

# BICSI Global

Betty Bezos, RCDD, DCDC, OSP, ESS

Chair – BICSI CALA





# What is BICSI?

**BICSI - Building Industry Consulting Service International, Inc.**

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

**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 the ICT Community with . . .

## **Technical Knowledge**

- Internationally Adopted Industry Standards
- Technical Publications & Periodicals

## **Professional Development**

- Globally Recognized Credentials
- Training in ICT Design, Installation and Project Management

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

- Educational Conferences & Exhibitions
- Professional Networking

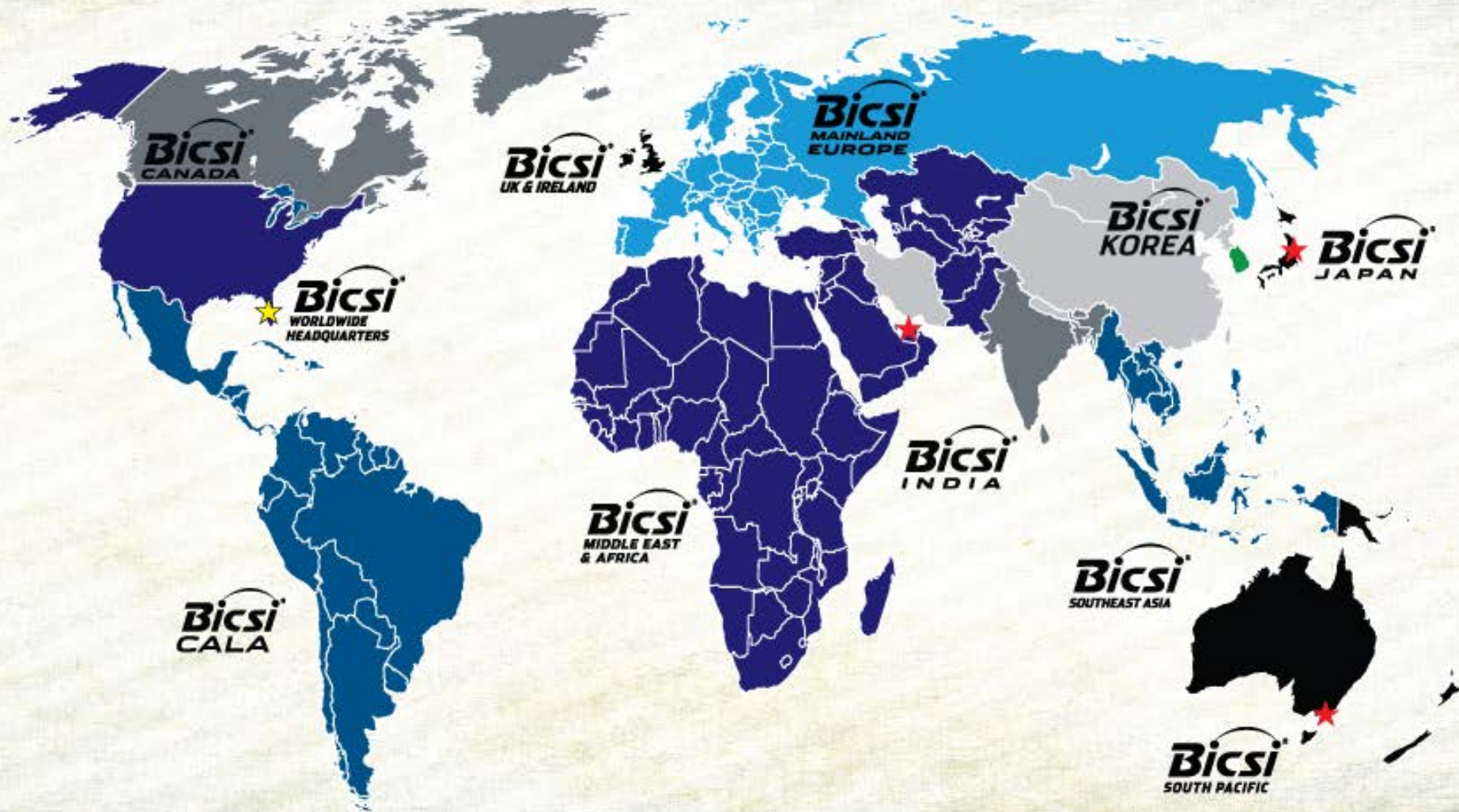




# In the Following ICT Community Segments

- Commercial & Residential Infrastructure
- Datacenters
  - Design
  - Operations
- Outside Plant Cabling Distribution
- Electronic Safety & Security
- Building Automation
- Wireless Systems
- Network Infrastructure
- Telecommunications Project Management
- Installation & Verification of Technology Systems

