



**CABA Intelligent Buildings Council (IBC)
Draft Meeting Minutes**

Thursday, November 10, 2022
12 NOON - 1:30 PM (ET) via Webinar

IBC Executive:

IBC Chair, Bob Allan (NAVCO, Inc.)
IBC Vice-Chair, Harsha Chandrashekar (Honeywell International Inc.)
IBC Vice-Chair, Robert Lane (Robert H. Lane & Associates Inc.)
IBC Vice-Chair, Chris Larry (Exp US Services Inc.)

Present:

Adaptive Networks, Inc., Michael Propp
Albireo Energy, LLC, Bryan Williams
Applied Integrated Technologies, Robert Sadler
Applied Integrated Technologies (AIT), Isiah Jones
Automated Logic Corporation, Troy Maeder
Axis Lighting, Joël McNabb-Baltar
Baker Group Automation, Jake Schealler
Baker Group Automation, Russell Zimmerman
Baker Mechanical, Josh Subra
Belimo Americas, Tom Daenzer
Canadian Cyber Threat Exchange (CCTX), Bob Gordon
Cushman & Wakefield, Brian Vaughn
Delta Controls, A Delta Group Company, Allan Lanzador
Distech Controls Inc., An Acuity Brands company, Asim Baig
DJ Smith Inc., Doug Smith
Dwyer Instruments, Inc., Fabian Weber
Eagle Technology, Inc., Harold Kohal
Eagle Technology, Inc., Harshad Shah
Eagle Technology, Inc., Harry Kohal
EBTRON, Inc., Darryl DeAngelis
Endeavor Business Media, Wanda Lau
Endeavor Business Media, Janice Oliva
FCCC, Anthony Ortega
Fey Business Partners, Steve Fey
Futurologar, Cecilia Maria Neder Castro
GLG, John Diamant
Google, Thang Nguyen
Great River Automation LLC, Matt Metzger

Grundfos Holding A/S, Vinay Varne
Harvard University, Cooper Noone
Honeywell International, Inc., Brad Hill
Honeywell International, Inc., Sathish Nanjappa
Horizon Technologies, Ludo Bertsch
International Corporate Expansion (ICE) / XME.digital, Michael Desjardins
JMS Integrated Building Solutions, Jim Shadley
Johnson Controls Inc., Bernard Clement
Johnson Controls Inc., Charles Gans
Kele, Inc., Richard Campbell
KMC Controls, Wes Schoenherr
L&T Technology Services, Praveen Subhash Ingale
Legrand North America, David Clothier
LG Air Conditioning Technologies, José María Redondo
MediaSolve Group, Michelle Palmer
Memtronik Innovations, Howard Campbell
MHT Lighting, Kim Johnson
Minify Energy, Ben Wallace
Mircom Group of Companies (MGC), Michael DeMille
National Research Council Canada (NRC), Luc Pellerin
National Research Council Canada (NRC), Natalia Cooper
Picacity AI, Inc., Sumeet Johar
Siemens Industry, Inc., Bonnie Brook
Siemens Industry, Inc., David Thurow
Siemens Industry, Inc., Leann Whalen
Siemens Industry, Inc., Ross Little
Southwire Company, LLC, Charles Hume
Southwire Company, LLC, Elliott Gardy
Superior Essex Communications, Brian Ensign
Sustainable Resources Management Inc., David Katz
tekmar Control Systems Ltd., Eric Balt
tekmar Control Systems Ltd., Jay Vath
TELUS, John Pickersgill
Turntide Technologies, Brian Chang
Verify Security, Inc., Louis Parks
Your Growth Engine, Kevin McCaughey

1. **Agenda** - Greg Walker (CABA)

Greg Walker (CABA) thanked everyone for attending, outlined the agenda, and alerted everyone that the meeting was being recorded and will be made available to the industry.

2. **Call to Order, Welcome and Introduction** – Bob Allan (NAVCO, Inc.)

