DCDC®
Certification Handbook

Data Center
BICSI
CERTIFIED
DCDC®
Design Consultant®

Version 4

Congratulations on your decision and commitment to become a DCDC. You are on your way to earning an information and communications technology (ICT) design certification that is globally recognized and highly respected in the industry.

Dedicated ICT professionals such as yourself recognize and understand that holding a BICSI credential makes a difference in your career and the ICT industry. After earning the Data Center Design Consultant® (DCDC®) credential, you will be recognized as a data center design consultant, who is knowledgeable and experienced in the principles of Data Center Design and Construction. We appreciate your professional commitment in demonstrating the highest global standard by acquiring a DCDC certification.
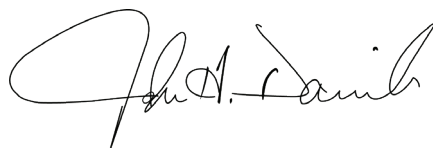
We develop and deliver the highest-quality credentialing programs that validate mastery in the field of ICT and contribute to the continued improvement of individual and organizational performance. We work closely with ICT experts from around the world to ensure that our programs are up to date and relevant for today's competitive business environments.

This handbook provides an overview of the DCDC credential, including eligibility and recertification requirements. You will find detailed information to help guide you through the entire certification process.

We wish you much success,

David M. Richards, RCDD, NTS, OSP, TECH, CT
BICSI Board President

John H. Daniels, CNM, FACHE, FHIMSS, CPHIMS
BICSI Chief Executive Officer

For more information:
bicsi.org/credentialing

Questions:
Phone: +1 813.979.1991 or 800.242.7405
(USA & Canada toll-free)
Email: **credentialing@bicsi.org**

Table of Contents

BICSI CORE VALUES

BICSI is a professional association supporting the advancement of the ICT community and currently serves more than 26,000 memberships and credentials. BICSI is the preeminent global resource for ICT credentials, standards, knowledge transfer, and career development. Headquartered in Tampa, Florida, USA, BICSI membership spans nearly 100 countries.

Integrity ▪ Service ▪ Excellence

Integrity is defined as the quality of being honest and having strong moral principles and moral uprightness. Integrity defines who we are as a professional association. Some of the moral principles include traits such as courage, honesty, responsibility, accountability, openness, self-respect, and humility. Integrity is also defined as the state of being whole and undivided. BICSI staff, volunteers, members, credential holders, affiliates, and all other stakeholders must strive to do the right thing for the organization, even when no one is looking. Integrity is first because it is critical to BICSI's success, "… just as strong beams are critical to a house. If the beams are not whole, sound, or complete, if rotten is mixed with good, if termites have eaten the insides, then individual beams will break under stress; beams will fail in their relationship to other beams; nails will pull out and the house will fall."[1]

Service to the profession is important. However, BICSI takes it one step further by encouraging service before or above self because it reminds us that we are all part of something bigger than ourselves, and that is the BICSI mission. It defines what we do as a professional association. BICSI staff, volunteers, members, credential holders, affiliates, and all other stakeholders demonstrate the following attributes, among others:

- Stewardship: We plan and manage the resources entrusted to us with great care and responsibility.

- Self-discipline: We adhere to policies and procedures such as the BICSI Code of Ethics/ Professional Obligations.

- Self-control: We do not behave in a way that would discredit ourselves, our association, or the ICT profession.

- Loyalty: We are faithful to our BICSI commitments and voluntary obligations.

- Inclusion: We all help create an environment free of fear, discrimination, harassment, intimidation, or unfair treatment.

Excellence defines how BICSI strives to do everything it does, from beginning to end and everywhere in between. BICSI staff, volunteers, members, credential holders, affiliates, and all other stakeholders all have a role in ensuring BICSI provides the highest quality training and education, maintains highly credible credentialing programs, provides highly valued membership programs that meet member needs, and provides responsive customer care that exceeds service expectations. No matter what role we have, we are all responsible for doing our personal best and providing a good example to others.

BICSI will make integrity a daily practice through service above self, underpinned by excellence in everything we do to advance the ICT profession.

[1] Vriesenga, M. P., Maj. (n.d.). Thinking about Core Values [Scholarly project]. Retrieved November 13, 2020, from https://www.airuniversity. af.edu/Portals/10/ASPJ/journals/Chronicles/michaelv.pdf

ABOUT THE DCDC CERTIFICATION

ICT encompasses the design, management, integration, and installation of pathways, spaces, optical fiber- and copper-based distribution systems, wireless-based systems, and infrastructure that supports the transportation of information and associated signaling between and among communications and information-gathering devices.

Through courses, conferences, publications, and professional credentialing programs, BICSI staff and volunteers assist ICT professionals in delivering critical products and services, and offer opportunities for continual improvement and enhanced professional stature.

BICSI established its credential programs to provide a level of assurance to the industry and to consumers that an individual has knowledge in a designated area of ICT design or installation. Our professional designations are valued globally and are recognized throughout the ICT industry.

Data centers have become more complex to design and bring online due to the demand for greater capacity, increased efficiency, and higher levels of utilization. BICSI developed the DCDC Credentialing Program to educate ICT professionals in the proper methods of designing. While design is still a central part of the DCDC description, it was found that DCDCs are being utilized within all facets of data centers, including strategic planning, operations, management, and evaluation.

Those who achieve the DCDC designation have demonstrated an understanding of mechanical, electrical, and telecommunication issues, such as operational and security assessments that are increasingly being requested. ICT professionals seeking a profession in data center design are encouraged to earn the DCDC.

