

CENELEC Workshop Smart House

EU Mandate CENELEC/ENTR/e-
Europe.2001-03

Outline of final Report

H.K. Tronnier

CLC/TC 205 WG16 17th January 2002

- WG16 as agreed by ICTSB to review the HLSG #4, the Consumer Requirements report and the Mandate 273 on Design for All and Assistive technologies.
- The latter resulted into the different recommendations J1 to J45, in the Smart House area.
- WG16 evaluates received reactions.

CLC/TC 205 WG16 17th January 2002

- EU launched the rather general e-Europe policy plan where e-Accessibility is part of
- Konnex presents a Setting the Scene contribution, i.e. its overview of the different standardization initiatives, on Smart House networking systems
- EU Mandate CENELEC/ENTR/e-Europe.2001-03
- Initial draft Business Plan for the CLC WS-SMH and agreement to embark on such a way

CENELEC Workshop WS-SMH

Open Standardisation Approach

Smart House

Summary results

After SMH Plenary. 19th, 2003

WS-Secretary H.K. Tronnier

Subject list

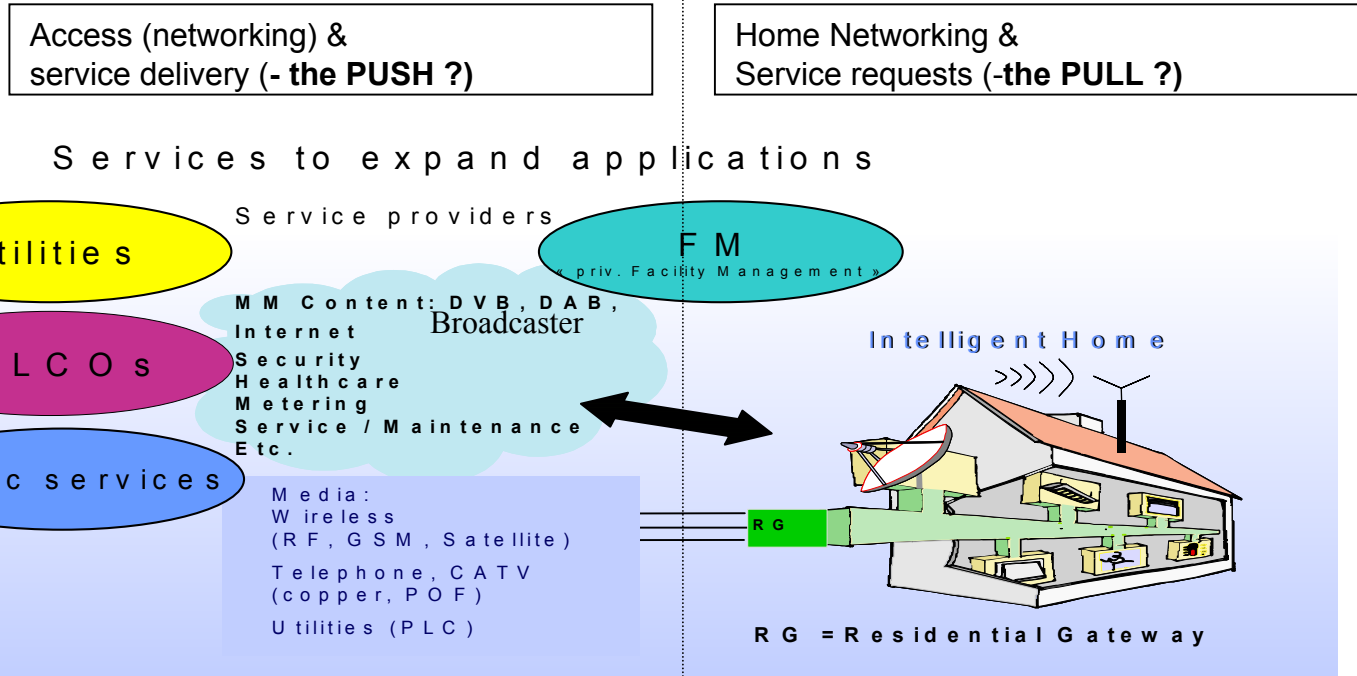
- On WS-SMH Objective
- WS-SMH Process
- WS-SMH meetings: 2002: May 14th, Nov 19th; 2003 May 19th
- Assessment of results of the year of WS-SMH
- Decisions on Furthering Smart House standardisation via « subject » leaders, neutral expert(s) and (again) management by CLC TC205/WG16

