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ETSI in one minute

- ❖ **ICT Standards organization, based in South France**
- ❖ **Global membership (700 Members EU and overseas, 80% industry)**
- ❖ **Track record of worldwide industrial hits**
- ❖ **…enabled also by a robust IPR policy (FRAND)**
- ❖ **Global network of alliances (regional/technical)**
- ❖ **Major focus on Interoperability**
  - ➢ **CTI→ IOP engineering & testing for ETSI and other SSOs**
  - ➢ **"Classic and light", i.e. access/transport layers AND MW/appli. layers**

http://www.etsi.org

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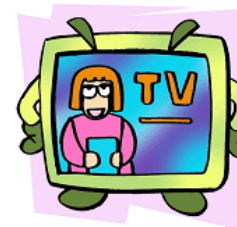
The problem: from a spaghetti logic…

Transport

| Fixed | Mobile | Fixed/ Wireless | Broadcast | Satellite |

Access

To a lasagna model

Increasing demand/ increasing stakes

Transports

Education

Banking

Medical

Home networks
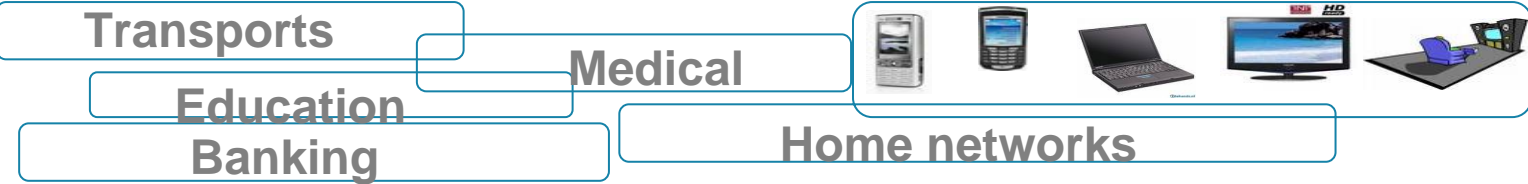
Middleware/web services

IP pipe

Fixed

Mobile

Fixed/ Wireless

Broadcast

Satellite
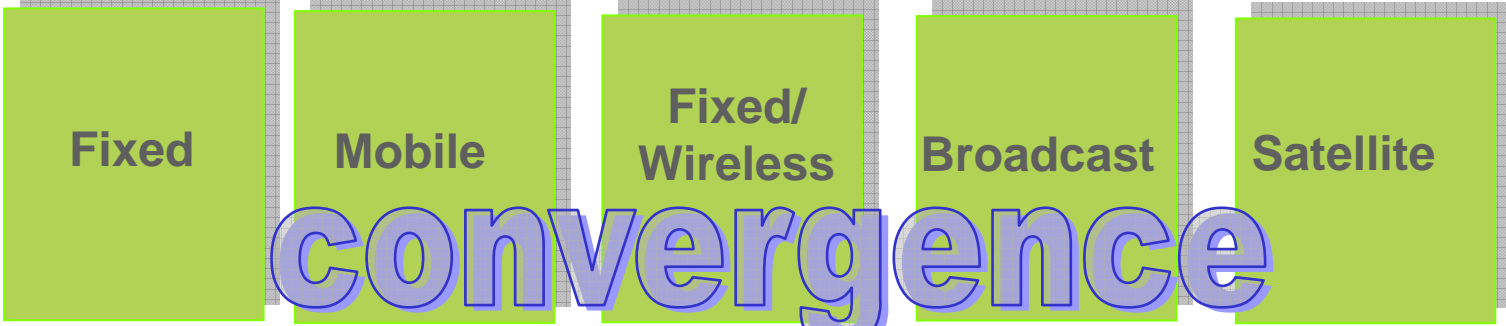
convergence

Standards-wise, one size does not fit all

Transports

Health

Education

Banking

Home networks

Middleware / hardware
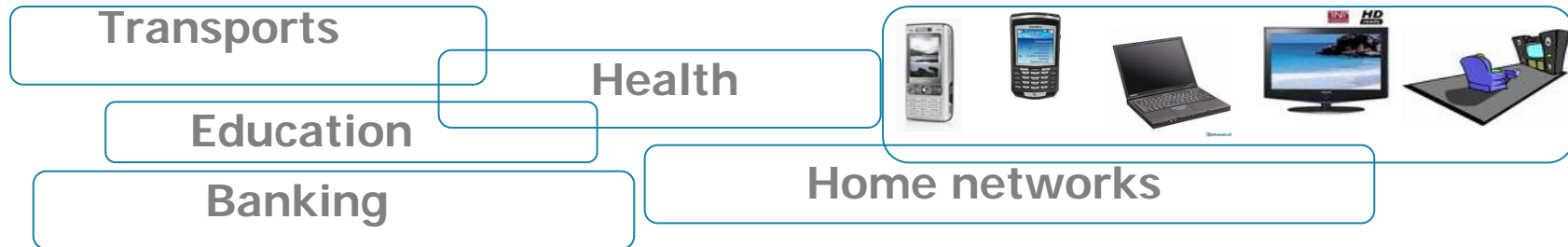
"Soft" Standardization

IP Pipe

Fixed

Mobile

Wireless

Broadcast

Satellite

«Hard» standardization

Industry agenda

- **Today, the bulk of ICT infrastructure development are software related**

- **New technology / functionality introduced through software upgrades (incl. OTA)**
- **Hit market FAST → Standardization/IOP engineered ex-post**

- **Fragmentation of the standards production market: IOP engineering of many components from heterogeneous origins**

- **Standardization and IP strategies**
  - **fct of R&D costs**
  - **Fct of market cycles**

- **Software component & IOP dependencies**
  - **Vertical dependency on their deployment platform**
  - **Horizontal dependencies on multiple client/server/peer systems and services in the infrastructure**

