



Smart Home Council (SHC) Webinar

Meeting will commence 12:05pm ET

Tuesday, May 22, 2025 | 12 PM – 1:30 PM (ET)

SHC Chair: Ken Wacks (Ken Wacks Associates)

Vice-Chair: Charlie Derk (Legrand)

Vice-Chair: Joshua Gerena (2N/Axis Communications)

Connect to what's next™

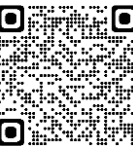
www.ashb.com



Agenda

Ken Wacks (Ken Wacks Associates)

1. Call to Order, Welcome, Introductions, About the SHC
2. Administrative
3. Research Update
4. Keynote: **The US Cyber Trust Mark - An Update** – Mike Bergman (CTA)
5. ASHB Podcast
6. ASHB Whitepapers
7. ASHB Journal
8. New Business
9. Announcements
10. Adjournment



1. Call to Order, Welcome, Intro, About the SHC

Ken Wacks (Ken Wacks Associates)



SHC Chair
Dr. Kenneth Wacks
Management &
Engineering
Consultant

KENNETH WACKS, Ph.D.
Management & Engineering Consultant



SHC Vice-Chair
Charlie Derk
Vice President of
Strategy



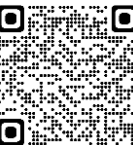
SHC Vice-Chair
Joshua Gerena
Segment
Development
Manager - CRE



About the SHC

Established in 2004, the ASHB Smart Home Council initiates and reviews projects that relate to smart home and multiple dwelling unit technologies and applications. The Council also examines industry opportunities that can accelerate the adoption of new technologies, consumer electronics and broadband services within the burgeoning smart home market.

www.ashb.com/shc



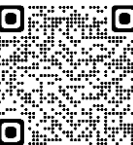
2. Administrative

Ken Wacks (Ken Wacks Associates)



Approval of SHC Minutes
February 20, 2025

www.ashb.com/shc



3. Research Update

Greg Walker (ASHB)



2025 SHC Landmark Research Smart Home Trends & Technology Adoption

Funders



Contact admin@ashb.com to obtain research findings and to join as a funder.



4. Keynote

Charlie Derk (Legrand)

Keynote Speaker

Mike Bergman - Vice President of
Technology and Standards



The US Cyber Trust Mark – An Update





Consumer Technology Association, producer of CES®

U.S. Cyber Trust Mark: Getting Ready for Certification

Progress, next steps, security requirements, certification process, potential impact, and enhancing cybersecurity.

USCTM Concept



Digital link to more info
("layered label")

Online Information

Consumer Info

Cybersecurity

U.S. CYBER TRUST MARK

About This Label: The U.S. Cyber Trust Mark ® appears on product that has been tested and approved to meet certain minimum cybersecurity standards. For more information, see *link to FCC.gov landing page for consumer information*. (text is a placeholder)

[link-to-alt-language-version](#)

Product Name: RingWraith2000
Manufacturer: Gamgee Unlimited

Security Information

Sensor Data Collection

	<input checked="" type="checkbox"/>	This product has a camera.
	<input checked="" type="checkbox"/>	This product has a microphone.
	<input type="checkbox"/>	This product does not have location tracking.

Support
[www.gamgee.tech/Support/Contact_Us](#)

Support Period
No guaranteed support period

Security Update Information
Consent based [CMU @2.1]

Password Management
Multi-factor authentication [CMU @2.2]

Securing This Product
[www.gamgee.tech/Support/Secure-Configurations](#)
Further cybersecurity detail: <https://link.demo.org>


General User Information
Use and other information: *link to mfg's choice*

Authorized: 13 April 3018
Authorized By: Melkor Conformity Inc.
Tested By: Ungoliant Laboratories

Link via first page

Link to Mfg's page of choice

Technical Info

Cybersecurity

U.S. CYBER TRUST MARK

This page carries advanced information to support more technical users, researchers and others who require such details. To return to the basics page, see *link*. (text is a placeholder)