WS-SMH Objective

This **WS-SMH** shall assist therefore CENELEC TC205/WG16 in its tasks and role as a focal point:

- by gathering from a to be identified broadest possible forum of interests new and detailed information on Smart Houses and related standardisation needs (see SMH model), with appropriate emphasis on Design for All and Assistive Technologies,
- - by specifically investigating together with relevant market players, consumers, and other interested parties, needs for proper actions such as reinforced liaisons between existing bodies and/or additional working this field of Smart Houses
- - by agreeing, where necessary, on recommendations for future standardisation work and/or other complementary Consensus forming initiatives such as dedicated CENELEC workshops on specific topics.
- - by offering a forum for the presentation of RTD projects relating to the “Networked Smart House” - Platforms and/or to “Services to Smart Houses” with the view of possible application specific European consensus forming and/or standardisation.
- - by ensuring consultation and active involvement of the user communities

Agreed Smart House model



Picture 1

Content / Service	Access Networks	Home Gateway	Inhouse Media	Local Networks	Local Clients
Content and Application Service providers	Wired - POTS - ISDN - XDSL - CATV	Residential Gateway - Set-top Box - dedicated Framework Platform - MHP	Wired -narrowband -broadband - Powerline	Control Networks Service Networks Info Networks	HBES systems - Lighting - HVAC - Security surveillance & maintenance:
Service Aggregators		Access Box plus Network based "Service Gateway" (= Virtual Gateway)	Wireless RF -narrowband -broadband IR (limited)	- TV centric - PC / PDA centric - DECT / GSM	- Persons, Equipment (white goods), cars
Database Providers	Wireless -GSM, UMTS -DVB-T, DVB-S -DVB-S				Information & Entertainment
External clients					

WS-SMH Process (1)

- Approved Business Plan: WS-SMH task to produce one or more CWAs which shall propose sensible deliverables in this **Smart House** area, such as recommendations on CWA and/or standardisation activities to be initiated by identified technical bodies or workshops.
- To this end WS-SMH shall
 - receive a tutorial on the Smart House subject
 - receive input and information from people with different complementary or even competing business interest
 - consider pertinent Business Cases

WS-SMH Process (2)

- enable the necessary “Social Intercourse” among the different stake-holders and consumers
- expose resulting Business Opportunities
- assess cost effectiveness, usability, business models
- assess such input and address the interoperability issues (including the application) and a set of requirements of the three distinct areas of the model:
 - within the home *Smart House* networks, digital narrow and broadband, wired or wireless,
 - connection of external networks *Smart House via the Residential Gateway*
 - as regards *Services provision*

Workshop-Meeting (May 14th, 2002)

- **Kick-off May 14th, 2002; 44 participants**
 - Reiteration of WS role, Review of Business plan, as **key-note** (introduction), Kick-off meeting receives overview on OSGI (open service gateway initiative) from Mr. Kraft / Deutsche Telekom
 - Re-registration for WS and for project teams
 - Secretary to inquire into 21 FP5 RTD projects about significance for SMH Standardisation
- **Scouting for input to the 3 subject areas from PT members (and other potentially interested parties:**
 - at Consumer Electronics e/Home, at OSGI World Conference/Stockholm and others sources (see document Sec-14), such as MHP & DVB-T potential, UK “TheApplicationHome”- information
- **Preparation of (new) SMH three-tiers evaluation model and draft set of SMH standards**

Workshop-Meeting (Nov. 19th, 2002)

Nov.02 WS-Plenary; 27 participants, plus 19 interested excused

Presentation and Consideration of Project Teams (PT1a, PT1b, PT1c)
related subjects:

- SMH Networks and resources (PT1a)

- SMH Three-tiers model, integration of smart applications, draft standard list;**

- Permanently mounted control panel, PAD, TV-Set or PC for inhouse resource supervision and control

- Universal Plug and Play: the glue for (PC-centric) Smart in-House Networks

- Introduction of “inHaus” Network and Residential Gateway; Definition of Application Profiles

- The Application Home Initiative”: aims, mission, roles (related to all three PT)

Workshop-Meeting (Nov. 19th, 2002) ctd.

