



CABA'S CONNECTED HOME COUNCIL

Connected Home Council (CHC) Meeting Minutes
Hosted CBS Vision, Las Vegas, NV
Thursday, October 27, 2011
9 AM – 11:30 AM PT
MEETING MINUTES

Meeting Participants:

Ron Zimmer, CABA, Meeting Chairman
Scott Bachrach, Complete Learning Solutions
Paul Barnett, iShow/NextGen Homes*
Kristen Bowring, Best Buy Co. Inc.
Dave Brender, Copper Development Association
Matt Dhillon, Mahindra Satyam/USNAP Alliance
Ken Fairbanks, Duchossois Industries Inc.
Robin Ford, Global Cache
Jerry Gouge, Ingersoll Rand
John Hall, CABA
Helen Heneveld, Bedrock Learning
Andre Lalande, Lutron Electronics Co.*
Darryl Marks, CCL Management Corp.
Dr. Anton Monk, Entropic Communications/ MoCA
Carol Priefert, Microsoft Corporation
Barry Rogers, SecurTek Monitoring Solutions*
Kevin Shevlin, 3M Company
Cory Sorice, The Chamberlain Group
Brian Stephenson, Tyco Electronics*
Mark Trayer, Samsung Electronics
Hyoung Kyu Lim, Samsung Electronics
Brian Wellnitz, Broan-NuTone

(* Connected by teleconference)

1. Welcome and Introductions

On behalf of CHC Chairman Michael Clay, CABA President & CEO, Ron Zimmer chaired the meeting. Ron welcomed everyone to the meeting and thanked Darryl Marks and his team for providing the meeting room and AV equipment, at the CBS Vision Research Center. He acknowledged and thanked Kris Bowring of Best Buy, and Brian Lin of AMMAMSIC Technology for sponsoring the CHC meeting and breakfast. Ron proceeded with the roll call of meeting attendees, introductions of new CHC members, and welcomed attendees from new CABA Board Member, Samsung Electronics. The CHC meeting minutes of June 22, 2011 were discussed and motioned to pass – motioned by Kris Bowring, and seconded by Robin Ford. Ron went on to announce the appointment of new CHC Vice-Chair, Scott Burnett, Business Development Executive, Digital Convergence Group, IBM.

John Hall informed meeting participants that all presentations for the October 27 CHC meeting could be viewed and followed on the CABA website at: <http://www.caba.org/forum-chc-meeting-proceedings>.

2. NextGen Home – Paul Barnett, President, iShow (remote presentation)

Paul Barnett, President of iShow, thanked CABA on collaboration and sponsorship in the NextGen Home Experience, and updated the Council on the NextGen Home activities in the third

and fourth quarters for 2011. The NextGen Home is celebrating its 10th anniversary. Paul went on to detail the 2012-13 National Events Road Show Home, which will involve a CABA CES function, and appearances at the National Hardware Show, and several other planned shows. The NextGen Companion Series Homes will be launching at the 2012 Builder's Show and will have CABA as a sponsor of the Media Reception. As well, the NextGen Home and CABA research and data capture opportunity was updated. A travelling showcase home is planned for major trade show events including: CES, PCBC, KBIS, IBS and several more over the course of 12 to 18 months. The home will be green, energy efficient, smart and built with a broad application of sustainable and renewable products. Energy management, smart grid, intelligent appliances and other smart home attributes will be key aspects of the home. The many tens of thousands industry influencers, specifiers, media and general decision-makers touring the home offers a unique opportunity to capture research information, observation and feedback for those showcasing new product and technologies in the home. CABA will be working in conjunction with iShow in the coming months to devise real-time, value-added research collection and reporting mechanisms for those showcasing new technologies and products in the home.

3. Best Buy Energy Management Services: Research Presentation and Discussion - Kristen Bowring, Senior Director, Platform Lead, Home and Energy Management, New Business CSG, Best Buy

Kris Bowring, of Best Buy, presented a number of slides to the CHC, including Best Buys' "Smart Energy Program Consumer Study: Understanding Consumer Lifestyle Drivers and Energy Attitudes As Motivation for Smart Energy Program Participation". The key takeaway from this study was that consumer lifestyle drivers and motivators for technology adoption can be applied to the energy management industry to create a rich lens on the opportunities for how to best develop smart energy programs with a clear benefit for consumers. The presentation can be found at: <http://docs.caba.org/documents/Best-Buy-Home-Energy-Mangement-Report-CHC-Meeting.pdf>. Kris went on to outline the program that Best Buy is currently developing for its Home and Energy Management Program – from a strategic, tactical and retailing perspective.