CABA member and IBC Chair Bob Allan (NAVCO, Inc.) welcomed everyone and introduced: IBC Vice-Chairs, Harsha Chandrashekar (Honeywell International, Inc.), Robert Lane (Robert H. Lane and Associates, Inc.) and Christopher Larry (Exp US Services Inc.), CABA Whitepaper Chair, Ken Wacks (Ken Wacks and Associates) and keynote speaker Louis Parks (Veridify Security).

3. **Appointment of New IBC Vice-Chair** – Bob Allan (NAVCO, Inc.)

Bob Allan welcomed newly appointed Vice-Chair, Chris Larry of Exp US Services Inc. Bob outlined Chris' bio and experiences.

4. **Administrative** - Bob Allan (NAVCO, Inc.)

4.1 **Motion to approve Past IBC Minutes**

Bob informed everyone that the meeting minutes from the August 9, 2022, IBC meeting were circulated and posted on the CABA Web site in the IBC section: www.caba.org/ibc.

A motion to approve the August 9, 2022, IBC minutes was moved by Chris Larry (Exp US Services), and the motion was seconded by Robert Lane (Robert H. Lane & Associates Inc.). Unopposed motion passed.

5. **Research Update** - Chris Larry (Exp US Services) & Greg Walker (CABA)

5.1 **2022 IBC Landmark Research “[Healthy Buildings and Indoor Environmental Quality](#)”** - Chris Larry (Exp US Services)

Chris gave a brief overview of this 2022 IBC Landmark Research Project, “Healthy Buildings and Indoor Environmental Quality”. Only the funders will receive the full \$130,000 of research but the Executive Summary of the research will be available to CABA Members. The funders selected Harbor Research to carry out this project.



There are currently 16 funders on this project and Greg mentioned that the IBC is actively seeking more funders.



Funding Levels

Titanium - \$1K Bronze - \$5K Silver - \$10K Gold - \$15K

To become a funder, contact Greg Walker at walker@caba.org.

5.2 Annual “[BACS Market Sizing North America](#)” - Greg Walker (CABA)

Greg Walker gave a brief overview of this annual, invitation-only, market sizing study focusing on building automation control systems. The project is continuing in 2022 and may be expanded to additional field devices and geographical areas.

Eight (8) CABA members have agreed to fund and participate in this research project:



6. **CABA Podcast** – Marta Klopotoska (CABA)

Marta Klopotoska (CABA) outlined CABA’s recent Podcast series on [Spotify](#) and [Apple Podcasts](#). CABA recently released the premiere episode on intelligent buildings titled “Understanding the Language Around Today’s Intelligent Buildings”. If you or someone that you know is interested in participating as a guest or host on a future episode, please contact Marta Klopotoska (CABA) at klopotoska@caba.org.

7. **Keynote: “Protecting buildings from cyberattacks – six important steps to take today”** – Harsha Chandrashekar (Honeywell International Inc.), Louis Parks (Veridify Security)

Harsha introduced Louis Parks who presented the keynote and participated in the Q&A.



Louis Parks
Chairman & CEO



Description: The systems and technology that operate Smart Buildings are increasingly subject to cyber attacks. Solutions for Smart Building cyber defense have focused on monitoring, visibility, and containment during or after an attack, but not real-time protection to prevent an attack. Therefore, cyber attack risk exposure remains for operational disruption and financial liability, while threatening the safety of occupants and a building’s reputation. New low-cost, real-time security solutions are emerging for building automation and Operational Technology (OT) systems, including methods for addressing existing installations. This presentation will highlight how real-time cybersecurity is different from monitoring, key aspects of creating and

implementing a secure environment, and how real-time security can be added to existing systems.

Louis Parks: lparks@veridify.com

8. White Paper Sub-Committee Update - Ken Wacks (Ken Wacks Associates)

An overview was given of the IBC White Paper review process, completed IBC White Papers and papers in progress. IBC White Papers are secondary literature review articles that are approximately 10-20 pages in length. These papers are written and distributed free of charge to inform the industry. For the papers to be approved by the IBC White Paper Sub-Committee (WPSC), they must have significant technical material of relevance to IBC members. They must not contain marketing material or promote an agenda. Any CABA member can and is encouraged complete the new one (1) page white paper proposal template and submit it to klopotowska@caba.org.

