

**Overview of recent studies
Outline for 2008 and beyond**

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Recent studies

- ▶ IMS evolution (P1751, P1656)
- ▶ Future Internet (P1657)
- ▶ Converged Service Delivery (P1652)
- ▶ Different Services
 - Gaming (P1752, P1655)
 - M-Ads (P1654)
 - M2M (P1653)
 - E-Health (P1753)
- ▶ Fibre in Access (P1651)
- ▶ Functional separation (P1754)

Past studies

NGN issues	1998-2005
Smart devices, Always-on, Information Overload	1999
Applications for the SIM: PKI, e-voting, multi-application smart cards	1999-2003
Open source generally	2000
Specifically for OSS	2004
4G	2001
Biosciences and ICT	2001
Customer loyalty, user communities	2001-2002

Main goals

- ▶ Each study must have a well-defined goal, and which in general should be measurable. The main goal of each study must be very specific, defined in advance as the rationale for doing the study and could for example be to:
 - Satisfy a business information need on your organisation
 - Provide a technical solution
 - Describe a service opportunity
 - Define a new project in FP7, or CELTIC
 - Develop a position statement for regulators, or EU
 - Develop a joint submission to a standardisation organisation
 - Define an independent joint undertaking within the telecom community

Outline for 2008 and beyond

- ▶ Network issues
- ▶ Services and Content
- ▶ Business models
- ▶ Political, societal and environmental drivers and issues
- ▶ Socio-economic and user dimension
- ▶ New opportunities

Network issues

- ▶ Organic or architectural approach
- ▶ Simple 3-tier model, solving
 - Addressing
 - Routing
 - Identity
- ▶ Future Service and Network Management
 - FCAPS ...
 - Monitoring ...

Service and Content

- ▶ Services and applications
 - QoS aware service composition and orchestration
 - Verification of SLAs
 - Network agnostic service provisioning
- ▶ Media and content
 - Interactive media
 - “Symmetric” and personalised content flows
- ▶ User Driven Innovation
 - How to involve the end-user in the innovation loop

Business models

- ▶ Charge for service at the edge
- ▶ Business models in P2P
- ▶ Utility computing
- ▶ Customer loyalty
- ▶ Simplicity of charging/billing

Political, societal and environmental drivers and issues

- ▶ Regulation
 - is and will be on the agenda of the subscribers to the study programme for some time to come
- ▶ Network neutrality
- ▶ Critical infrastructure
 - Interdependencies
- ▶ Reduction of greenhouse emissions
 - Support of ICT in the dematerialization of the economy
 - Reduce the energy of the equipment supporting electronic communications

Socio-economic and user dimension

- ▶ E-Inclusion in all its aspects
 - Social
 - Elderly
 - ...
- ▶ Health, education, government
- ▶ Simple intuitive user interfaces

New opportunities – Other issues

- ▶ Intelligent ambient environment
- ▶ Car communication services
- ▶ Near field communications
- ▶ Smart-card and SIM applications
- ▶ Test networks and test suites
- ▶ Standards
 - Too many ... too many options ...
 - “screen” and “flash out”