



Intro to Next Generation Network

NGN

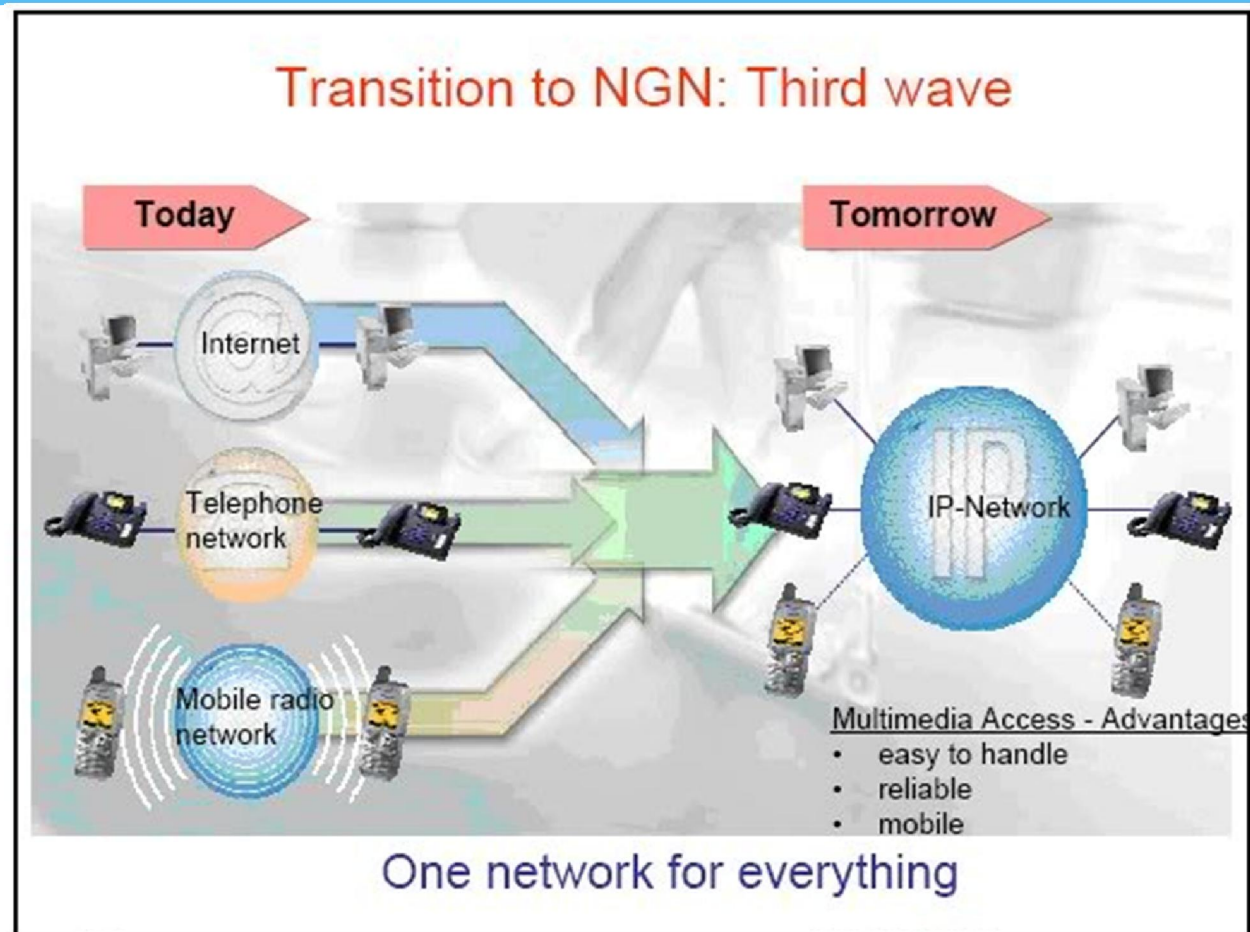