[link-to-alt-language-version](#)

Product Name: RingWraith2000
Manufacturer: Gamgee Unlimited

Additional and Technical Information

Version and Model Numbers
[www.gamgee.tech/Support/Finding_Numbers](#)

Ownership Transfer
[www.gamgee.tech/Reprovisioning](#)

Recycling of Hardware
[www.gamgee.tech/Reprovisioning](#)

Account Deactivation
[www.gamgee.tech/Reprovisioning](#)

Is SBOM / HBOM available?
SBOM: No HBOM: Yes

Encryption and Key Management
[www.gamgee.tech/Encryption](#)

Other Information
Return to Basics page: *link to L1*
Contact our security team: *link or email address*

Authorized: 13 April 3018
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The Big Picture

- Voluntary FCC program administered by UL, standards & test procedures being developed now for accredited 3rd party conformity assessment.
- “Registry” of certified products supported by an API.
- Technical Standards
 - NISTIR 8425 is the “foundational” document (*search for “NISTIR 8425”*)
 - Technical requirements come from a new UL spec...
 - ...informed by CTA-2119 (*search for “CTA-2119 cybersecurity”*)
- IoT Product *not* IoT Device – mobile app and cloud services are in scope
- CTA cybersecurity and data privacy group R14 is providing:
 - Label design, deprecated technologies list, other guidance on process

Process from here

- Lead Administrator 90-day stakeholder process wrapping up now
- FCC Public Notice(s) of program details
- Accreditation of CyberLABs and of Cyber Labeling Authorities
- First product testing
- Schedule:
 - Depends first on how long FCC requires to publish program details.
 - Then depends on how long accreditation of labs takes.
 - Having certified product at CES 2026 would be a 'stretch goal'.

Preliminary
Top-Level Requirements
(based on NISTIR 8425 and CTA-2119)

Preliminary Technical Requirements

AKA *OK...So what does
the **product** need to do?*

NISTIR 8425 CATEGORY #1



Asset Identification

- **A protected, unique identifier(s) available to authorized entities, enabling dynamic inventory of all installed IoT Product Components.**

NISTIR 8425 CATEGORY #2



Product Configuration

- **A way to change the IoT Product configuration that is restricted to authorized entities, including a way to return to a secure default configuration.**

NISTIR 8425 CATEGORY #3



Data Protection

- **Sensitive data is protected securely.**
- **Personal information can be deleted (device, app, cloud).**
- **Product uses industry accepted secure protocols—not deprecated ones—for data communications.**

NISTIR 8425 CATEGORY #4



Interface Access Control

- **Physical, logical & developer interfaces are protected.**
- **Unused ports are closed.**
- **Passwords are not hard-coded, are protected from brute force attacks, and are *user provided, or must be changed on first use, or uniquely generated.***
- **Data validation & Principle of Least Privilege on all interfaces.**
- **No unauthorized transmissions from or to any of the components.**

NISTIR 8425 CATEGORY #5



Software Update

- **Software can be updated by authorized entities using a secure verification process for authenticated updates, either automatically or with notifications to users.**

NISTIR 8425 CATEGORY #6



Cybersecurity State Awareness

- **Support logging of security events, capturing, storing and transmitting them securely.**

Preliminary **Non-Technical Requirements**

AKA *OK...So what does
the **organization** need to do?*

NISTIR 8425 CATEGORY #7



Documentation

- Keep *pre-market* documentation including a list of IoT Components; how the baseline product criteria are met; the IoT platform used, if any; protection of software and hardware elements; and steps taken to address known, exploitable vulnerabilities.
- Keep *post-market* documentation including maintenance requirements; process of working with suppliers and vendors to ensure ongoing security; and the vulnerability management policies and processes.