DCDC Definition
The DCDC designs, coordinates, or manages the integration of the documentation, plans, specifications, construction, and ongoing operational management activities of a data center facility while meeting applicable codes, standards, and industry best practices. This includes addressing the requirements of the sponsor, architects, engineers, contractors, stakeholders, service providers, and others involved.
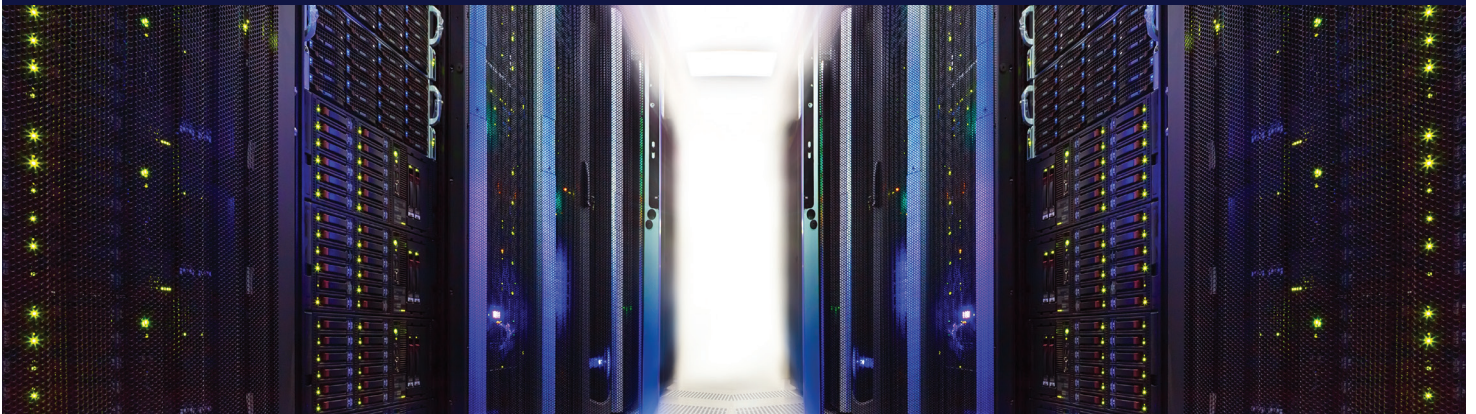
Things to Know About the DCDC Certification

Leading designation in the modern data center market, spanning throughout 29 countries

Sought after by multidisciplinary trade professionals

Essential in all aspects of the project: new, upgrade, or rebuild

Essential to distinguish your in-demand skill set

Internationally developed and applied globally

Recognized across all major disciplines on an international basis

Part of a growing and leading-edge industry

DCDC CERTIFICATION PROCESS OVERVIEW

Application Submission

Application Approval
Approval can take up to 30 days.

Exam Eligibility
You have one year from the approval date to test for the DCDC.

Certification Cycle
Your certification cycle begins the day you pass the exam.

Credential Maintenance
You are required to earn **36** continuing education credits (CECs) within your three-year certification cycle.

Credential Recertification
You can complete the recertification process once you have met all the recertification requirements.

Credential Suspension
Occurs 90 days after the credential expiration date if you have not fulfilled the recertification requirements. Credential is inactive and you are unable to use it.

Credential Expiration
Occurs one year after your expiration date if your recertification requirements have not been met.

Exam Delivery Statement
Pearson VUE is the exam delivery provider of BICSI exams. Pearson VUE is the world's largest learning company with more than 35,000 employees working across the globe. They are the leader in computer-based testing, with testing centers located globally.

Non-Discrimination Policy
It is the policy of BICSI and Pearson VUE that no individual shall be excluded from the opportunity to participate in the BICSI DCDC Credentialing Program on the basis of gender, ethnic origin, national origin, religion, age, or disability.

Sanctioned Countries
BICSI is committed to conducting business in compliance with the U.S. Office of Foreign Assets Control (OFAC) sanctions programs, country information and the Specially Designated Nationals (SDNs) and Blocked Persons List. This includes any individual with a residence or a nationality of Iran, Syria, Crimea, Cuba, or North Korea.

Individuals who present approved candidate identification during the admissions process showing a non-sanctioned country permanent residence may test and receive certifications. For more information, **click here**.

Contact Information
All questions and requests for information about the BICSI DCDC Credentialing Program should be directed to:

BICSI, 8610 Hidden River Pkwy., Tampa, Florida 33637
Tel: +1 813.979.1991 or 800.242.7405 (USA & Canada toll-free)
Email: **credentialing@bicsi.org**

All questions and requests for information about exam scheduling should be directed to:

Pearson VUE, 5601 Green Valley Dr., Bloomington, Minnesota, 55437
Phone: 866.904.4432 (USA & Canada toll-free)
Web: **pearsonvue.com/bicsi**

Name, Address, and Email Information
BICSI will send you important information through email and text. It is **your** responsibility to keep the contact information on your online BICSI Profile at **bicsi.org** current. Please log onto your BICSI profile and make sure your home address and cell phone numbers are up to date so you do not miss any important notifications.
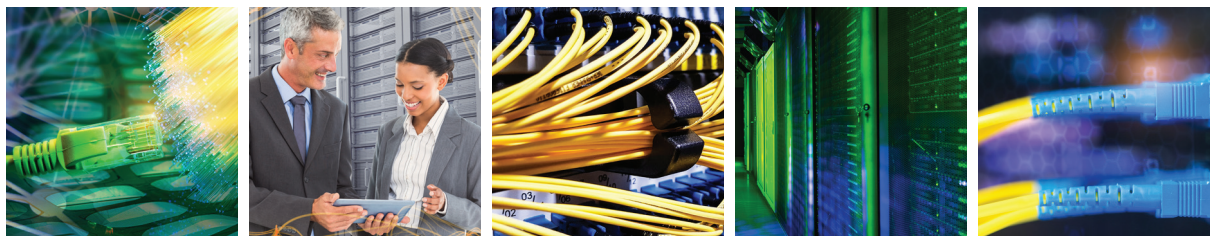
DCDC CERTIFICATION PROCESS

THE FIVE PHASES

Decide → Prepare → Apply → Test → Recertify

Exam Eligibility Requirements

Data Center Design consultant-related work experience may include, but is not limited to, the performance of the data center design, construction, and/or operations as defined below:

PHASE 1: DECIDE

Data Center Design may include:

- Site surveys
- User needs analysis
- Development of design plans for data center systems and integration
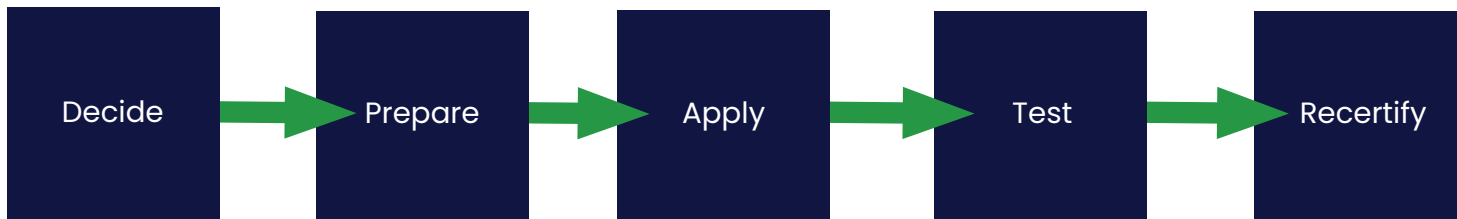- Management of stakeholder requirements
- Work drawings
- Specifications
- RFP creation
- Project coordination with P.E.s, Architects, etc.