All completed and approved CABA White Papers are placed in the CABA Public Library, Members Library, CABA NewsBrief, CABA Twitter Feed, and CABA LinkedIn Group and promoted at industry events. To view the IBC White Paper terms of reference, previous IBC White Papers, and additional information, please go to: www.caba.org/ibc. All completed CABA White Papers can be found at: www.caba.org/whitepapers.

IBC White Paper Sub-Committee:

- Ken Wacks Associates, Kenneth Wacks
- Consultant, Steve Samson
- Frost & Sullivan, Dilip Sarangan
- National Research Council Canada (NRC), Heather Knudsen
- Sustainable Resources Management Inc., David Katz

If you or someone that you know would like to join one (1) or more of the following White Paper working groups, please contact Marta Klopotowska (CABA) at klopotowska@caba.org.

Ken went on to give an overview of the following in-progress papers.

8.1 In Progress:

“Fire Alarm Systems in Buildings”

- Canadian Fire Alarm Association (Chair)
- AML Encore Corp./Canadian Fire Alarm Association
- exp. US Services, Inc.
- Honeywell International, Inc.

8.2 Completed:

“OT Cybersecurity as applied to Building Automation Systems for Critical Systems”

- Mission Critical Global Alliance (MCGA) (Chair)

9. Other Business – Bob Allan (NAVCO, Inc.)

Other new IBC business

Bob Allan called for new business related to future IBC Guest/Keynote presentation topics and speakers, new IBC White Papers, new research projects and meeting ideas, etc.

No new CHC business was brought forward.

10. Announcements – Robert Lane (Robert H. Lane & Associates Inc.)

10.1 Past Events Overview

[2022 IES Annual Conference](#) - August 18-20, 2022 | New Orleans, LA

[Shanghai Intelligent Building Technology](#) - August 31 – September 2, 2022 | Shanghai, China

[BuildingsNY](#) - September 14-15, 2022 | New York, NY

[Cable-Tec Expo 22](#) - September 19-22, 2022 | Philadelphia, PA

[BICSI Fall Conference & Exhibition](#) - September 25-29, 2022 | Las Vegas, NV

[IFMA's World Workplace](#) - September 28-30, 2022 | Nashville, TN

[Light+Buildings](#) - October 2-6, 2022 | Frankfurt, Germany

[CRE Tech New York](#) - October 12-13, 2022 | New York, NY

[Greenbuild International Conference and Expo](#) - November 1-3, 2022 | San Francisco, CA

[ISA Automation & Leadership Conference](#) - November 7-9, 2022 | Galveston, TX

10.2 Upcoming Events

[The Buildings Show](#) – November 30-December 2, 2022 | Toronto, ON

[BICSI](#) – February 5-9, 2023 | Tampa FL

[AHR Expo](#) – February 6-8, 2023 | Atlanta GA

[Distributech International](#) – February 7-9, 2023 | San Diego, CA

[Buildex Vancouver](#) – February 15-16, 2023 | Vancouver, BC

11. Adjournment (1:30 PM ET) – Bob Allan (NAVCO, Inc.)

[Next IBC Meeting, Tuesday, February 28, 2023](#)

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CABA IBC meetings are open to CABA Members and invited guests, and everyone is encouraged to participate. [CLICK HERE](#) for more info on the IBC, past minutes, participants, and terms of reference. Any CABA Member that attended as a guest will be added to the IBC unless they notify the CABA office by November 23, 2022, that their name should not be added. Non-CABA members that attended this meeting as a guest, should contact Marta Klopotoska at klopotoska@caba.org, to indicate if they wish to join the IBC or CABA. [CLICK HERE](#) for more information on the CABA Benefits and please circulate them to others in your organization.

Regards,

Greg Walker, CAE

CEO

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