

# WELCOME

## BICSI Southeast Asia Thailand Conference 2017

(23<sup>rd</sup> to 24<sup>th</sup> November 2017)

**AVANI Riverside Bangkok Hotel**

### DAY 2

**Garies Chong, RCDD, DCDC**

**BICSI Southeast Asia District Chair**

**M.D. of EMS Wiring Systems**



The BICSI logo, featuring the word "Bic" in a bold, italicized font, followed by "si" in a regular font, with a curved line above the letters.



*advancing the information and  
communications technology community*

## Technical Publications (Manuals & Standards)

**Garies Chong, RCDD, DCDC**

**EMS Wiring System, BICSI Southeast Asia District Chair**



# What is BICSI ?

BICSI - **B**uilding **I**ndustry **C**onsulting **S**ervice **I**nternational, Inc.

**BICSI** is a non-profit association serving professionals in the Information & Communications Technology (ICT) community

**BICSI** is a global association serving more than 23,000 ICT industry professionals in 100 countries around the world with its headquarter in Tempa, USA.

**Core Purpose: Advancing the ICT Community**

**BICSI's Vision:** BICSI will be the preeminent global resource for developing standards, providing credentials, accreditation and knowledge transfer for the ICT community



# **BICSI Provides ICT Community Professionals with.....**

## **Technical Knowledge**

- Internationally Adopted Industry Standards
- Technical Publications & Magazine at Regular Intervals

## **Professional Development**

- Globally Recognized Credentials
- Trainings & Certifications in Design, Installation and Project Management

## **Access to the Local & Global Communities**

- Educational Conferences & Exhibitions, Breakfast & Pub Clubs
- Professional Networking



# BICSI – Manuals & Standards



*advancing the information and  
communications technology community*



# Technical Publications : **BICSI Manuals** (Methods & Reference Manuals)



## Technical Publications : **BICSI Manuals** - **Methods & Reference Manuals**

- *Telecommunications Distribution Methods Manual (TDMM)*
- *Telecommunications Project Management Manual (TPMM)*
- *Outside Plant Design Design Reference Manual (OSPDRM)*
- *Information Technology Systems Installation Methods Manual (ITSIMM)*



# Technical Publications : **BICSI Standards** (Design and Implementation Best Practices)





# BICSI Standards Publications

## BICSI 001-2017

ICT Design & Implementation Best Practices for Educational Institutions & Facilities.

## BICSI 002-2014

Data Center Design & Implementation Best Practices.

## BICSI 003-2014

Building Information Modeling (BIM) Practices for Information Technology Systems.



# BICSI Standard Publications

## BICSI 004-2012

Information Technology Systems Design and Implementation  
Best Practices for Healthcare Institution and Facilities.

## BICSI 005-2016

Electronic Safety & Security (ESS) System Design and  
Implementation Best Practices.



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# BICSI Standard Publications

## BICSI 006-2015

Distributed Antenna System (DAS) Implementation Best Practices.

It supports numerous services used on a daily basis:

- Cellular Service.
- Personal Communications Services (PCS).
- Enhanced Specialized Mobile Radio (ESMR).
- Advanced Wireless Services (AWS).
- Broadband Radio Services (BRS).
- Public Safety and Business Band Land Mobile Radio (LMR).
- Emergency Medical Services (EMS) Radio.



# BICSI Standard Publications

## **BICSI 007-2017**

ICT Design & implementation for Intelligent Buildings and Premises.

## **NECA/BICSI 607**

Standard for Telecommunications Bonding and Grounding Planning and Installation Methods for Commercial Building.



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# Reach of BICSI Standards & Manuals Worldwide



# BICSI Internationally Recognised Design Credentials

**Bicsi**<sup>®</sup>  
RCDD

**Bicsi**<sup>®</sup>  
DCDC

**Bicsi**<sup>®</sup>  
OSP DESIGNER

**Bicsi**<sup>®</sup>  
RTPM



**Bicsi**<sup>®</sup>

# BICSI Internationally Recognised Credentials

**Registered Communications Distribution Designer (RCDD)**  
Telecommunications Distribution Methods Manual (TDMM)

**Registered Telecommunications Project Manager (RTPM)**  
Telecommunications Project Management Manual (TPMM)

**Data Center Design Consultant (DCDC)**  
BICSI 002- 2014 Data Center Design & Implementation Best Practices.

**Outside Plant (OSP) Designer**  
Outside Plant Design Design Reference Manual (OSPDRM)



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# BICSI Installation Credentials





# BICSI Cabling Installation Program

The goal of BICSI's Cabling Installation Program is to produce highly competent cabling installers.

