

IEEE-SA Industry Connections - Convergence of Smart Home and Building Architectures



Overview

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Domains

Benefits

Related Work

Member Companies

Beneficiaries

Proposed Deliverables

How to Participate

Overview of IEEE-SA Industry Connections (IC) Program

An efficient, economical, safe-harbor environment for building industry consensus

- Facilitate collaboration
- Produce shared results

Minimal effort, time and expense to begin collaborative work

Respected, neutral, third-party home for activities and results

Efficient path toward prestigious IEEE publication/standardization

Flexible options for evolution, transition & conclusion of activities

<http://standards.ieee.org/develop/indconn/>

Complements IEEE-SA “formal” standards activities

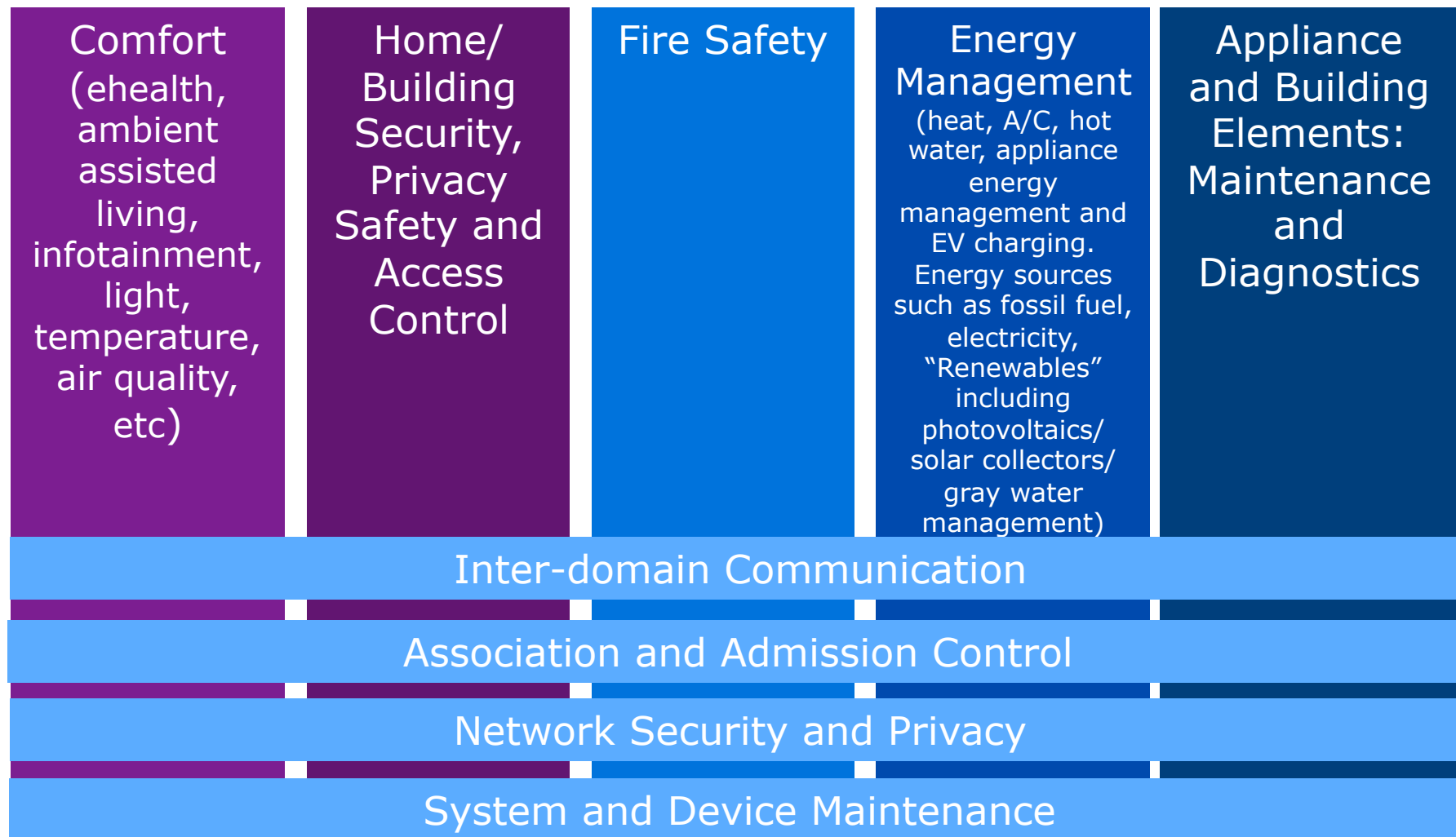
Overview of Convergence of Smart Home and Building Architectures

There are striking similarities among the communications network architectures of smart home and building environments as they relate to applications including electric vehicle, home or building energy management, infotainment, etc. However, a gap exists for interworking among these various domains.

