

In-home Broadband PLC Communications

European Standardization initiative

Armelle DAMBLIN / CETICE

- **LEA SA (European IST Price Winner)**
 - European Leader in ADSL / VDSL splitters
(CA 2003 : 40 Millions euros)
 - Supplier of In-home Broadband PLC solutions : ADSL/PLC Gateways ,
PLC Net plugs

- **CETICE SA**
 - Mission : Assistance to SMEs in Standardization Strategy linked to
R&D projects

- **LEA and CETICE** have launched in October 2004 an European
Standardization Initiative within CENELEC , submitted to European
Commission for fundings (e-sap 2005) :
Broadband PLC Systems for Smart-house applications

This e-sap 2005 proposal is linked to

- EUREKA SMARTPLUG CONSORTIUM (LEA,LEGRAND,STmicroelectronic)
- European Commission Programm : « Broadband connexions for all citizens » (e-sap 2005)
- *OPERA (PLC research)*
- CENELEC SMART- HOUSE FORUM : Code of Practice
- ETSI/CENELEC JWG : EMC of Communication Networks

- to demonstrate that Broadband PLC is the most « solid and secure » technology for broadband home networking
- to increase the Broadband PLC deployment in the home as a complementary or alternative solution to Wi-Fi or communication cabling

- to create a CENELEC Workshop beginning 2005 :
 - Participants : LEA, LEGRAND, STMicroelectronic (Eureka Smartplug Consortium Partners)
 - Expected other partners : Sagem, France Telecom, Schneider Electric

- to issue from this CENELEC workshop (2005 – 2009 period) :
 - Reports on comparative laboratory tests on existing PLC solutions (interoperability aspects)
 - Technical Specifications covering requirements on :
 - **electrical, communication, EMC, QoS , safety aspects for PLC devices and on real operating PLC Infrastructures**
 - Guidelines on Broadband PLC Installations : Conformity /certification aspects

for more informations

- LEA Broadband PLC demonstrator
 - eric.berthaud@leacom.fr
- Broadband PLC Standardization initiative
 - Armelle Damblin : contact@cetice.com

Thanks for your attention

Armelle Damblin/ CETICE
contact@cetice.com