- **Industry needs « cathedrals <u>AND</u> bazaars »**

ETSI diversifies its portfolio of services to match Industry agenda

➢ **Whilst maintaining position on lower layers standards, ETSI expands its Interoperability savoir-faire (« classic and light »)**
- ✓ **Launch of the CTI (Centre for Testing and IOP)**
    - ▪ **Test specifications (conformance and validation techniques)**
    - ▪ **Interop testing (Plugtests^{TM})**
- ✓ **Creation of ISG (a fast track process)**
- ✓ **Business established (e.g. GCF) and growing (e.g. Wimax forum)**

➢ **Think in terms of standards and IOP profiles <u>enabling the creation of profitable industrial ecosystems</u>**

➢ **No over specification, nobody can/will afford it**
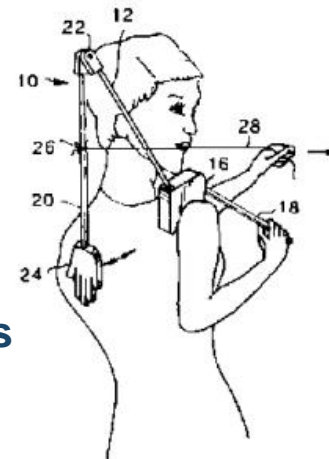
Pat On The Back Apparatus
Patent : US4,608,967

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ETSI uses open source
"dealing with life on life's terms"

❑ **Source code available in many ETSI specifications**

❑ **In many cases, code IS the specification**

➢ **Codecs for GSM, UMTS**

➢ **Test specifications (TTCN-2, TTCN-3 code as part of the specification)**

➢ **OSA/Parlay specifications, published by ETSI & 3GPP**

…but not open source licensing

❑ **At least, not yet**

- ➢ **Right to access is provided**
- ➢ **Right to use governed by IPRs**
- ➢ **Right to modify?...what about conformance?**

❑ **GSM & UMTS codecs have IPRs associated with them**

- ➢ **Like any other specification**

❑ **TTCN test specs usually developed in-house by ETSI**

- ➢ **ETSI doesn't claim IPRs on test specifications**
- ➢ **May be IPR involved in implementing test tool (radio interfaces, etc.)**

❑ **OSA/Parlay code:**

- ➢ **IPR claims exist**
- ➢ **Some companies have declared royalty-free, or don't pursue**

Thank you for your attention
Questions, comments, opinions welcome

"You'd like to get a second opinion?
I'll give you a second opinion."

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