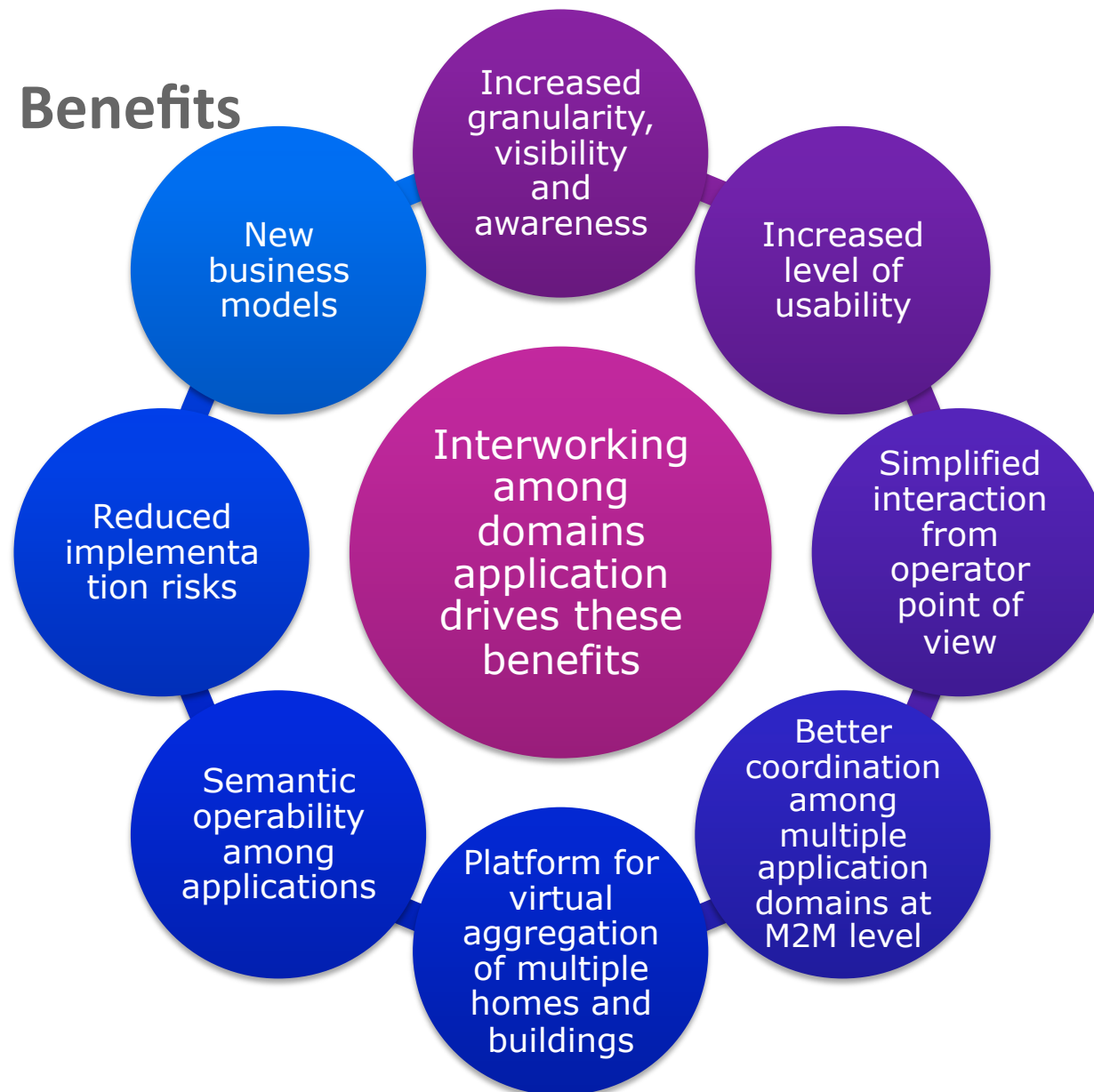
Although today users are able to access many domains through their TVs, smart phones and tablets, an effort is needed to enable seamless user experience that spans multiple application domains.



Domains under consideration



Expected Benefits



Related Work

Many bodies address this area from the industry specific point of view. Examples of such work include:

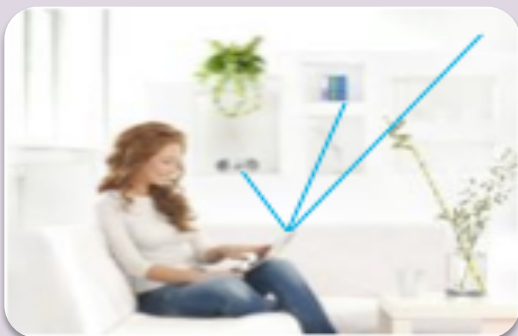
- Home Gateway Initiative
- Artemis IoE (www.artemis-ioe.eu)
- ISO/IEC 15118
- DKE committee K716, K STD 1711
- CEN/TC 247 "Building Automation, Controls and Building Management"
- RASSA
- ETSI OneM2M and M2M
- CEN/CENELEC ETSI Smart Grid Coordination Group
- CEN/CENELEC SSSC-CG
- ITU-T JCA-SG&HN Joint Coordination Activity on Smart Grid and Home Networking, ITU-T SG-13 and ITU-T SG-16
- Open Geospatial Consortium
- IPSO

There is no known dedicated standardization activity that addresses the convergence of these multiple domains.

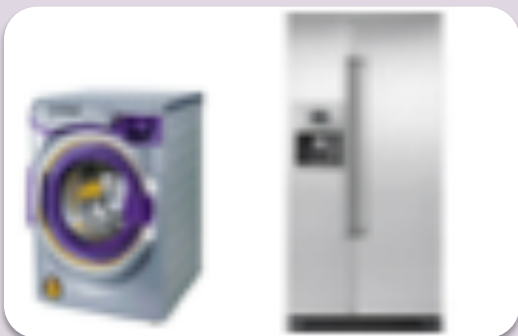
Member Companies



Beneficiaries



End users,
owners, and
operators



Manufacturers
of products for
the Smart
Home and
Building
market



Service
Providers,
Utilities, and
EV
manufacturers

Other Activities of the CSHBA group

Our activities are intended to be complimentary to existing activities on IoT, electric mobility, and IoE

Workshops and roundtables providing a platform for industry collaboration

Analysis of existing activities and standardization gaps

An Implementation Guide White Paper on the Convergence of Smart Home and Building Architectures

Join us!

Join our IEEE-SA
Industry Connections
group on Convergence
of Smart Home and
Building Architectures

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