Title: “Application and transport network simplicity”

Abstract

Application and transport network simplicity

1. Understanding the drivers behind delivering Future Generation networks

Who will be the user of Future Generation networks?

Clients with primarily fixed assets

Clients with primarily mobile assets

Trend 1- Accelerating Broadband Adoption

Trend 2- Increasing Broadband Penetration

Trend 3- End Users - Seamless Communications

With seamless blending across wireline and wireless, a user will be not independent from

the applications and transport network!

2. The Challenge:

Support for Quality of Service, security, and accountability, the high operational complexity,

the lack of adaptability to deal with the exponential growth of mobile terminals and with network

mobility, the difficulties to integrate and profit from new technologies.

These deficiencies call for a radical new design of future networks.

Evolving Access Solutions with the Client in Mind…

Enabling and Delivering a New Generation of Blended IPTV/IP Multimedia Applications with IMS

3. Strategies for achieving Convergence for applications and transport devices

3.1 What is the IP Multi-media Subsystem (IMS)?

IMS Architecture – Providing Value Over IP – Invest in Application Once

IMS: Next Generation Network Model Industry Standard Services Architecture

3.2 Network Areas future

Unique interface to the user - Ethernet via different technologies

The access area

The aggregation area

The core area