**BICSI Serves more than 23,000 ICT community professionals in 100 countries around the world**







# BICSI CALA

## **District Chair**

Betty Bezos, RCDD, DCDC,  
NTS, OSP, ESS, CT  
[bbezos@bicsi.org](mailto:bbezos@bicsi.org)

## **District Vice Chair**

Nelson Farfan, RCDD  
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## **District Secretary**

Yuri Bravo, RTPM, CT  
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## **Barbados**

### **Country Chair**

Peter Rock, RCDD, NTS  
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## **Puerto Rico**

### **Country Chair**

Ramon Arce  
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## **Chile**

### **Country Chair**

Juan Enrique Torres M.  
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# BICSI CALA



**Belize, Costa Rica, Honduras,  
and Panama**

**Country Chair**

Rolando Alvarado, RCDD  
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**El Salvador, Guatemala**

**Country Chair**

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**Vice Country Chair**

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**Country Chair**

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**Ecuador & Bolivia**

**Country Chair**

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# BICSI CALA



**Peru**

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**Vice Country Chair**

Joctan Vazquez

**Uruguay**

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[www.bicsi.org/cala](http://www.bicsi.org/cala)







# BICSI Products & Services



# Registered Communications Distribution Designer

***Bicsi***<sup>®</sup>  
*RCDD*

[www.bicsi.org/rcdd](http://www.bicsi.org/rcdd)





# Registered Communications Distribution Designer

UFC-3-580-01  
22 June 2007

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22 June 2007

## UNIFIED FACILITIES CRITERIA (UFC)

### TELECOMMUNICATIONS BUILDING CABLING SYSTEMS PLANNING AND DESIGN



APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED

#### CHAPTER 2 BUILDING TELECOMMUNICATIONS CABLING SYSTEM SPECIFICATIONS

The BCS is designed to satisfy Army Installation Information Infrastructure Architecture (IIA) policy, UFC 3-580-10 Design: Navy and Marine Corps Intranet (NMCI) Standard Construction Practices Information System (IS), and Engineering Technical Letter (ETL) 02-12: Communications and Information System Criteria for Air Force Facilities requirements within a facility. The BCS must be installed in accordance with the Telecommunications Industry Association (TIA) and Electronics Industry Alliance (EIA) Building Telecommunications Wiring Standards general guidelines with modifications and clarifications provided below. TIA/EIA specifications can be purchased at <http://www.tiaonline.org/standards/>. Telecommunications design must be performed and stamped by a Registered Communications Distribution Designer (RCDD) for all projects. For projects that involve the Navy Marine Corps Intranet (NMCI), coordinate infrastructure design with UFC 3-580-10 Design: Navy and Marine Corps Intranet (NMCI) Standard Construction Practices. For projects that involve the US Air Force coordinate infrastructure design with ETL 02-12.



[www.bicsi.org/rcdd](http://www.bicsi.org/rcdd)





# Other BICSI Credentials



[www.bicsi.org/credentialing](http://www.bicsi.org/credentialing)





# BICSI Installation Program



[www.bicsi.org/installation](http://www.bicsi.org/installation)







# BICSI ICT Training

- **BICSI CONNECT**  
Web-based training
- **BICSI Webinars**  
Instructor-led courses online
- **On-Site Classes**  
BICSI Training Delivery Specialists (TDS) come to you
- **Open Enrollment Courses**  
Open to general public; check schedule online
- **Authorized Training Facilities and Authorized Design Training Providers (ATF/ADTP)**  
BICSI courses offered at approved locations by licensed instructors

[www.bicsi.org/training](http://www.bicsi.org/training)





# Electronic Credentialing Exams

- Test for BICSI credentials
- Visit [www.pearsonvue.com/bicsi](http://www.pearsonvue.com/bicsi) to schedule a computer-based exam
- Email [credentialing@bicsi.org](mailto:credentialing@bicsi.org) for exam specifics

[www.bicsi.org/credentialing](http://www.bicsi.org/credentialing)





# Technical Publications



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

[www.bicsi.org/publications](http://www.bicsi.org/publications)





# BICSI International Standards Program

- Develop standards within all facets of Information & Communications Technology (ICT) infrastructure design and installation
- Details:
  - Over 500 members worldwide
  - Accredited by ANSI
  - Develops international standards and best practices
  - Nonprofit program - free of financial influences

[www.bicsi.org/standards](http://www.bicsi.org/standards)





# Information on ANSI

*(American National Standards Institute)*

- Promotes the use of standards in the US
- Accreditation body for:
  - Standards Development
  - Credentials (ISO 17024)
  - Testing Labs (ISO 17025)
- Ensures open and impartial processes
- Doesn't develop standards!





