5-day course
+ 37 CECs

Course Overview

DD102 is an intensive hands-on course focused on the design of structured cabling systems. You will design telecommunications spaces, as well as horizontal and backbone distribution systems.

Effective learning strategies include case study review and structured application exercises using modernised blueprints, with solutions based on real-world conditions.

DD102 has been completely revamped to maximize your take-away from the class, as well as your success on the Registered Communications Distribution Designer (RCDD) exam.

Now offering hands-on activities from day one, this knowledge intensive course instructs you in real-world tasks, preparing you for life outside of the classroom. Take-home assignments augment your learning, allowing you to prepare questions for the classroom.

In addition, students work together to complete a final group project, allowing them to put to use what they learned in class immediately.

Course Highlights

+ Increased hands-on activities
+ Codes, standards and regulations
+ Telecommunications spaces
+ Horizontal distribution systems
+ Backbone distribution systems
+ Outside Plan (OSP) and campus cabling
+ Bonding and grounding (earthing)
+ Firestopping
+ Telecommunications administration

WHO SHOULD INVEST?

- Individuals preparing to take the RCDD exam
- ICT designers with at least two years of on-the-job experience in low-voltage cabling systems
- Individuals looking for a review of telecommunications distribution systems

Required Materials

(TDMM) Telecommunications Distribution Methods Manual
A flagship information resource

Designing Telecommunications Distribution Systems Student workbook.
RCDD Online Test Prep

RCDD Exam Requirements

+ **BICSI CONNECT online course**

+ Access to course for lifetime on 13th edition TDMM

Course Overview

Studies suggest that test prep courses can help raise a test score by up to 25%. The Registered Communications Distribution Designer (RCDD) Online Test Prep course is more than just you, a computer and a series of questions.

BICSI has designed this comprehensive package to give you access to the highest quality training materials available—from flash cards, videos and email access, to successful RCDDs in the business.

The RCDD Online Test Prep course provides everything that you need to help you be successful in the RCDD exam.

The **RCDD Online Test Prep course is the only BICSI-approved RCDD exam preparation class.**

Course Highlights

+ **Downloadable Strategy Guide Booklet:**
  Gain an overview of the exam, including the test format and applicable chapters. Learn key formulas needed to help you pass the exam. Receive study tips.

+ **Electronic Exercises and Review Games:**
  Take part in interactive games and strategies to help you memorise key concepts.

+ **Sample Exams:**
  Take two 90-minute practice exams. Feedback will be given highlighting areas that need improvement.

+ **Professionally Recorded Videos:**
  Download lessons from experienced RCDDs. Lessons target: horizontal distribution, backbone distribution and telecommunications spaces.

Required Materials

Students must bring the TDMM, printed or electronic, to class. The manual (not included in the course fee) can be ordered at www.bicsi.org/publications. Students are also required to bring a laptop computer or tablet to class each day.

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**WHO WILL BENEFIT?**

- Individuals preparing to take the RCDD exam
- Individuals who want a review of telecommunications distribution systems

**Requiried Materials**

Students must have access to the Telecommunications Distribution Methods Manual (TDMM). The manual (not included in the course fee) can be ordered at www.bicsi.org/publications.

**Prerequisite Information**

DD101 and DD102 are strongly recommended prior to taking the RCDD Online Test Prep course.

**WHAT’S GREAT ABOUT THIS COURSE?**

Only the RCDD Online Test Prep course offers you a combination of gaming practice, recorded lessons, online flash cards, a downloadable strategy booklet and sample exams!

Visit: www.bicsi.org/rcdd for more information

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*Grove, 2014

**All BICSI CONNECT courses are nonrefundable and nontransferable.**
RCDD Exam Information

Experience

Individuals with five years of distribution design experience OR two years of distribution design experience and three years of additional ICT equivalents (chosen from combinations of experience, approved education and approved ICT license/certification) are encouraged to sit for the RCDD exam. Experience must be from the last 10 years.

Suggested Study

**+ Exam candidates with two through five years of experience:**

DD101: Foundations of Designing Telecommunications Distribution Systems

*OR* 25-question knowledge pre-assessment (both online)

DD102: Designing Telecommunications Distribution Systems

Telecommunications Distribution Methods Manual (TDMM)—150-plus hours of independent study

TDMM Flash Cards (online)

RCDD Online Test Prep

**+ Exam candidates with five-plus years of experience:**

DD101: Foundations of Designing Telecommunications Distribution Systems

*OR* 25-question knowledge pre-assessment (both online)

DD102: Designing Telecommunications Distribution Systems

Telecommunications Distribution Methods Manual (TDMM)—125-plus hours of independent study

TDMM Flash Cards (online)

RCDD Online Test Prep

Exam Application

Before taking the exam, you must be approved by BICSI. Applications can be completed online at www.bicsi.org/rcdd

The Examination

**+ 100 questions drawn from BICSI’s TDMM***

**+ Closed-book and multiple-choice**

**+ 2½-hour timed exam**

*You will be tested on every chapter in the TDMM. Approximately 80 percent of the exam is comprised of content found in core chapters.

Please review the BICSI website at www.bicsi.org/rcdd for a list of core chapters in the TDMM.

The examination is administered in a computer-based testing (CBT) format at Pearson VUE Authorized Training Centers, worldwide.