Data Center Construction and Operations experience includes:

- ◇ Design and implementation of:
  - Dedicated data center facilities
  - Central offices
  - Computer rooms
  - Data center support areas
- ◇ Testing and commissioning systems in a data center
  - Electrical, security, HVAC, network management, access control, cable infrastructure
  - Quality assurance
- ◇ Perform site selection and site survey
  - Bidding process
- ◇ Project site supervision
  - Project management
  - Program management
  - Safety
- ◇ Network Engineering
- ◇ Data center facilities management include:
  - Ongoing maintenance
  - Service contracts
  - Access control and security
  - Documentation
  - Adds, moves, and changes

Scope of a Data Center Design Consultant:

The DCDC designs, coordinates, or manages the integration of the documentation, plans, specifications, construction, and ongoing operational management activities of a data center facility while meeting applicable codes, standards, and industry best practices. This includes addressing the requirements of the sponsor, architects, engineers, contractors, stakeholders, service providers, and others involved.

Applicants must meet specific educational and/or work experience criteria at the time they submit their application in order to be eligible to take the DCDC exam. Eligibility options are outlined below:

- Hold a current Registered Communications Distribution Designer® (RCDD®) certification.

OR

- Have two years of verifiable full-time equivalent work experience in data center design, construction, and/or operations **and** hold a current BICSI Technician®, Registered Telecommunications Project Manager® (RTPM®), or Outside Plant (OSP™) certification. In place of holding a certification, a degree in architecture, engineering, or construction management is also acceptable.

OR

- Three years of verifiable full-time equivalent work experience in data center design, construction, and/or operations within the past seven years.
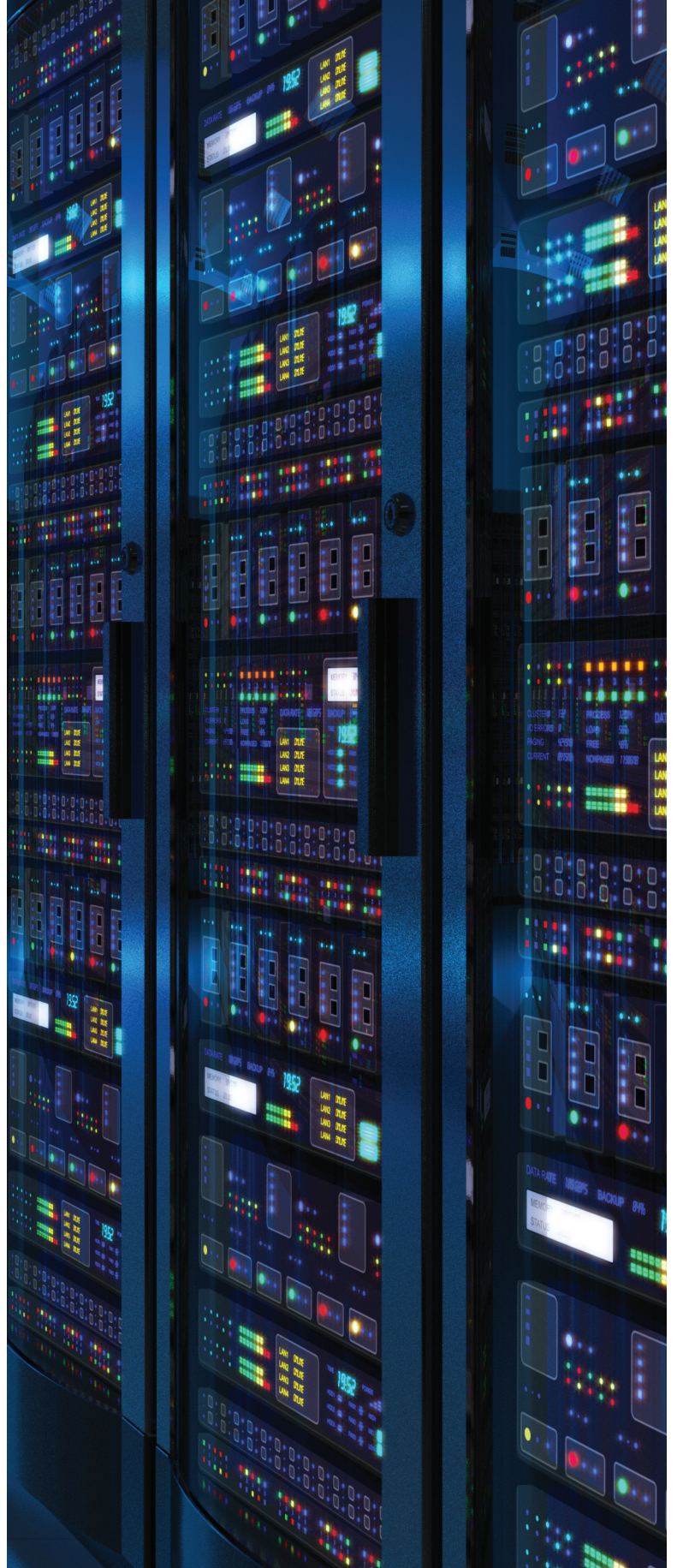
Reasons to Become a DCDC

- Recognized by the ICT Community and Employers
- Provides a Unique Skill Set to an ICT Designer
- Uses the Latest Technologies, Methods, and Best Practices
- Critical in Modern High Bandwidth Applications
- Engineered by Data Center Experts
- Recognized Globally

GI Bill Information

The BICSI DCDC exam may be eligible for GI Bill reimbursement for those who qualify. The VA pays only the exam costs, or up to $2,000 for each exam. Payment is issued after you submit proof of payment to the VA. The VA will pay for exams, even if you are unsuccessful in your attempt to earn a certification. For more information, including an application for reimbursement of exam fees, please visit the "Get paid back for test fees" webpage by clicking here. Please note that BICSI exam requirements and retest policies still apply.

U.S. Military Financial Assistance Program

Through the Credentialing Opportunities On-Line Program, qualifying U.S. military members can use their ICT-related installation, design, and project management experience toward earning a BICSI credential. Recognized worldwide, our certification programs help you position yourself as an expert in the ICT industry and prepare you for a life-long career in an in-demand industry.

More information on the five available assistance programs can be found online at **bicsi.org/COOL.**

I believe that the DCDC credentialing program is the most prestigious and comprehensive program available in the industry and it is a tool for knowledge.