4. CABA Research and Digital Home Forums Update – John Hall, CABA Research Director

John Hall updated the Council on the status of CABA's State of the Connected Home Market research study, and the Aging in the Connected Home research project. In summary, both research projects are currently on target – with the State of the Connected Home Market having completed its quantitative phase, with results available for presentation and review by the 26 project participant organizations at the end of November. The final report is scheduled for completion by mid-December. The Aging in the Connected Home study is nearly complete, with a Strategic Insights session to be held at Seton Healthcare in Austin, TX on October 28. A subsequent webinar for project participants is also being planned for early November, when the project will be completed.

Brian Stephenson, of Tyco Electronics, provided a report from the Smart Grid Working Group sub-committee of the CHC. It was also announced that the next Connected Home Landmark Research project for 2012 had been finalized and developed in conjunction with the CHC and the CHC Smart Grid Working Group – based on membership desire to examine the impact of residential Smart Grid deployment. The research proposal was developed with Frost & Sullivan and is entitled, "**Evaluation of the Impact of Smart Grid Implementation on the Connected Home Market**". The proposal, presented at the Digital Home Forum in Las Vegas, can be viewed and downloaded at: <http://docs.caba.org/documents/F-S-Proposal-Residential-Smart-Grid-Forum.pdf>. The project webinar will be presented by Frost & Sullivan on **Thursday, December 1, 2-3 PM ET**. Specific webinar details will be sent out to CABA members and interested participants within the next week.

Finally, it was announced that the next **CABA Digital Home Forum** was scheduled for **February 2012, TBD, at Verizon Headquarters in Basking Ridge, NJ**. A face-to-face (and remote participant) CHC Meeting will also be held in conjunction with the Forum. Specific dates and details will be made available as soon as possible.

5. Digital Technology Integrator Career Path and Certification Program: Update - Helen Heneveld, Bedrock Learning

Helen Heneveld provided the CHC with an update of the home automation and integration certification programs being developed and deployed by Bedrock Learning. With growth in device connectivity, and generally within the Connected Home industry, there is an increased demand for fully qualified technicians. As a result, there is a growing need for formal certification programs in the home automation installation industry. The Bedrock Learning presentation can be found at: <http://docs.caba.org/documents/Bedrock-Learning-CHC-Oct27.pdf>.

6. Ongoing Immersion Testing: “Update of Success with Immersion: Unique to the Research Area” – Update of the background, concept, research technique and recent success – Darryl Marks, CCL Management

Darryl Marks, of CCL Management, provided the Council with an update of the ongoing Immersion Testing research projects taking place at the CBS Vision Research Center facilities. Having added iPad technology for rapid data capture and analysis, Darryl referenced a recent study commissioned by 3M involving optics and consumer television viewing patterns. CBS Vision is known for its cutting-edge research techniques and is uniquely located at the MGM in Las Vegas, where high consumer traffic make it possible to quickly recruit targeted demographic respondents, for low-cost and fast turnaround of research projects. Dave Poltrack, Chief Research Officer, CBS Corporation and President, CBS Vision, CBS Corporation has recently announced that the CBS showcase facility at CBS Vision, currently shared with Sony Corporation, will soon be transformed into the “Connected Condo”. The Condo will be an exclusive showcase for Connected Home product and service research testing – employing the Immersion Testing research methodology. CABA members were urged to take advantage of the facility for new product and service development testing.

7. USNAP and EPRI Single Standard Smart Residential Interface Specifications – Matt Dhillon, Assistant Vice President, Utility Sales Americas, Energy & Utilities, Mahindra Satyam, USNAP Alliance

Matt Dhillon, Assistant Vice President of Mahindra Satyam and the USNAP Alliance, provided a presentation regarding a standard physical interface that allows smart appliances, energy management consoles, and other consumer products to support a variety of user-installable communication modules. USNAP and the Electric Power Research Institute (EPRI) announced the joint development of a single modular interface specification combining elements of the EPRI Demand Response Socket Interface Specification and the USNAP Alliance 2.0 specification. This effort was prompted by a request from the National Institute of Standards and Technology (NIST) Home-to-Grid Domain Expert Working Group (H2G DEWG) to harmonize the two bodies of work, in preparation for delivery to a standards development organization.