# BICSI Standards Within ICT

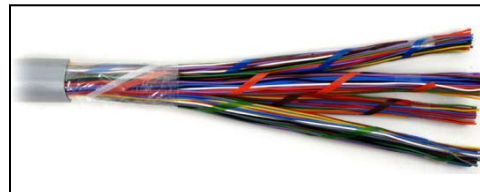
## IEEE

Defines the message and transmission characteristics

|   |              |
|---|--------------|
| 7 | Application  |
| 6 | Presentation |
| 5 | Session      |
| 4 | Transport    |
| 3 | Network      |
| 2 | Data Link    |
| 1 | Physical     |

## ISO/IEC & TIA

Defines the transmission media and system specifications



## BICSI

Defines how to design solutions using transmission media and systems





# BICSI Published Standards

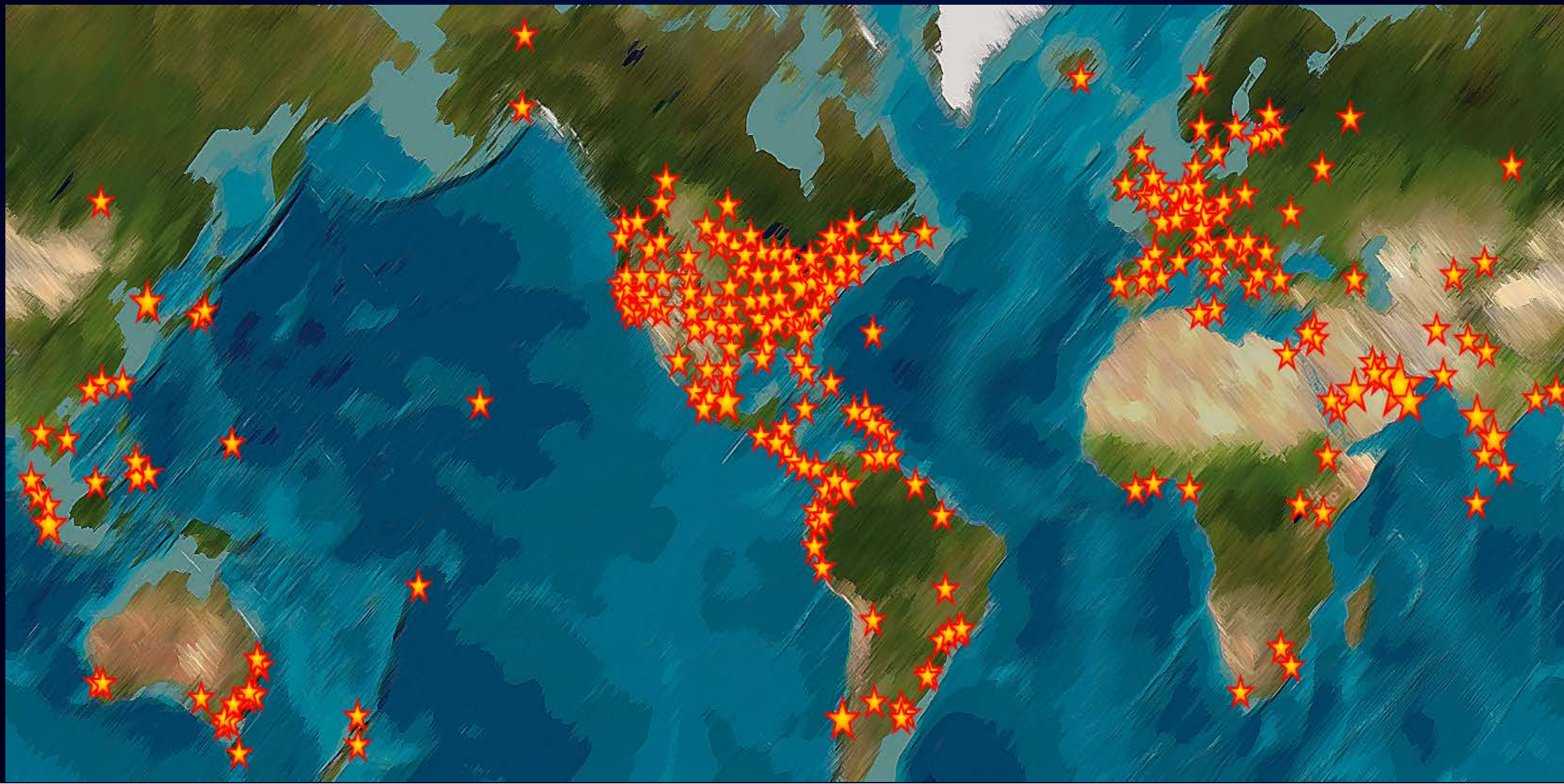
- Building/Facilities
  - Education Facilities (001)
  - Data Centers (002)
  - Healthcare Facilities (004)
- Systems
  - ESS (005)
  - DAS (006)
- Installation
  - Cable Installation (NECA/BICSI 568)
  - ICT Bonding and Grounding (NECA/BICSI 607)
- Other
  - BIM for ICT (003)

