

NATIONAL WORKSHOP ON NEUTRAL DIGITAL CONNECTIVITY INFRASTRUCTURE (DCI) IN BUILDINGS

March 06, 2024
@ The LaLiT, New Delhi

Supported by



NATIONAL WORKSHOP ON NEUTRAL DIGITAL CONNECTIVITY INFRASTRUCTURE IN BUILDINGS

6 March, 2024 | The LaLiT, New Delhi



TENTATIVE SCHEDULE

Time	Topic(s)	Speaker(s)
0900 – 0930	Registration & Light refreshments	
Curtain Raiser		
0930 – 0935	Welcome & Program Briefing – Dr. Shiv Kumar, Principal Advisor, BIF	
0935 – 1045	Theme: Quality of Experience of DCI in buildings – Consumer Perspective Keynote address: Shri Tejpal Singh, Advisor (QoS), TRAI Session Chair & Moderator: Dr P S N Rao, Dean (Planning & Dev.), School of Planning & Architecture	
	Panellists	
	1. Shri. Mohit Lohani, Country Head, MOZARK 2. Shri. Vishal Bahri, COO, RANext 3. Shri. Kousik Gupta, CTO, CREST Digital 4. Shri Rahul Tyagi, Managing Director, RTA Pvt. Ltd.	
	Q&A Concluding remarks by Session Chair	



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Inaugural Session

1045 – 1050	Welcome Address	Brig. Anil Tandan, DG, BIF
1050 - 1105	Introductory Address	Shri V. Suresh, President, Good India Governance Foundation, Former CMD, HUDCO
1105 – 1115	Address by Guest of Honour	Smt. Isha Kalia, Director, AMRUT, MoHUA
1115-1125	Address by Guest of Honour	Shri Mahendra Srivastava, Principal Advisor (CA, QoS, IT), TRAI
1125 – 1135	Special Address by Chairperson, BIF	Smt. Aruna Sundararajan, Chairperson, BIF
1135 – 1150	Inaugural Address by Chief Guest	Dr. R. S. Sharma, Former Chairman, TRAI
1150 – 1155	Vote of Thanks	Shri T.V. Ramachandran, President, Broadband India Forum (BIF)
1155 - 1215	Coffee/Tea Break	



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1215 - 1320	<p>Technical Session-I: DCI, Technology and in-building solutions (IBS) and Standards</p> <p>Session Chair and Moderator: Shri A.K. Mittal, Advisor (Networks), TSDSI</p> <p>Presentation by Dr. Nilesh Purey, Senior Vice President & CTO, GIFT City on <i>Intelligent buildings – Challenges and Advantages</i></p> <p>Speakers</p> <ol style="list-style-type: none"> (i) Shri Arun Kumar, Scientist – E & Director, Civil Engg. Department and (ii) Shri Devansh Deolkar, Scientist-D & Jt. Director, Electronics & IT Department, Bureau of Indian Standards (BIS) Shr. G D Singh, CEO-Mobility, iBUS Shri. Mohammad Shahid Khan - Global Pre-Sales Lead, Connectivity Solutions, STL.
	Q & A
	Concluding remarks by Session Chair
1320 - 1425	Lunch Break



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1425 – 1540

Technical Session-II: Provisioning and Implementation of DCI in states/UTs (Addendum to Building Bye-Laws, status of guidelines/implementation in states/ UTs and Certification (OC/CC) thereof)

Session Chair & Keynote address: Shri T R Dua, Director General, DIPA & Chairman, ITU-APT

Presentation by Shri Ashok Kumar, Director (AS-1), DoT

Moderator – Shri Gopa Kumar Krishna, CEO, RANext

Panellists

1. Shri Ganesh Bakade, Director (NBM), DoT
2. Shri Anuj Goyal, CGM, NBCC
3. Shri B S Nagar, Director – Rural, Haryana LSA
4. Shri R. Srinivas, Former Town and Country Planner, TCPO, MoHUA