NISTIR 8425 CATEGORY #8



Information and Query Reception

- **Provide consumers or the public with a point of contact to receive cybersecurity-related queries.**
- **Have the means to collect telemetry data for your IoT product and means to scan it for anomalies.**

NISTIR 8425 CATEGORY #9



Information Dissemination

- **For cybersecurity relevant information such as discovered vulnerabilities, have a program to alert and inform ecosystem stakeholders (e.g., those using the same open source, agencies, supply chain partners).**
- **Have a Risk Assessment for your IoT Product.**

NISTIR 8425 CATEGORY #10



Product Education and Awareness

Consumer-targeted information with what they need to know about:

- **changing configuration settings and the implications of changes;**
- **managing passwords or other access controls;**
- **software updates; device data creation/update/deletion;**
- **maintenance including after the end of security support;**
- **vulnerability management options; and**
- **any other info that would assist in informing a customer pre-sale.**

Additional Requirements

- Cloud services will have requirements as well.
 - Compliance with ISO 27001, Cloud Security Alliance, App Defense Alliance or other such programs may help.
- Mobile apps will have requirements as well.
 - TBD, but watch use of data storage, IPCs, data validation, password policy, etc.—basically, good cyber hygiene.

Learn More & Participate



[https //CTA.tech/Cyber-Labeling](https://CTA.tech/Cyber-Labeling) for info
standards@CTA.tech to get involved



THANK YOU!

Questions?



5. Smarter Homes & Buildings Podcast

Marta Klopotowska (ASHB)



ashb.com/podcast

Join industry experts and leaders from around the globe as they discuss everything smart home and intelligent buildings.



Apple
Podcasts



ASHB is looking for guests and hosts for future pre-recorded episodes. Contact admin@ashb.com for more information.

Recent Recordings:

- Basement Flooding Isn't Inevitable: How Technology Can Save Your Home
- The Science of Light: How Circadian Lighting Enhances Sleep, Mood & Performance



6. ASHB Whitepapers

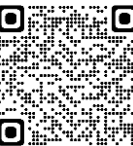
Ken Wacks (Ken Wacks Associates)



ASHB
Research Program

Published IBC White Papers can be downloaded at:
ashb.com/whitepapers
Send proposals to admin@ashb.com

Recently Published



6. ASHB Research Library

Ken Wacks (Ken Wacks Associates)

ASHB Association for Smarter Homes & Buildings

About Membership Networking Marketing Research & Information Join ASHB Login

The ASHB Research Library

The ASHB Library is the #1 resource to find smart home and building research. Our industry papers.

[Access the ASHB Public Library](#). No subscription is needed to view these reports, which are available here.

[Access the ASHB Member Library](#), with reports going back three years (2022-present). View reports here.

If your organization is an ASHB member and if you have questions on how to access the ASHB Library, please [contact us](#). Visit the [Members' Directory](#) for the full list of ASHB members.

- 2025 Collaborative Research
- Members' Library**
- White Paper Program
- Newsletter (weekly)
- Journal
- Free ASHB Reports
- Discounts
- Podcast

1,000 reports and white papers

summaries of these reports [here](#).

reports [here](#).

