International Telecommunication Union

Next Generation Telecommunications.

Klaus Mense.

VP Telecommunications Technology and Platforms Strategy
Deutsche Telekom AG.

CCITT ITU-T
50 YEARS
1956 2006

DT in an Nutshell.

Dedicated units with focus on specific markets.

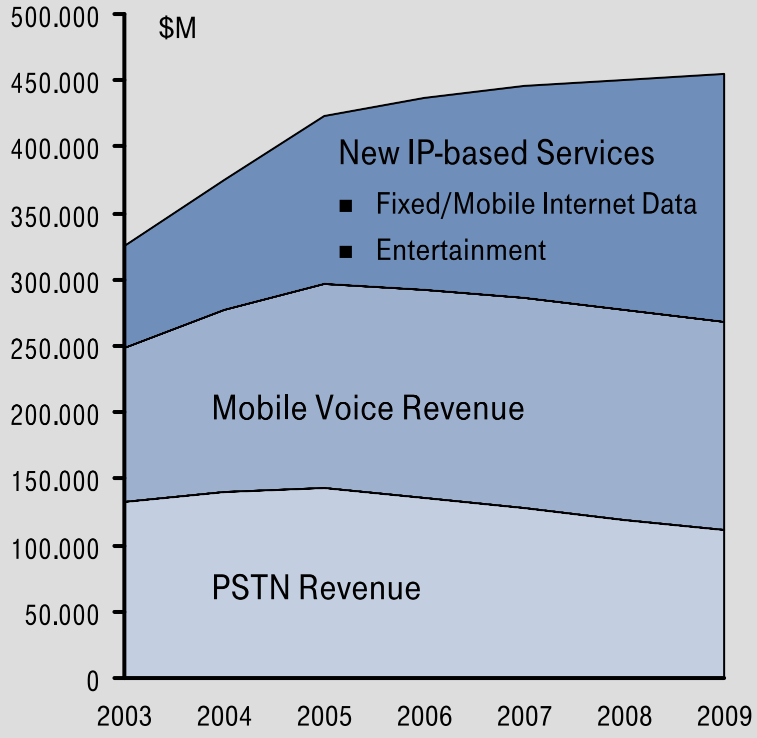
Deutsche Telekom

	Broadband/ Fixed Network	Business Customers	Mobile Communications
Unit	Broadband/ Fixed Network	Business Customers	Mobile Communications
Brand	T-Com, T-Online	T-Systems Business Services, T-Systems Enterprise Services	T-Mobile

CCITT ITU-T
50 YEARS
1956 2006

The Carrier Service Provider Market Development.

Saturation of traditional service markets, growth in new markets.



Carriers' Market Challenges

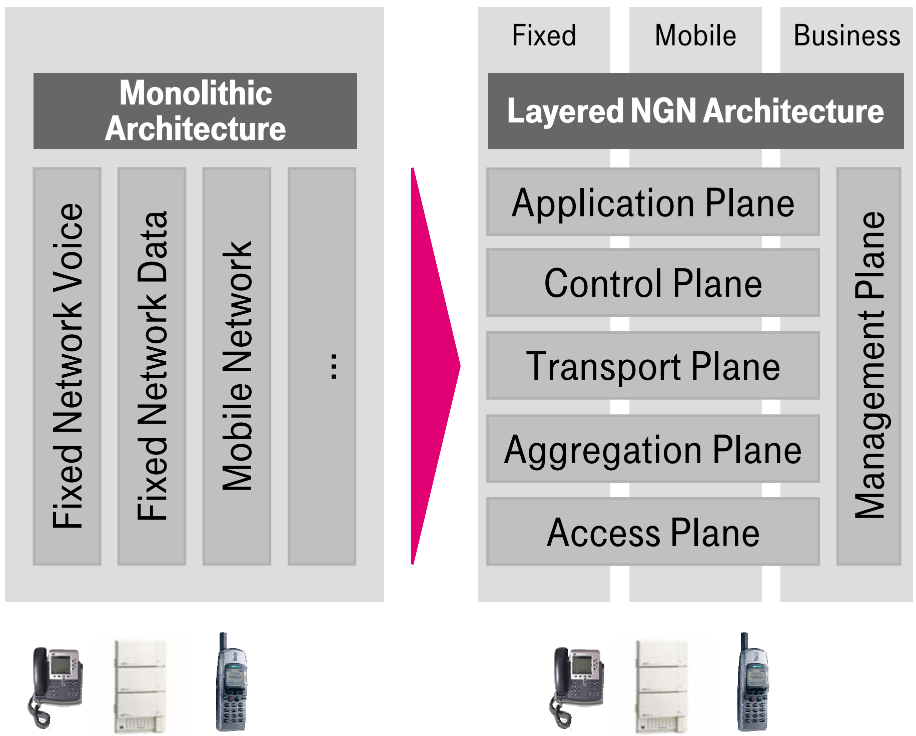
- The fixed voice market is expected to decline 22% between 2005 and 2009
- The mobile voice market is stagnating
- Margins in fixed and mobile markets are increasingly eroding
- The new IP based services in fixed and mobile are the key future areas of market development with growth projections of about 48% for the same period

Source: Gartner Group Forecast 2005 Data for Western Europe

CCITT ITU-T 50 YEARS 1956 2006

All IP.

Today's monolithic platforms will be replaced by layered IP based production infrastructures to produce the new services.



NGN Evolution

- Today's service infrastructure dominated by monolithic legacy platforms
- Future IP Next Generation Network with layered architecture based on open interfaces
- Converging fixed/mobile NGN standards enables converged production infrastructure (e.g. IMS, IP/MPLS-Transport)
- Existing voice services increasingly migrated to NGN production

Conclusions and Recommendations.

Technical and business issues still have to be resolved to achieve a market success for new IP-based services.

Conclusions and Recommendations

I. Time to market for the new NGN based services is critical for Carriers to compensate the declining legacy service markets. **Short time to market for globally agreed NGN standards is a prerequisite for an effective and lasting NGN production infrastructure**

II. Fixed / mobile **NGN standards convergence** is a prerequisite for an effective converged production infrastructure. Equipment Vendors will be enabled to streamline their portfolio

III. New NGN interconnection business models including QoS and security have to be developed to enable infrastructure based carriers' to be compensated for the usage of their infrastructures

ITU-T to play a key global role in close cooperation with the other standardization bodies