Q&A

Concluding remarks by Session Chair

1540 - 1550

Tea break



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1550 – 1650	<p>Valedictory Session: Role of DCI for Smart Buildings/ Smart City</p> <p>Session Chair and Moderator: Shri Akhilesh Srivastava, Advisor, ITDA, Uttarakhand Government; Former CGM, NHAI</p> <p>Address on Summary of Day Proceedings: Mr. Debashish Bhattacharya, Sr. DDG, BIF</p>
	<p>Panellists:</p> <ul style="list-style-type: none"> Shri Naresh Kumar Dhiran, Additional Chief Planner, TCPO Shri Vineet Sirpaul, Chief Corporate Sales and Acquisition Officer, CREST Digital Shri B S Umesh, Associate Vice President, Prestige Property Management & Services
	Concluding remarks by Session Chair
1650 – 1700	Concluding Remarks & Vote of Thanks: Shri. Umang Das, Chairman, FTTX & IBS Committee of BIF
	End of session

*Invited

OVERVIEW

In today's hyper-connected world, reliable and robust digital connectivity has become an essential requirement for any building, be it residential, commercial, or industrial as 70-80% of data consumption is inside the building. There is need to treat communication infrastructure inside the building akin to water supply, and electrical systems, fire safety, security and surveillance system.

Advancements in technology have significantly impacted personal and professional lives, governance, and business models globally. Smart devices and online services require good digital connectivity, with the United Nations emphasizing its importance for societal and economic benefits. Emerging technologies like 5G, IoT, AI, and AR/VR are driving convergence of telecommunication services and socio-economic development.



OBJECTIVE

This one-day workshop will delve into the critical topic of Neutral Digital Connectivity Infrastructure (DCI) in buildings, exploring its role in fostering innovation, enhancing occupant experience, and contributing to smart buildings. The broad objective of the workshop shall be the following:

- To increase the awareness among various stakeholders including builders and developers on growing importance of robust neutral digital connectivity infrastructure (DCI) in buildings
- Sensitizing and facilitating the State and UT Government officials to incorporate and drive the provisions of DCI and in their respective Building Bye-Laws to ensure a seamless integration in the building permission system.
- To facilitate deliberations between various stakeholders such as TSPs/IP1s, the State Government officials in terms of providing solutions to install DCI infrastructure.
- To highlight the latest technological advancements/ intervention in installing DCI in various type of buildings.
- To deliberate the benefit of Rating of DCI in Buildings to various stakeholders



WORKSHOP ON NEUTRAL DCI IN BUILDINGS PROGRAM

Eminent global domain experts and Blockchain evangelist from Government, PSUs , Industry and Academia will deliberate upon the following:

0. 09.30-10.45 Curtain Raiser: Quality of Experience (QoE) of DCI in buildings-Consumer Perspective

1. 10.45-12.05 Inaugural Session: Distinguished dignitaries from government and industry, eminent experts on DCI in buildings and its rating, will address the illustrious audience and honour the occasion with their presence.

2. 12.15-1320 Technical Session I: Technology and in-building solutions (IBS) and Standards