– Nedal Shanti, RCDD, DCDC, CT Interface Manager - Airport Master System Integrator, RIKAZ Global, LLC Seeb, Oman

PHASE 2: PREPARE

Exam Copyright

All exam questions are the copyrighted property of BICSI. Any attempt to reproduce all or part of an exam is strictly prohibited by law. Such attempts include, but are not limited to, removing materials from the exam room, aiding others in reconstructing any portion of an exam by any means, or selling, distributing, receiving, or having unauthorized possession of any portion of an exam. Alleged copyright violations will be investigated and, if warranted, prosecuted to the fullest extent of the law. It should also be noted that exam scores might be invalidated in the event of this type of suspected breach.

Exam Preparation

BICSI conducts a Job Task Analysis (JTA) every three-five years with a large group of volunteer ICT subject matter experts (SME) who hold the given certification. BICSI uses the JTA to make modifications and upgrades to the credentialing programs as part of the credentialing industries best practices.

The exam blueprint identifies the duties and tasks that will be tested. The exam is developed from the exam blueprint, which is the outcome of the JTA and uses the following publications as the reference material for the exam:

- ANSI/BICSI 002-2024, *Data Center Design and Implementation Best Practices* Standard
- *Essentials of Data Center Projects*, 2nd edition Specialty Manual

Other materials consist of the following:

- DCDC Exam Blueprint and Job Task Analysis

Suggested Study

No two candidates come to the exam with the same knowledge base, as ICT experience and educational backgrounds vary; therefore, it is not possible to train for or teach to the exam in its entirety. The best way to prepare is to review and study each functional area of the exam content outline for the DCDC Exam, as well as the suggested materials below:

- 125-plus hours of study from the above reference materials
- DC101: Introduction to Data Center Design (BICSI Connect online course)
- DC102: Applied Data Center Design and Best Practices
- DCDC Online Test Preparation Course (BICSI Connect online course)
- *Essentials of Data Center Projects*, 2nd edition Specialty Manual
- ANSI/BICSI 002-2024, *Data Center Design and Implementation Best Practices* Standard

Exam Specifics

Number of Questions 100
Allotted Examination Time .... Two hours

The exam contains enhanced items that include multiple choice questions with two correct answers, drag and drop and hot-spot identification.

DCDC EXAM BLUEPRINT

AREA OF EXPERTISE	% OF EXAM

Concept Planning & Analysis — 30%

- ⬦ Conduct a needs assessment with client to determine their objectives, operational needs, and suitability of data center model (e.g., cloud, colocation, on-premise build, availability class requirements) needed for the end user for a new data center construction or existing data center
- ⬦ Identify future growth of data center (project phasing, shell space)
- ⬦ Conduct site research or survey to collect necessary information and site circumstances (e.g., to confirm topography, adjacent areas, comparison of multiple sites)
- ⬦ Collect risk/benefit factors for natural environment to determine impact on the data center
- ⬦ Collect risk/benefit factors for the utility environment to determine impact on the data center (e.g., availability and cost of power, telecommunications infrastructure, water, gas)
- ⬦ Determine financial implications (e.g., cost, tax incentives) of site selection and cost
- ⬦ Evaluate how well potential site(s) met criteria to determine overall appropriateness of site
- ⬦ Develop feasibility report based on client requirements and site evaluation and selection of search findings

Systems: Architectural and Space Design/Mechanical/Electrical — 20%

- ⬦ Architectural and Space Design — 10%
  - • Design space based upon client requirements and feasibility analysis to ensure functionality of a complete data center
  - • Apply IT equipment capacity and space requirements to the space design in order to ensure suitable layout of IT equipment
  - • Apply ancillary systems space requirements (e.g., fire protection system, security, building automation) to determine the total impact on architectural space design
  - • Determine personnel requirements to ensure proper functionality and safety of the data center
    Determine physical security requirements to ensure proper security of the data center
    Determine support area/space needs and adjacencies as required by data center functions
- ⬦ Mechanical Systems — 5%
  - • Identify site utility requirements (e.g., water use/storage, fuel storage, gas use, sewer, storm water) that may impact the data center availability and overall detailed design
- ⬦ Electrical Systems — 5%
  - • Identify site utility requirements (e.g., medium voltage, underground, overhead) that may impact the data center availability and overall detailed design
  - • Coordinate client's power systems criteria (e.g., backup systems, distribution systems, voltage criteria) with electrical engineer to verify design meets the client's design intent

AREA OF EXPERTISE	% OF EXAM
Systems: Information Technology/Ancillary Systems/Communications Connectivity	**20%**

◇ Information Technology (Network, Storage, & Servers) 7%
  - Identify information technology site requirements (e.g., equipment, standards, facility layout) that may impact the overall detailed design
  - Coordinate client's information technology criteria (e.g., cabinets, racks, SAN, stand-alone equipment, network requirements, physical systems/network security) with other disipline designers to verify design meets the client's design intent

◇ Ancillary Systems (Fire Protection, Physical Security, Building Automation Systems [BAS]) 6%
  - Identify ancillary systems site requirements (e.g., fire protection, physical security, building automation systems) that may impact the data center availability and overall detailed design esign space based upon client requirements and feasibility analysis to ensure functionality of a complete data center
  - Coordinate client's ancillary systems criteria (e.g., fire protection, physical security, building automation systems) with other discipline designers to verify design meets the client's design intent

◇ Communication Connectivity 7%
  - Identify site communications requirements (e.g., fiber, copper, pathways) that may impact the data center availability and overall detailed design
  - Coordinate IT stakeholders communications criteria (e.g., fiber, copper, pathways) with RCDD and other discipline designers to verify design meets the client's design intent

Data Center Operations and Maintenance Assessment	**10%**

◇ Conduct optimization study to ensure data center meets client goals or requirements
◇ Assess current system state of data center (e.g., mechanical, electrical, ancillary)
◇ Assess current efficiency of data center systems (e.g., mechanical, electrical, ancillary)
◇ Assess current capacity and growth capacity level of data center
◇ Assess the ongoing performance of the data center (e.g., performance, utilization, capacity)
◇ Assess aging of all technologies and need for refresh
◇ Assess utilities (e.g., availability and cost of power, telecommunications infrastructure, water, gas)
◇ Assess physical security of data center (e.g., electronic systems, architectural security, bollards)
◇ Assess operational performance (e.g., personnel, policies, maintenance operations procedures)
◇ Assess data center's suitability against client's IT requirements (e.g., network, disaster recovery plan [DRP])
◇ Assess operations documentation (e.g., historical commission reports, logs, DCIM)
◇ Assess safety procedures (e.g., lock out/ tag out procedures)
◇ Develop report that captures findings from assessment

