



The market leader in Communications Training

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# BICSI RCDD

## 11-day course

Registered Communications Distribution Designer - the professional qualification for high achievers.

The demand for RCDD professionals is growing rapidly, as more and more projects require that bids are submitted by qualified RCDDs.

The role of the RCDD is to design, control and manage the installation and maintenance of network systems. RCDDs are not inhibited by specific product criteria, they provide a long term view, combining innovative and advanced techniques with existing proven technology. RCDD status is recognised and mandated by many private and public organisations such as the TIA(Q) Scheme. To maintain RCDD status, professionals are required to renew their registration every three years and gain a minimum of 45 BICSI CECs. This involves a commitment to a continuing educational programme, through attendance at BICSI Conferences and study (the majority of CNet courses have BICSI CECs assigned to them).

### Industry orientation

#### PART ONE

Design basics

Recommended design sequence, cabling infrastructure layout, terms & definitions, overview of standards & codes

#### Designing telecommunications rooms

Determining type number & size according to usable floor space, specifying power, lighting & floor loadings

#### Designing horizontal distribution systems

Pathway sizing & routing considerations. Design rules for under-floor duct, cellular floors, conduit, & access floors. Use of ceiling distribution including ceiling zones method. Application exercises; design of under-floor conduit system & comparison with overhead plenum rated method. Specifying copper & fibre optic cabling complete with documentation methods. Examples of cable management during installation & cross connection. Installation sequence for zoned systems

#### Designing backbone systems

Backbone design & planning, media selection options (copper versus fibre), colour codes, backbone pathways & spaces, sleeves, slots & conduits, planning & designing cable pull boxes, firestopping, campus backbone design

#### Designing equipment rooms

Electrical power requirements & distribution, environmental, space & structural requirements, electrical ground & bonding. Application exercise: equipment room sizing & location

#### Designing entrance rooms

Calculating total space requirements, types of terminations & hardware, electrical protection, network demarcation. Application exercise: entrance facility case study.

#### Designing building services entrances

Underground, buried & aerial

#### Final application exercise

Design a multi-building telecommunications infrastructure.

#### PART TWO

##### RCDD review

4-days dedicated to tutor-guided technical revision to consolidate the core chapters & prepare for final exam. These 4-days also cover exam techniques

##### RCDD exam

3 hour exam with 120 questions

### 90% Theory 10% Practical



#### ▶ Course duration

11 days (split into 3 sections: 6-day study followed by a 125+ hours recommended of self-study during a 5-week period, returning for a 4-day review plus 1-day of non-tutored exam preparation, followed by a 1-day exam)

#### ▶ Qualification

BICSI RCDD status  
BICSI CECs: 12 ITS, 70 RCDD  
CNet certificate

#### ▶ Who should attend

Network designers, installers, IT managers, consultants, building specifiers and architects

#### ▶ Related Training

CDCDP™  
CDCD™  
Wireless Design Speciality (BICSI)  
NTS Specialist/BICSI NTS Speciality Exam  
BICSI Outside Plant

#### ▶ Course objectives

To prepared delegates to design, specify, install and select wireless networks, network products and services

#### ▶ Prerequisites

5 years distribution design experience,  
BICSI membership.  
Passing Online Fundamentals Exam  
Telecommunications Distribution Methods Manual (TDMM)  
is required for classroom work and self study which should be obtained direct from BICSI.

#### ▶ Course Location

Bury St Edmunds  
Suffolk