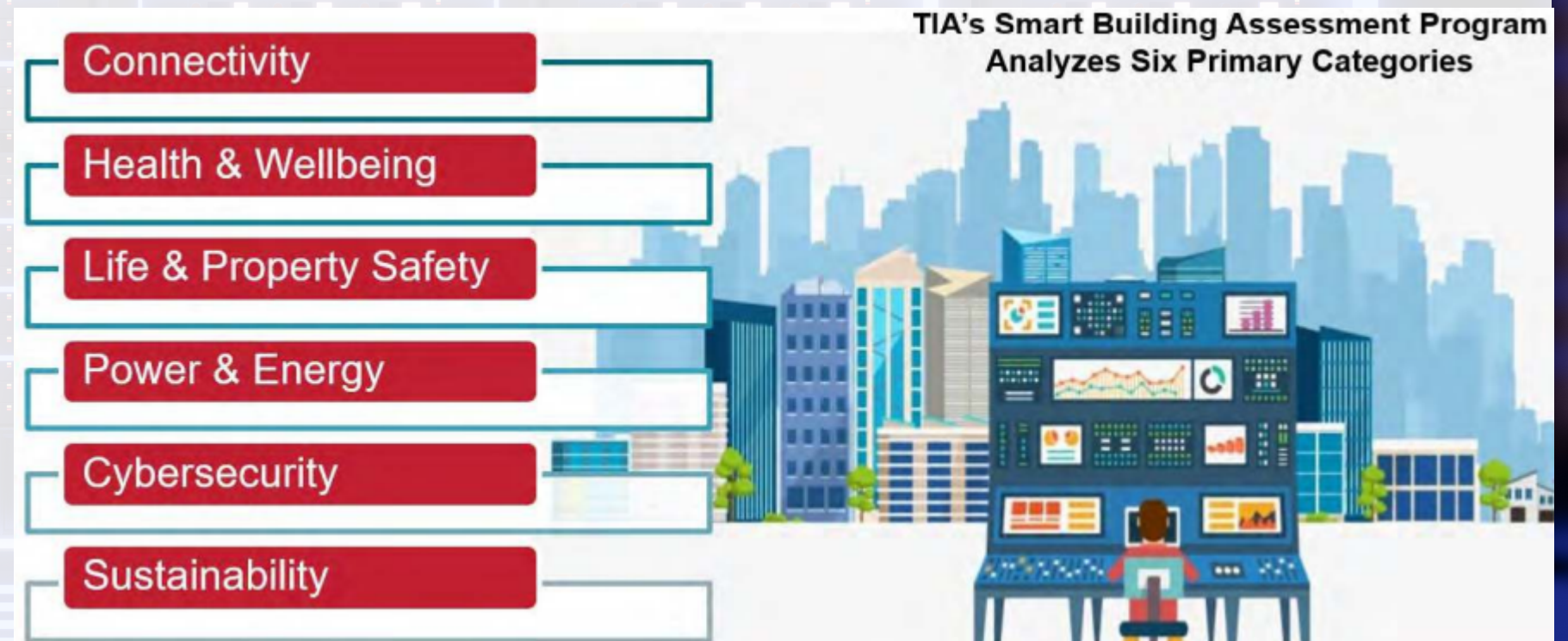
- Understanding DCI: Concepts, benefits, and global best practices.
- Technology and In-building Solutions (IBS): Latest advancements in Wi-Fi, 5G, and related technologies for seamless connectivity within buildings.
- Standards & Regulations

3. 14.25-15.40 Technical Session II: Provisioning and Implementation of DCI in states/UTs (Addendum to Building Bye-Laws, status of guidelines/implementation in states/ UTs and Certification (OC/CC) thereof)

- Addendum to Building Bye-Laws.
- Status of guidelines and implementation progress in various states/UTs.
- Approval and Certification processes (OC/CC) for ensuring compliance.

4. 15.50-16.50 Valedictory Sessions: Role of DCI DCI for Smart Buildings/Cities

Exploring the synergy between DCI and smart building, unlocking the potential for enhanced efficiency, seamless user experience, sustainability, and livability.



DIGITAL CONNECTIVITY IS ONE OF THE SIX KEY PARAMETERS FOR ASSESSMENTS OF SMART BUILDINGS - TIA POSITION PAPER ON ASSESSING SMART BUILDINGS

WHO SHOULD ATTEND?

- Building Owners and Developers
- Architects and Designers
- The Central Government and State Agencies involved in the Development of DCI in Buildings.
- Service providers and technology companies: To understand the opportunities and challenges presented by the Neutral DCI model
- Property Managers
- Skill & Capacity builders

KEY PARTICIPANTS EXPECTED

Participants are expected from Government, Policy Makers, Academia, TSPs/IPIs, Municipal Corporations, Urban Development Authorities, Skill Development and capacity building institutions, developers. Few of organisations are given as below:

MOHUA, DoT, TRAI, CREDAI/ NAREDCO/ RERA, State Telecom and UD Department, Urban Local Bodies and Urban Development Authorities, Telecom Service Provider TSPs/ IPIs, CPWD/ Delhi PWD, NBCC (National Buildings Construction Corporation), BMPTC (Building Materials and Technology Promotion Council), HUDCO, BIS, NHAI, TSDSI, MCD/ NDMC/ Municipal Corporations of Mumbai/ Kolkata/ Chennai, TSSC, NTIPRIT, Smart City, RailTel, Developers and many more

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