AREA OF EXPERTISE	% OF EXAM
Security Assessment	**10%**

- ◇ Manage threat assessment (identification, frequency, impact)
- ◇ Participate in the performance of a security audit (building inspections, security surveys, security analysis)
- ◇ Verify audit findings against the security assessments objectives (ascertain security status, current state, protection levels)
- ◇ Identify countermeasures (physical, electronic, organizational)
- ◇ Coordinate cost/benefit analysis, feasibility, and/or present value studies
- ◇ Translate client's DRP requirements into recovery design recommendations

Construction Administration & Commissioning	**10%**

- ◇ Construction Administration   5%
  - Assist client in overall bid process and award
  - Assist client or contractors with coordination during construction phase
  - Assist client or contractors with coordination during project close-out phase
- ◇ Commissioning   5%
  - Assist client with pre-commissioning activities to verify the commissioning tests meet the project design requirements
  - Assist client or commissioning agent in the development of the commissioning plan
  - Assist client or commissioning agent in execution of commissioning activities to verify the commissioning test results have met the project design intent

DCDC CERTIFICATION PROCESS

KNOWLEDGE AND SKILLS NEEDED AT CERTIFICATION

Knowledge of availability of classes and related details (e.g., definition, types, levels, general requirements)
General knowledge of disaster recovery and business continuity
Knowledge of business and project financial fundamentals
Knowledge of common Codes & Standards and their essential requirements
Knowledge of common data center spaces and adjacencies
Knowledge of common solutions employed for obtaining high availability (e.g., 5 9s, 6 9s)
Knowledge of common system location, placement, and solution types within the disciplines/spaces
General knowledge of data center operations
Knowledge of data center facility/capacity strategies (e.g., full-build, phased-build, modular)
Knowledge of data center ownership models (e.g., enterprise, IaaS - infrastructure as a service or colo)
Knowledge of dependencies between data center concepts and systems across disciplines/spaces
Knowledge of efficiency/sustainability solutions
Knowledge of industry best practice, trends, and emerging solutions
Knowledge of operational/management practices that affect availability and design choices
Knowledge of primary metrics utilized within data centers and disciplines (e.g., *UE, availability, TCO-total cost of ownership, mechanical, electrical)
Knowledge of process types and phases for primary sub-stages/elements of a data center project
Knowledge of project bidding, including types, processes, required documentation
Knowledge of site supply/utility methods
Knowledge of the components and connecting elements performance, reliability, and other primary characteristics
Knowledge of the discipline's constructs/systems and their primary elements, requirements (e.g., regulatory/AHJ, power, connectivity, operating environment) and advantages/disadvantages (e.g., cost, time to deploy, reliability, effectiveness)
Knowledge of principles for different availability levels/classes
Knowledge of the discipline's fundamentals (e.g., base principles, scientific theory, foundational concepts)
Knowledge of the primary 3rd Party Certifiers and general requirements within the space/discipline
Knowledge of the types of documentation commonly utilized
Knowledge of risk assessment and mitigation methodologies
Knowledge of data center operational management software and its function (e.g., DCIM, BAS, BMS)
Knowledge of site survey tools (e.g., internet mapping tools, GPS coordinates)
Skill interpreting construction drawing platforms (e.g., BIM, AutoCAD, Visio, Revit)
Skill to analyze project information (e.g., risk assessment results, client external requirements, security audit results)
Skill to assess data center model, solutions, and systems to meet client needs
Project management skills (e.g., planning, time management)
Skill to assess system or space components/elements (e.g., capacity, performance, efficiency, sustainability, need)
Collaboration skills (e.g., with project team, client, vendors)
Technical writing skills (e.g., required project documentation, reports, specifications)
Problem-solving skills (e.g., plan B as issues arises)
Negotiation skills
Conflict resolution skills (e.g., mediation)

PHASE 3: APPLY

Application Process

The following items must be completed and submitted to BICSI on your BICSI online profile:

- **A fully completed and descriptive work history including contact information.**
- **Current résumé.** Last 10 years of work history must be included.
- If applicable, a certified or original copy of degrees, diplomas, and/or certifications.

Education, credentials, and your ICT work experience will be verified. Based on the verification process of your DCDC design experience, BICSI reserves the right to require additional submittal as proof of experience. Failure to provide these additional requirements will result in rejection of the application.

Application Processing

BICSI processes applications in the order they are received. A nonrefundable application fee must accompany your application.

Please allow 30 days for approval.

Fees	PRICES*	DETAILS
Exam Application Fee (Paid to BICSI)	$510 – BICSI Member $725 – Nonmember	**Fees include:** Processing of exam application, first attempt exam fee, registration, and testing at any Pearson VUE location, exam score report for unsuccessful attempts, DCDC electronic certificate once certification is achieved. **Fees do not include:** Study materials, preparatory classes, study support fees, traveling expenses to and from testing centers, or retest fees.
Exam Retest Fee	$230 – BICSI Member $355 – Nonmember	Fee applies to retest at a Pearson VUE location after an unsuccessful attempt.

*Pricing is listed in U.S. dollars and subject to change without notice. Vouchers for exam fees may be provided to you by BICSI if necessary.

Payment Methods

PAYMENT TYPE	METHOD FOR SENDING PAYMENT
Credit card	On your BICSI profile or over the phone.
Check or money order	Postal mail to BICSI.
Wire transfer	Email **credentialing@bicsi.org** for wire transfer details.

DCDC CERTIFICATION PROCESS

Incomplete Applications

Exam candidates whose application is submitted without all the requirements will receive an email outlining what information is missing and when it is due. The missing information must be submitted by the due date or the application will be considered incomplete and will not be accepted. The exam application fee will be forfeited.

Application Denials

An application will not be approved, and/or the candidate's authorization to test may be revoked for any of the following reasons:

- Failure to meet the minimum eligibility requirements
- Application is incomplete
- Falsification of information on the application
- Misrepresentation of work experience or other information on the application
- Violation of testing policies and procedures

Refund Policy

Application fees are not refundable or transferable, including those found to be ineligible.

Legal Name

When submitting your application, use your full legal name as it appears on your unexpired, valid, government-issued official identification documentation. This is the name that the testing administration site will use to verify your exam on your exam day. This is also the name that will appear on your official certificate once you successfully pass the exam.

Eligibility Dates

Your application is valid for one year from the date it is approved. This is referred to as your eligibility date in your Exam Authorization Letter.

Waiting Period

During any exam eligibility period (one year from the date of application approval), there is a 30-day waiting period between each unsuccessful exam attempt. After a third unsuccessful attempt, a 90-day waiting period will begin. You may be allotted additional attempts after the 90-day waiting period if your exam eligibility period is still valid.