Research indicates that it is in the public’s best interest to have an interface that could provide consumers and manufacturers with reduced risk of end device obsolescence due to evolving communication technologies. It would also provide flexibility for utilities, allowing the communication systems used for load management to be selected and evolved based on individual needs and circumstances. A modular interface can enhance customer choice, stimulate competition and foster innovation. The full presentation can be found at: <http://www.caba.org/forum-chc-meeting-proceedings>, USNAP CHC Presentation.

8. MoCA 2.0: Presentation/Discussion – Dr. Anton Monk, Vice-President of Technology, Entropic Communications and MoCA CTO

Dr. Anton Monk, Vice-President of Technology, Entropic Communications and MoCA CTO (Multimedia over Coax Alliance) delivered an overview of MoCA, an update on the alliance, its planned initiatives for “MoCA 2.0”, an update of planned operator rollouts, and an update on other standards of interest like DLNA and IEEE P1905.1. The presentation focussed on MoCA as the only home entertainment networking and capability standard in deployment by all three pay TV segments – cable, satellite and IPTV/Telco – that is used worldwide. Dr. Monk also outlined trends in screen connectivity of U.S. television households, projected MoCA market share, and shared new MoCA initiatives to satisfy new home networking requirements. The MoCA presentation can be found at: <http://www.caba.org/forum-chc-meeting-proceedings>, MoCA CHC Presentation.

9. The Copper Development Association: Presentation - David Brender, P.E., National Program Manager, Copper Development Association Inc.

David Brender, P.E., National Program Manager for the Copper Development Association, Inc. (CDA), presented a rooftop temperature experiment that the CDA has been conducting for several years. The experiment was the subject of a peer-reviewed paper in IEEE Transactions and resulted in several changes to the National Electrical Code. The experiment, “The Effect of Rooftop Exposure on Conduit Ambient Temperatures (in Direct Sunlight)”, details the history and goals of the original experiment through to resultant experiments - to determine the extent of heating in copper wires in areas exposed to solar radiation, in residential and commercial buildings. Various materials, distances, design configurations and temperature differentials were used in experimental design to determine the optimization of wiring systems mounted at a distance above the roof. The CDA presentation can be found at: <http://www.caba.org/forum-chc-meeting-proceedings>, Copper Development Association CHC Presentation.

10. Other Business, Closing Comments and Meeting Adjournment – CABA President & CEO, Ron Zimmer

CABA President & CEO, Ron Zimmer asked meeting attendees for any outstanding business, and reminded everyone that all of the meeting presentations could be found on the CABA website at: <http://www.caba.org/forum-chc-meeting-proceedings>. Ron then reiterated that **the next meeting of the CHC would take place at the upcoming Digital Home Forum at Verizon Wireless in Basking Ridge, NJ in February 2012, with the date to be confirmed and communicated to all CHC members as soon as possible**. He then thanked all the featured presenters for their contributions and thanked the meeting attendees. Attendees were encouraged to participate in a networking lunch after the meeting and the meeting was then adjourned at 11:30 AM PT.

Other news items:

1. Information on CABA Councils, Terms of Reference and CHC meeting minutes are posted at: <http://www.caba.org/councils/index.html>.
2. For any CABA CHC member or non-member that wishes to participate in any of the CHC Advisory Boards, Task Forces or Working Groups, please contact Ken Gallinger, CABA Marketing Director, (gallinger@caba.org) or the CABA office.
3. The CHC meeting is open to all CABA members.

Also, if you wish to access the CABA Research Library, please e-mail Tony Disipio: Disipio@CABA.org and he will forward your new passwords.

CABA's Connected Home Council (CHC) Meeting Sponsorship Opportunity

If you are interested in sponsoring CHC Receptions at CES 2012 or the International Builders Show (NAHB), please contact:

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