The four installation credentials BICSI offers are:

- **IN101: BICSI Installer 1 (INST1) Non-Renewable Certificate**
- **IN225: BICSI Installer 2, Copper (INSTC)**
- **IN250: BICSI Installer 2, Optical Fiber (INSTF)**
- **TE350: BICSI Technician (TECH)**

Upon completion of training, program participants should be able to conduct site surveys and install, terminate, and test copper and optical fiber cable to the highest level of specification.



# ANSI (American National Standards Institute)

Promotes standards use within United States

Accreditation body

- Standards Development
- Credentialing Bodies (ISO 17924)
- Testing Laboratories (ISO 17025)

Ensures open and unbiased standards development processes

Does not create standards



# BICSI International Standards Program

- BICSI develop standards within all aspects of ICT infrastructure design and installation over 450 members worldwide
- Accredited by ANSI (American National Standards Institute)
- Develops international open to use "royalty free" standards and best practices



# BICSI Subject Matter Experts

More than 150 subject matter experts from around the world participated in developing the standard.

## Perspectives Group

DC Manager, DC Operators, Consultants, Contractors, Risk Assessors, Manufacturers & Commissioning Agents

\*contributing their point of views

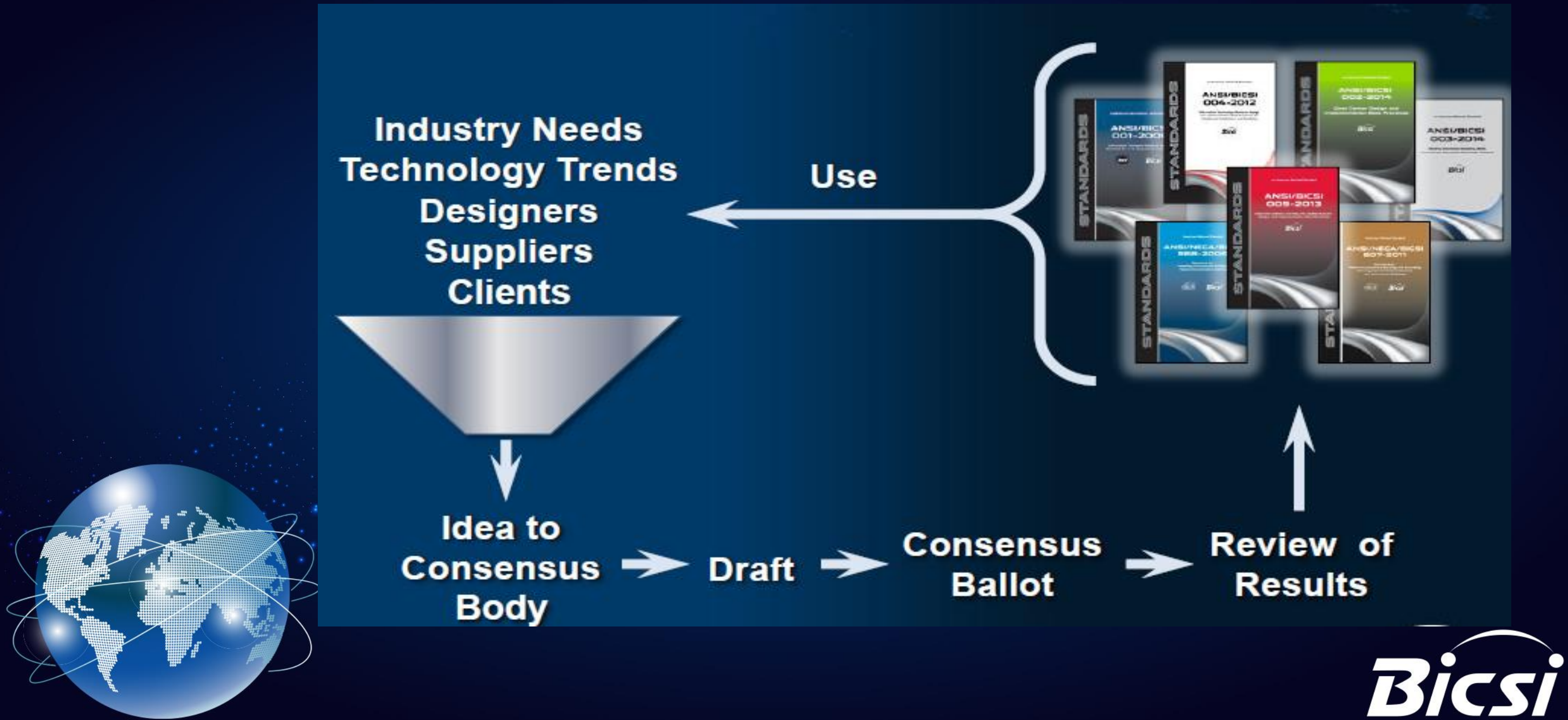
## Expertises Group

Facility Engineers/Architects, IT Engineers/Architects, System Administrators, Telecommunications, Security, Fire Protection & Project Managers

\*contributing their expert skills or knowledges.