Access ASHB Public Library

EXPLORE LIBRARY

Preview ASHB Members Library

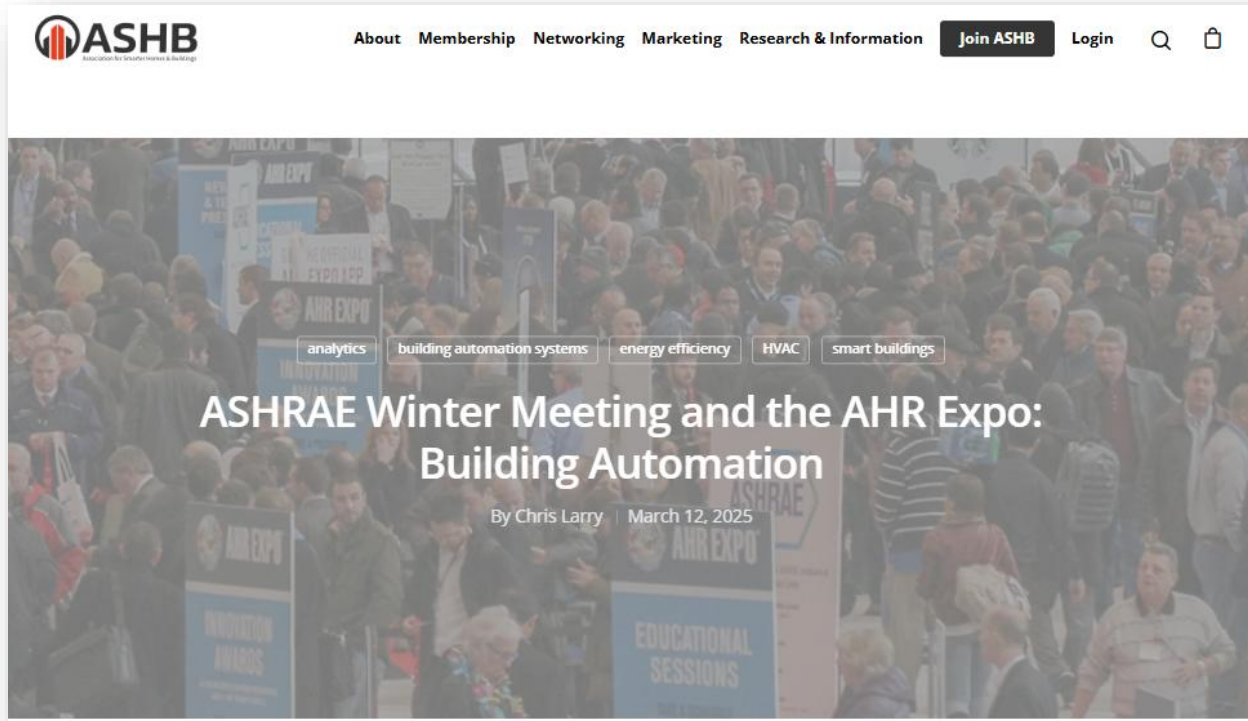
EXPLORE LIBRARY

and How to Choose the Right Technology to Help



7. ASHB Journal

Ken Wacks (Ken Wacks Associates)



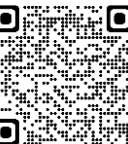
The ASHB Journal aims to educate and inform the ASHB membership and industry at large on emerging research, issues, challenges, and opportunities in the smart home and building sectors.

New articles are posted to the ASHB website, included in the weekly NewsBrief, and circulated on Twitter and LinkedIn.

Send proposals to admin@ashb.com

Recent posts:

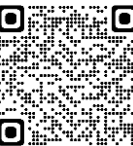
- **ASHRAE Winter Meeting and the AHR Expo: Building Automation**
- **Ken Wacks' Perspectives on CEDIA Expo: A/V & Home Automation**
- **Ken Wacks' Perspectives: Saving Lives with Standards**



8. New Business

Ken Wacks (Ken Wacks Associates)

New SHC Business?



9. Announcements

Marta Klopotowska (ASHB)

Upcoming Events

Shanghai Smart Home Technology
August 13-15 | Shanghai, China

CEDIA Expo
September 3-6 | Denver, CO

Smart Spaces by Parks Associates
September 16-17 | Dallas, TX

Smart Home & Furnishings USA
September 24-26 | Chicago, IL



10. Adjournment

Ken Wacks (Ken Wacks Associates)

Next SHC Meeting: August 2025

Association for Smarter Homes & Buildings (ASHB)

admin@ashb.com | www.ashb.com | www.ashb.com/shc

Connect to what's next™



ASHB

Smart Home Council