[www.bicsi.org/standards](http://www.bicsi.org/standards)





# Reach of BICSI Standards





# BICSI Events

## **Conferences & Exhibitions**

Technical presentations, exhibits and networking

## **Breakfast Clubs**

Breakfast, technical presentations and networking

## **Pub Clubs**

Refreshments, technical presentations and networking

## **Seminars**

Technical presentations and networking at a sponsored site

[www.bicsi.org/events](http://www.bicsi.org/events)







# BICSI Global 2017 -2018 Conferences & Exhibitions

- **BICSI CALA District – DataNet**  
9 – 11 August, Mexico City, Mexico
- **BICSI Middle East & Africa District Conference & Exhibition**  
17 August, Lagos, Nigeria
- **BICSI Fall Conference & Exhibition**  
24 – 28 September, Las Vegas, Nevada, USA
- **BICSI South Pacific Conference & Exhibition**  
26 – 27 September, Melbourne, Victoria, Australia
- **BICSI Italian Conference & Exhibition**  
24 October, Rome, Italy
- **BICSI CALA District Conference & Exhibition**  
2 November, San Juan, Puerto Rico
- **BICSI Southeast Asia District Conference & Exhibition**  
23- 24 November, Bangkok, Thailand
- **BICSI Southeast Asia District Conference & Exhibition**  
21 – 22 November, Manila, Philippines
- **BICSI Winter Conference & Exhibition**  
4- 8 February, Orlando FL
- **BICSI Middle East and Africa Conference & Exhibition**  
17- 19 April, Dubai UAE

[www.bicsi.org/conferences](http://www.bicsi.org/conferences)







# A Typical BICSI Audience Includes:

- ✓ Architects and Consultants
- ✓ Audiovisual (AV) Professionals
- ✓ Authorities Having Jurisdiction (AHJs)
- ✓ BICSI Credential Holders
- ✓ Broadband Service Providers
- ✓ Cabling Installers and Technicians
- ✓ Civil Engineers
- ✓ Communications Managers—Corporate and Government
- ✓ Communications Resellers and VARs
- ✓ Construction Managers (CMs)
- ✓ Data Center Designers and Engineers
- ✓ Electronic Safety and Security Professionals
- ✓ End Users
- ✓ Facility Owners and Managers
- ✓ General Contractors
- ✓ ICT Contractors
- ✓ ICT Design Consultants
- ✓ Management Professionals
- ✓ Marketers
- ✓ Military Personnel
- ✓ Network Designers and Administrators
- ✓ Outside Plant (OSP) Engineers
- ✓ Project Managers—Government, Military, Civilian and Corporate
- ✓ Quality Controllers
- ✓ Sales Engineers and Professionals
- ✓ Wireless/Digital Professionals
- ✓ Students



# Key Takeaways

- ✓ BICSI Offers Comprehensive ICT Professional Development
- ✓ Improve Quality of ICT Systems Deployed Worldwide via, Education, Credentialing & Standards Development
- ✓ World Renowned Global Association



# Thank You!

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Chair BICSI- CALA

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