Each exam retest requires the appropriate exam retest fee. If you do not pass the exam within your exam eligibility period, you can reapply for the exam by submitting a new application.

Terms and Conditions

You must agree to the following statements:
- I agree to inform BICSI, without delay, of matters that can affect my capability to continue to fulfill the certification requirements.
- In the event of a certification suspension, I will refrain from any use and/or further promotion of the certification while it is suspended.
- In the event of withdrawal or revocation of the certification, I will refrain from use of all references to a certified status.
- I will make claims regarding certification only with respect to the scope for which certification has been granted.
- I will not use the certification in such a manner as to bring BICSI into disrepute, and not make any statement regarding the certification that BICSI considers misleading or unauthorized.
- I will not use certification status or the credential in a misleading manner.
- I certify that I will not provide, receive, or release any confidential exam information and/or materials (including, but not limited to: recording, copying, disclosing, sharing, publishing, or otherwise transmitting exam information by any means and for any purpose) or participate in fraudulent test-taking practices.

PHASE 4: TEST

Request for Special Accommodations

BICSI complies with the Americans with Disabilities Act (ADA) and shall ensure no individual is deprived of the opportunity to take a BICSI certification examination solely by reason of a disability as defined under the ADA. Candidates must submit a written request and recent (within the last three years) supporting documentation related to disability needs. The request and supporting documentation must be received at least 30 calendar days prior to the examination. Requests for special testing accommodations require documentation of a formally diagnosed and qualified disability by a qualified professional who has provided evaluation or treatment for the candidate.

Appeal of Denial of Request for Special Accommodations

Candidates who are denied their request for Special Accommodations may file an appeal with BICSI. See BICSI Credential's Appeal Process, page 25.

How to Schedule

BICSI partners with Pearson VUE to deliver the DCDC exam in a computer-based testing format. Pearson VUE will notify you of any changes to test site availability due to bad weather, technical issues, or other unscheduled events.

Once your application is approved, you will receive a BICSI Exam Authorization Letter by email confirming your approval. The authorization letter includes your candidate ID, first attempt exam fee voucher, as well as scheduling information.

We encourage you to schedule your exam appointment date as soon as you are approved. Scheduling early increases the chance you will receive your preferred testing date, time, and location.

When scheduling an appointment, have the following information available:
* Your name exactly as it appears on your valid, unexpired government-issued ID
* Your candidate ID number
* The name of your exam sponsor (BICSI)
* The exam for which you are approved (DCDC-004)
* Your preferred appointment date, time, and location
* First attempt exam fee voucher

To schedule online, visit pearsonvue.com/bicsi and click on "create an account" or "sign in," if you already have a Pearson VUE account.

You can also schedule on the phone. To do so, call 888.602.6941. International phone numbers may vary. Please refer to the Pearson VUE website for alternate numbers, if needed.

Rescheduling or Cancellation Policy

You must contact Pearson VUE at least one business day prior to your scheduled appointment if you would like to reschedule or cancel your testing appointment. Rescheduling or canceling less than one full business day prior to your appointment may result in forfeiting your exam fees.

DCDC CRERTIFICATION PROCESS

Exam Fee

Your first-attempt exam fee is included in your application fee and is paid directly to BICSI. The first-attempt exam fee includes registration and testing at any Pearson VUE location, and an exam score report for unsuccessful attempts. In the event you are unsuccessful, exam retest fees apply and are paid directly to Pearson VUE.

Exam Identification and Conduct Requirements

The DCDC certification exam is administered in highly secure testing environments. All exam candidates will be required to provide proof of identity with an unexpired, original government-issued photo ID with signature, such as a driver's license, a passport, or military ID. The name and photo on the primary or secondary ID must exactly match the name on the candidates Exam Authorization Letter.

You will be required to provide a secondary ID. The following are acceptable forms of secondary identification:
- Valid employer identification card
- Valid credit card with signature
- Valid bank card with photo

Examples of Acceptable Names on Required ID

NAME ON APPLICATION	NAME ON ID	ADMITTED TO TEST
Mohammed Saeed	Saeed Mohammed	Yes
Christine Reynolds	Christine White	No
William Rice	Bill Rice	Yes
T.J. Coleman	Thomas J Coleman	Yes
Tanya L. Sullivan	Tanya Lee Sullivan	Yes

Trained Pearson VUE proctors will supervise the exam. Irregularities observed or suspected by the proctors, or identified by subsequent statistical analysis of your answers on the exam, may result in your removal from participation in the exam or invalidation of your score. Irregularities include, but are not limited to, creating a disturbance, giving or receiving unauthorized information or aid to or from other examinees, or attempting to remove materials from the testing room. BICSI reserves the right to investigate each incident of misconduct or irregularity.

Candidates must be able to use a computer and mouse.

Candidates are not allowed to bring any items into the testing room (phones, watches, hats, etc.). All necessary items will be available during the exam, including calculators and a whiteboard as scratch paper.

There are no scheduled breaks during the exam. If a break is needed, the break will count toward the two hours you have to complete the exam.

Confidentiality

All exam questions are the copyrighted property of BICSI. It is forbidden under federal copyright law to copy, reproduce, record, distribute, display, or share these examination questions by any means, in whole or in part.

New credential holders will be listed, by name and region in BICSI publications. Please contact us immediately if you wish to be excluded. Exam (pass/fail) results are confidential and will not be disclosed to anyone without candidate consent, unless directed by valid and lawful subpoena or court order.

When you submit your DCDC exam application, you agree to abide by the BICSI Terms and Conditions (found on page 15 of this handbook). Among other things, the Terms and Conditions address post-examination questions and discussions. It states:
"... I certify that I will not provide, receive, or release any confidential examination information and/or materials (including, but not limited to: recording, copying, disclosing, sharing, publishing, or otherwise transmitting exam information by any means and for any purpose) or participate in fraudulent test-taking practices."

Any such discussion would be a potential violation of the BICSI Terms and Conditions and could affect the status of your credential, up to and including revocation of your credential or permanent suspension from any BICSI credential exams.

Passing Score

The DCDC exam is designed to identify candidates with proficiency in the necessary competencies and knowledge that drives success in the ICT industry. The passing score for the DCDC exam is determined by a sound psychometric analysis. The passing score is established through a process called standard-setting, during which a selected panel of experts from the ICT field who currently hold the DCDC credential conduct a systematic evaluation of the test content. The panel discusses the qualifications for certification and makes a judgment on the level of knowledge an individual needs to be successful on the job. Their expert judgment is translated to a specific passing score on the exam using the statistical Angoff Method, a commonly used method in the credentialing industry.