Paper-pencil exams are available at select BICSI conferences. Visit www.pearsonvue.com/bicsi for a location near you.

RENEWAL REQUIREMENTS

The RCDD credential is valid for three years.

RCDDs are required to continue their education in order to renew their RCDD registration. Within a three-year period (after the exam is passed), all RCDDs must:

- Earn a minimum of 45 BICSI Points
- Attend at least one BICSI-approved conference
- Submit proof of CECs and pay renewal fee
TDMM, 13th Edition
Telecommunications Distribution Methods Manual Overview

The Telecommunications Distribution Methods Manual (TDMM) is BICSI's flagship manual, a true world resource in global best practices, as well as the basis for the Registered Communications Distribution Designers (RCDD) exam.

The TDMM provides deep reference information on the standards and codes that impact our readership, providing readers with the guidelines to execute future-ready projects with reduced cost.

The manual provides critical design information and practices for today’s and tomorrow’s networks.

In addition to updating existing practices to current technology for data networks, the 13th edition TDMM has incorporated new information to address the issues and solutions emerging for tomorrow’s networks, including:

- Distributed Antenna Systems (DAS)
- Passive Optical Networks (PON) within buildings
- Distributed Antenna Systems (DAS)

Emphasis has been placed on ensuring content is applicable to the designer’s needs of today. A new section on business development has also been added.

Whether a newcomer or seasoned veteran to ICT design, the TDMM is an indispensable reference that completes any ICT library, available as a two volume printed manual or via electronic download.

Contents

The TDMM, 13th edition, consists of two volumes, 2,100+ pages, 21 chapters and five appendices, as well as a glossary.

- Principles of Transmission
- Electromagnetic Compatibility
- Telecommunications Spaces
- Backbone Distribution Systems
- Horizontal Distribution Systems
- ITS Cables and Connecting Hardware
- Firestop Systems
- Bonding and Grounding (Earthing)
- Telecommunications Administration
- Field Testing of Structured Cabling
- Electronic Safety and Security
- Data Centres
- Health Care
- Residential Cabling
- Electronic Safety and Security
- Business Development
- Project Management
- Data Networks
- Wireless Networks
- Building Automation Systems
- Audiovisual Systems
Networks Centre
Company Profile

Networks Centre is one of the UK’s leading Distributors of end-to-end Network Infrastructure offering a range of services and solutions:

+ Data Centre Solutions
+ Enterprise Networks
+ Industrial Connectivity
+ Intelligent Infrastructure
+ Training Services

For more information visit www.networkscentre.com

How to find us:

Networks Centre Training Academy is based in Broadbridge Heath near Horsham, West Sussex. We’re 30 minutes from Gatwick Airport and an hour from London.

Our Head Office address is:
Networks Centre Training Academy,
Head Office,
Lawson Hunt Industrial Park,
Broadbridge Heath,
West Sussex,
RH12 3JR

Travelling by air
We’re located 90 Minutes from Heathrow and 30 minutes from Gatwick Airport.

Travelling by train
Horsham has direct links from London Bridge and Gatwick Airport. Once at Horsham station, take a short taxi ride to Networks Centre Training Academy.

Travelling by road
Networks Centre is located in Broadbridge Heath near Horsham in West Sussex. Take the A23, M23 and A264 towards Horsham. We’re only an hour’s drive from London.
Places to stay

Horsham provides a host of Hotels and B&Bs located near local amenities & transport hubs. We understand the importance of comfort and location whilst training.

Networks Centre Training Academy recommends a selection of accommodation situated near our facility. We advise all individuals to book in advance in order to secure your preferred option.

South Lodge Hotel

The South Lodge Hotel is located outside of Horsham, around a 15 minute drive from Networks Centre Training Academy.

This historic 5 star country manor is incredibly comfortable with a gym, 2 restaurants, 24 hour bar and views of the South Downs.

To book, contact Southlodge Hotel on:
+44 (0)1403 891 711
www.southlodgehotel.co.uk

Premier Inn, Horsham

The Premier Inn, Horsham is approximately around a 10 minute drive from Networks Centre Training Academy.

This modern 3-star hotel offers free WI-FI and onsite parking with rooms providing ensuite bathrooms.

To book, contact Premier Inn on:
+44 (0)871 1527 8526
www.premierinn.com
Random Hall, Slinfold

Random Hall, is located in Slinfold and approx 10 minutes from Networks Centre Training Academy.

The Hotel offers free Wi-Fi, Free Parking Onsite Bar and Restaurant facilities with fresh food prepared daily.

To book, contact Random Hall on:

+44 (0)1403 790558
www.randomhall.co.uk

Local Amenities

Our head office is located near a range of local amenities designed to make your stay more comfortable.

Petrol Station & Food Store

To reach Tesco Extra, turn left out of Industrial Park onto the A281 mini-roundabout. Turn left at the roundabout following the road ahead.

You will need to take the second exit on Newbridge roundabout following the A264 to Horsham. Turn right on the next mini-roundabout, signed to Tesco.

Restaurants

We are based 5 minutes (By Car) from Horsham Town Centre. There is a variety of restaurants located on East Street with a diverse range of international food choices.
NetworksCentre.

Training Academy

A Technical Services Provider offering bespoke, manufacturer-led courses and BICSI accreditations.

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