- SMH connection (PT1b):

- MHP's use for Home Networking**, as middleware platforms for next generation interactive multimedia applications in business, residential and mobile environments

- The MHP media platform

- DVB MHP, Die Multimedia Home Die Multimedia Home Platform, Eine neue Dimension des Fernsehens

- OSGI and embedded Frameworks**

Workshop-Meeting (Nov. 19th, 2002) ctd.

- SMH services and standards (PT1c)

- eCommerce application development of relevance to Smart House;
- B2C car/truck fleet management ;
- B2C White goods management/pay-per-use/maintenance
- Delivering Services using a (virtual) OSGi Gateway
- NGN@HOME services to SMH

- SMH services and standards (PT2)

- Identification and assessment attempt of 21 RTD projects relating to the “Networked Smart House, but no positive reaction from all these project managers.

Workshop-Meeting (May. 19th, 2003)

Plenary 23 participants and 7 excused

General Subjects Smart House

- Some recent German figures on digital technology impact
- DVD and HomeCinema (Multimedia) impact
- Update on (ANEC) Consumer requirements
- Results of CEN/CENELEC/ETSI Nice Conference on Accessibility and Design for All for the Smart House subject
- EU Framework Directive, re Digital (interactive) Television and Smart House
- EU legislation on Energy Efficiency of Buildings and Smart Houses
- Data protection and privacy Directive and related CEN activities

•SMH Model and standardisation

- Three-tiers Smart House Working Model
- Mobile-, PC-, or TV-centric
- ETSI standardisation of User requirements: Interoperability and Quality of Service
- ETSI standardisation [Access and Terminals \[AT\]](#), WG "[NGN @ Home](#)" [\[AT-N\]](#) , Update on Activities

Workshop-Meeting (May. 19th, 2003) ctd.

Assessing the results of the WS-SMH year

- **Assessing the** (so far obtained) **WS-SMH results**

Order Voucher, results from

- Business Plan,
- Project teams and material
- Smart House Plugfest approach (majority in favour)
- COPRAS project: harnessing FP6 projects for the Smart House field (for later assessment of possible impact on SMH)
- **Evaluation of Questionnaire Sec-28** and results (Sec-29)
 - Clear yes for the provided Smart House model
 - Clear yes to continue in subject specific Consensus forming Workshops
 - Answers present substantiated support of standardisation initiatives on
 - Smart Applications,
 - inhouse network media,
 - residential gateway

Workshop-Meeting (May. 19th, 2003) ctd.

Decisions on Furthering Smart House standardisation

Confirmation of subject importance and nomination of subject leaders, to be supported by (recruited) neutral expert(s):

1) Smart Applications:

- a) Control & Monitoring networks (D.Beck/Konnex)
- b) Multimedia Networks (S. Pattenden / TC205)

2) Inhouse Network Media (TC205/WG8: M Lacombe/Legrand; M Dirix / abitana)

3) Residential Gateway (S. Pattenden/JTC1/SC25/WG1; Mr. Meyer / Prosyst)

Workshop-Meeting (May. 19th, 2003) ctd. Decisions on Furthering Smart House standardisation

Further subjects (follow-up in other circles)

- 4) Trust, data protection and privacy (CEN report and now implementation Workshop)
- 5) Safety (in scope of CLC TC205/WG3; standard is being revised)

Termination of WS-SMH after submission of final report by Secretary

Decisions on subsequent steps and actions back into the hand of CLC TC205/WG16