Your performance on the DCDC exam will be measured against this predetermined standard. Your performance will not be measured against the performance of other individuals.

Results

After completing the examination, candidates who pass the exam will be notified of their passing status immediately through Pearson VUE. Candidates who are unsuccessful on the exam will be provided a score report. The score report is an explanation of your performance level on each of the topic areas covered on the exam and is not an actual score. Each section has a different weighting based on the number of questions in each section. One section may have a smaller or larger number of questions than in the other sections. It is meant to provide you with the areas for which you may need some additional study.

Candidates who pass the exam will have an electronic certificate available for download within three days of passing the exam through your credential dashboard. You will also receive instructions on how to obtain your digital credential, your DCDC logo, and your electronic stamp.

Retest Information

There is a 30-day waiting period between each unsuccessful exam attempt. After a third unsuccessful attempt, a 90-day waiting period will begin. You may be allotted additional attempts after the 90-day waiting period if your exam eligibility period is still valid.

Each exam retest requires the appropriate exam retest fee. If you do not pass the exam within your exam eligibility period, you can reapply for the exam by submitting a new application.

Comments

If you would like to provide a comment on a specific question on the exam and have it reviewed by the RCSC, you may do so by making a comment in the exam using the comment feature. If you answer the question incorrectly and the committee determines a re-score, changing your final score from fail to pass, BICSI's Credentialing Department will notify you by email within 30 days of your exam. The time spent on commenting on questions is allotted in the 2-hour exam total time and only comments made during the exam will be reviewed.

PHASE 5: RECERTIFY

STATUS	DEFINITION
Active	The status of a current credential.
Grace Period	The period between expiration of a credential and 90 days post-expiration of that credential.
Inactive Suspended Period	The period after your grace period of 90 days through one year post-expiration of that credential.
Expired	The status of a credential greater than one year from expiration of that credential.
Reinstatement	The RCSC will review and vote on reinstatement requests of which have been provided documentation of undue hardship preventing recertification during the standard recertification and suspension period.
Re-examination	After a credential has lapsed for greater than one year from the expiration date and has not been approved for reinstatement.

DCDC Certification Registration Period

Your DCDC credential is valid for three complete calendar years, with an expiration date of 31 December. Your credential will be valid for the remainder of that calendar year in which you first passed the exam plus an additional three years, regardless of the month in which you passed the exam. For example, if you earned your DCDC certification on 20 September 2024, your credential expiration date would be 31 December 2027.

Recertification Requirements

Recertification is an important part of any respected certification program and it is required to maintain a certification after passing the exam. Recertification helps to ensure the validity and credibility of the DCDC credential. BICSI views learning as a life-long endeavor and places an emphasis upon continuing education as part of maintaining your DCDC status.

It is the DCDC's professional responsibility to ensure that all requirements and conditions for recertification are satisfied and submitted to BICSI prior to the credential period ending. BICSI issues recertification reminders as a courtesy, but it is the credential holder who is ultimately responsible for keeping track and documenting continuing education credits (CECs) and any other requirements of the recertification process.

Within each three-year designation period, beginning when the exam is passed, all DCDCs must obtain a minimum of **36** approved CECs to recertify. If you do not recertify by your designation period end date, you may no longer use your DCDC credential or represent yourself as certified.

DCDC CERTIFICATION PROCESS

Recertification Fees	PRICES*	DETAILS
Recertification Fee	$225 - BICSI Member $385 - Nonmember	Fee applies to participate in the recertification process. A completed recertification application must be submitted online, along with payment.
Recertification Late Fee	$175	Fee applies to recertifications completed six months to one year past the credential expiration date.
Reinstatement Fee	$300	Fee applies to credential reinstatement.

*Pricing is listed in U.S. dollars and subject to change without notice.

BICSI has implemented a Recertification Audit Policy. Your CEC submissions are subject to random audit no later than 30 days after you recertify your credential.

ALL CREDENTIAL HOLDERS ARE SUBJECT TO AN AUDIT.

As a credentialing body, BICSI requires certification maintenance to protect the quality and integrity of the certification programs. Knowledge and skills required for competent occupational and professional performance change over time. This maintenance process encourages credential holders to remain current in their field, it increases confidence among the public, employers, and other stakeholders.

BICSI requires those holding a BICSI credential to participate in certification maintenance by adhering to the recertification requirements for the credential and to adhere to the **Continuing Education Credit (CEC) Program** at **bicsi.org/cec** in order to retain their certification.

As a BICSI credential holder, you have consented to the policies, processes, and procedures of BICSI's credentialing program which includes the Continuing Education Credit Program and adherence to the terms of the audit process. This means that all CEC documentation has been reviewed by you and that you are acting in accordance to these policies and procedures.

The recertification audit serves as a method to ensure that credential holders are meeting the minimum standards to maintain the knowledge and skills needed to remain current in the field of ICT in cable infrastructure and design.

Please continue to submit CECs and supporting documentation as you earn them to easily keep up with the audit process. Please maintain copies of your records for 6 (six) months after recertifying your credential in case you are randomly selected for an audit.

AFTER BECOMING A DCDC

Use of the Designation

Professionals who have met the certification standards defined by BICSI and who maintain their credential through the recertification process are authorized to use the DCDC designation, including a DCDC stamp.

Adding your DCDC credential to your professional profile will draw special attention to your achievement, and to the time and discipline involved in pursuing and attaining your goal. You may include your credential on business cards, in résumés, on your personal web pages, in bylines for articles or blog posts, and in email signatures.

DCDC Stamp

We encourage you to use your DCDC stamp whenever appropriate. You may view the full "How to Use your Stamp/Logo" **here.** You are eligible to receive a complimentary digital DCDC stamp by emailing your request to **credentialing@bicsi.org.** You are also able to purchase a self-inking stamp through RS Rubber Stamps & Engraving*. The order form to complete is located on your credential dashboard on your BICSI Profile.

Credential Verification

The names of current credential holders are not considered confidential and may be published by BICSI. Published information may include name, city, state, country, and organization. The names of all professionals holding the DCDC certification will be automatically listed in BICSI's online Verify/Search a Credential Holder Directory, searchable by city, state, and country. It can be found online at **bicsi.org/verify.**

Records Retention

BICSI retains paper documentation for two years. You must retain copies of all documentation sent to BICSI.

*A copy of your credentialing certificate must be included as proof of credential to process your order.