# Standards Development Cycle



# BICSI DC Design Credential



Data Center Design Consultant



# BICSI Data Center Design Credential



How to obtain this prestige Data Center Design Consultant (DCDC) credential?





## Become a BICSI-Credentialed Data Center Design Consultant (DCDC)

### ➤ **Get the Publication**

The DCDC credential is based on ANSI/BICSI 002-2014, Data Center Design and Implementation Best Practices.

### ➤ **Take the Courses**

BICSI offers Data Center Training through Instructor-led or Web-based.

### ➤ **Earn the Credential**

Take the examination in any of 4,500 Pearson VUE Authorized Testing Centre worldwide and passing the DCDC examination.





# BICSI Data Center Design Consultant (DCDC) Credential



*Building Industry Consulting Service International*

THE PROFESSIONAL DESIGNATION OF

**DATA CENTER  
DESIGN CONSULTANT**

IS AWARDED TO

**Garies Chong**

by BICSI in recognition of having successfully completed BICSI's registration and examination requirements.

Designation Number: 191050D  
Registration Start Date: 1/1/2017  
Registration End Date: 12/31/2019

*George E. Phommavong*  
Chair, Registrations & Credentials Supervision Committee



*R. LaTina*  
Director of Credentialing

**Bicsi**  
DCDC  
Since  
12/19/2013



**BICSI**  
**LEARNING**  
**ACADEMY**



**Don't Stop Learning.**  
**We Won't Stop**  
**Teaching.**



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**Work toward a  
BICSI credential**

## **BICSI Training**

### **BICSI CONNECT**

- Web-based training

### **BICSI Webinars**

- Instructor-led courses online

### **On-Site Classes**

- BICSI Training Delivery Specialists (TDS) come to you

### **Open Enrolment Courses**

- Open to general public; check schedule online

### **Authorized Training Facilities (ATF) & Authorized Design Training Providers (ADTP)**

- BICSI courses offered at approved locations by licensed instructors



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# BICSI Learning Academy Courses

## Data Center Design

- DC101: Introduction to Data Center Design (BICSI Connect - Web-based Training)
- DC102: Applied Data Center Design and Best Practises
- DCDC Online Test Preparation Course

## Outside Plant Design

- OSP110: Cable Plan Design
- OSP200: OSP Design Review

## Telecommunication Bonding & Grounding

- BG101: Foundation of Telecommunications Bonding and Grounding (Online course via BICSI Connect)
- BG102: Best Practices for Telecommunications Bonding and Grounding



# BICSI Learning Academy Courses

## Project Management

- PM101: Introduction To Project Management (BICSI Connect - Web-based Training)
- PM102: Applied Telecommunications Project Management
- PM103: Advanced Tools for ICT Project Management (BICSI Connect – Web-based Training)

## Telecommunication Distribution Design

- DD101: Foundations of Telecommunications Distribution Design (Online Course via BICSI Connect)
- DD102: Designing Telecommunications Distributions System
- RCDD Online Test Preparation Course



# Join BICSI Today!

- Become a member of BICSI and be informed of the latest ICT updates
- Purchase and study the publications & consider the certification programs
- We welcome you as a volunteer of BICSI to participate & help to organize events



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# Stay in the BICSI Loop

**facebook.**

[www.facebook.com/bicsi](http://www.facebook.com/bicsi)

**Linked in**

[www.linkedin.com](http://www.linkedin.com)

**You Tube**

[www.youtube.com/bicsi2008](http://www.youtube.com/bicsi2008)

**twitter**

[www.twitter.com/bicsi](http://www.twitter.com/bicsi)



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# Key Takeaways

- BICSI offers members with opportunities for continual improvement and enhanced professional development or achievement.
- BICSI advances members' ability to deliver the highest quality products and services worldwide via publications, education and credentialing.
- BICSI is an international association with a global reach





For more informations, visit BICSI website at [www.bicsi.org](http://www.bicsi.org)

# Thank You!

**Garies Chong, RCDD, DCDC**

EMS Wiring Systems, BICSI Southeast Asia District Chair