AFTER BECOMING A DCDC

Reinstatement Policy for Lapsed Credential Holders

Reinstatement of a lapsed credential is allowed under certain circumstances. Eligibility is available to any credential holder who has lapsed recertification for no more than two terms past the credential's original expiration date and the procedures to reacquire your credential is as follows:

Option 1

- Retest.

Option 2

- Provide documentation for the continued work of a DCDC performed over the lapsed period.
  - ◇ List any ICT training attended during the lapsed period.
- Attend and complete the DC102 class.
- Pay reinstatement fee.

Reinstatements: The credential will remain in expired status until the completion of the requirements outlined in this policy. The lapsed credential amnesty reinstatement opportunity is available to a lapsed credential holder one time only. Any future lapsed periods will require a retest to earn certification.

Recertification Suspension Policy

A suspension period is intended to allow you the opportunity to complete your expired credentials' recertification requirements without the loss of the credential. The expired certification will instead be suspended (invalid) until all recertification requirements have been satisfied as defined below.

The suspension shall be provided automatically after 90 days past the expiration date.

You will receive notice of expiration and placement into the suspension period. The suspension shall expire **one year** from the certification's original expiration date.

The suspension period **will not** alter the recertification period dates or change the certification's original expiration date. BICSI's website will indicate the credential holder's suspended certification during any suspended period. If proof of the suspension period is required by someone other than the credential holder (i.e., client or employer), you may log into your BICSI profile for status of your certification.

To view the Suspension Policy, in its entirety, as well as the conditions of suspension, please visit the BICSI Credentialing webpage at **bicsi.org/recertify.**

> The reduction of a wired infrastructure and the growth of data centers for 'cloud' computing has provided a guaranteed path for a DCDC credential in the near future.
>
> – K. Rex Mayfield, RCDD, DCDC, NTS, RTPM
> Principal, Executive Communications Group
> Memphis, TN, USA

GENERAL POLICIES AND PROCEDURES

Code of Ethics and Professional Obligations

BICSI has established the Ethics Committee, the Code of Ethics, and a list of Professional Obligations to reinforce the Code. The Code of Ethics is as follows: **It is important that the BICSI members and credential holders exhibit the highest principles of ethical and professional behavior in the provision of their products and services associated with the ICT industry and in their professional interactions associated with BICSI or BICSI events.**

The below listed **Professional Obligations** serve as guidelines to assist members and credential holders to understand the meaning of the Code of Ethics. Adhering to these Professional Obligations will enhance public confidence in the integrity and service of BICSI members and credential holders.

Adherence to the **12 Professional Obligations** is mandatory.

As a BICSI member and/or BICSI credential holder, I have an ethical and professional obligation to the association, the ICT industry, and its consumers. I therefore pledge to:

1. Maintain a high standard of professional conduct.

2. Protect and enhance the reputation of the BICSI organization, the credentialing program, and any credential held, through my actions.

3. Not misrepresent my BICSI credential(s) nor willingly allow others to represent or use my credential(s).

4. Adhere to all relevant codes, laws, ICT industry standards, and BICSI methodologies.

5. Serve all members of the public honestly impartially, providing no substandard service, based on age, race, national origin, color, gender, sexual orientation, disability, or religious belief.

6. Refrain from knowingly misrepresenting or misstating my or any other individual's qualifications, abilities, or accomplishments.

7. Respect a client's decision in the selection of competitive services and continue to offer and provide that client with quality services, when requested.

8. Maintain the confidentiality of privileged information entrusted or known to me by virtue of my profession or position in accordance with all applicable laws and/or agreements.

9. Be accurate and truthful in my dealings with clients and not misrepresent the quality, quantity, cost, availability, or ability of the services I provide.

10. Be accurate, honest, and truthful in the presentation of all educational material or in the preparation of material orders and product availability.

11. Provide unbiased, accurate, and objective assessments for all safety and operational deficiencies that may be discovered during the performance of my services.

12. Refrain from using false and misleading statements or malicious actions that might injure another person's reputation or bring harm to their person or property.

GENERAL POLICIES AND PROCEDURES

BICSI Credential's Appeal Process

An appeal should be sent to BICSI's liaison, emailed to **credentialing@bicsi.org** Attn: RCSC Staff Liaison, within 14 calendar days from the date on the denial notification.

When a notification of intent to appeal has been received by the Staff Liaison, the RCSC Appeals Panel will be notified of the intent to appeal. The Staff Liaison will prepare a package of the related data and supporting documents and send to the Appeals Panel, within seven calendar days.

This Appeals Panel shall reach a decision no later than 30 calendar days from the original receipt of the appeal. During the review of an appeal, should a member of the panel have a conflict of interest, that member must recuse themself and an alternate will be assigned.

Appeals Panel

The Appeals Panel is comprised of the RCSC Chair, Vice-Chair, Secretary, and Staff Liaison (non-voting).

Acts as a primary body to review appeal issues and requests made to the RCSC and may request investigations and/or further research into an issue before making a determination. Panel shall review facts of a denied reinstatement of credential(s), denial of certification exam application, or exam challenge.

The Appeals Panel has three (3) options:

- Uphold the original decision.
- Amend the original decision backed by further review
- Deny the appeal.

All Appeals Panel decisions are considered one-time exceptions and **DO NOT** represent a permanent policy change unless the RCSC subsequently formally approves a permanent change.

BICSI ANTITRUST STATEMENT

BICSI believes strongly in competition. U.S. antitrust laws are the rules under which our competitive system operates. It is BICSI's policy to comply in all respects with the antitrust laws.

Association meetings or workshops by their very nature bring competitors together. Accordingly, it is necessary to avoid discussions of sensitive topics. Agreements to fix prices, allocate markets, engage in product boycotts, and to refuse to deal with third parties are automatically illegal under the antitrust laws. It does not matter what the reason for the agreement might be.

Accordingly, at any association meeting discussions of prices (including elements of prices such as allowances and credit terms), quality ratings of suppliers, and discussions that may cause a competitor to cease purchasing from a particular supplier, or selling to a particular customer, should be avoided. Also, there should be no discussion that might be interpreted as a dividing up of territories.

An antitrust violation does not require proof of a formal agreement. A discussion of a sensitive topic, such as price, followed by action by those involved or present at the discussion is enough to show a price-fixing conspiracy. As a result, those attending an association-sponsored meeting should remember the importance of avoiding not only unlawful activities, but even the appearance of unlawful activity.

BICSI DCDC

For more information:
bicsi.org/credentialing

Questions:
Phone: +1 813.979.1991 or 800.242.7405
(USA & Canada toll-free)
Email: **credentialing@bicsi.org**