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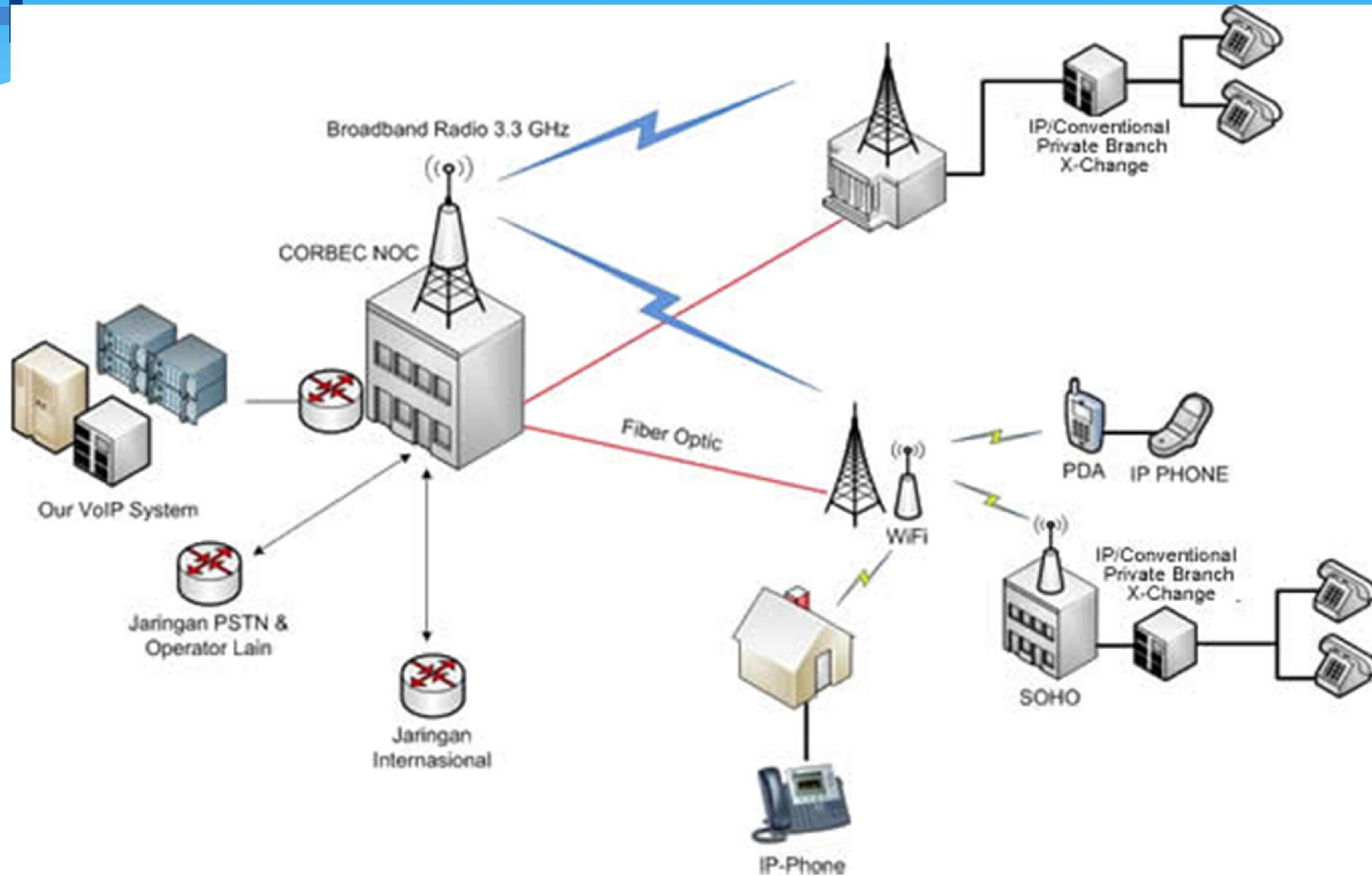
2013

PENS

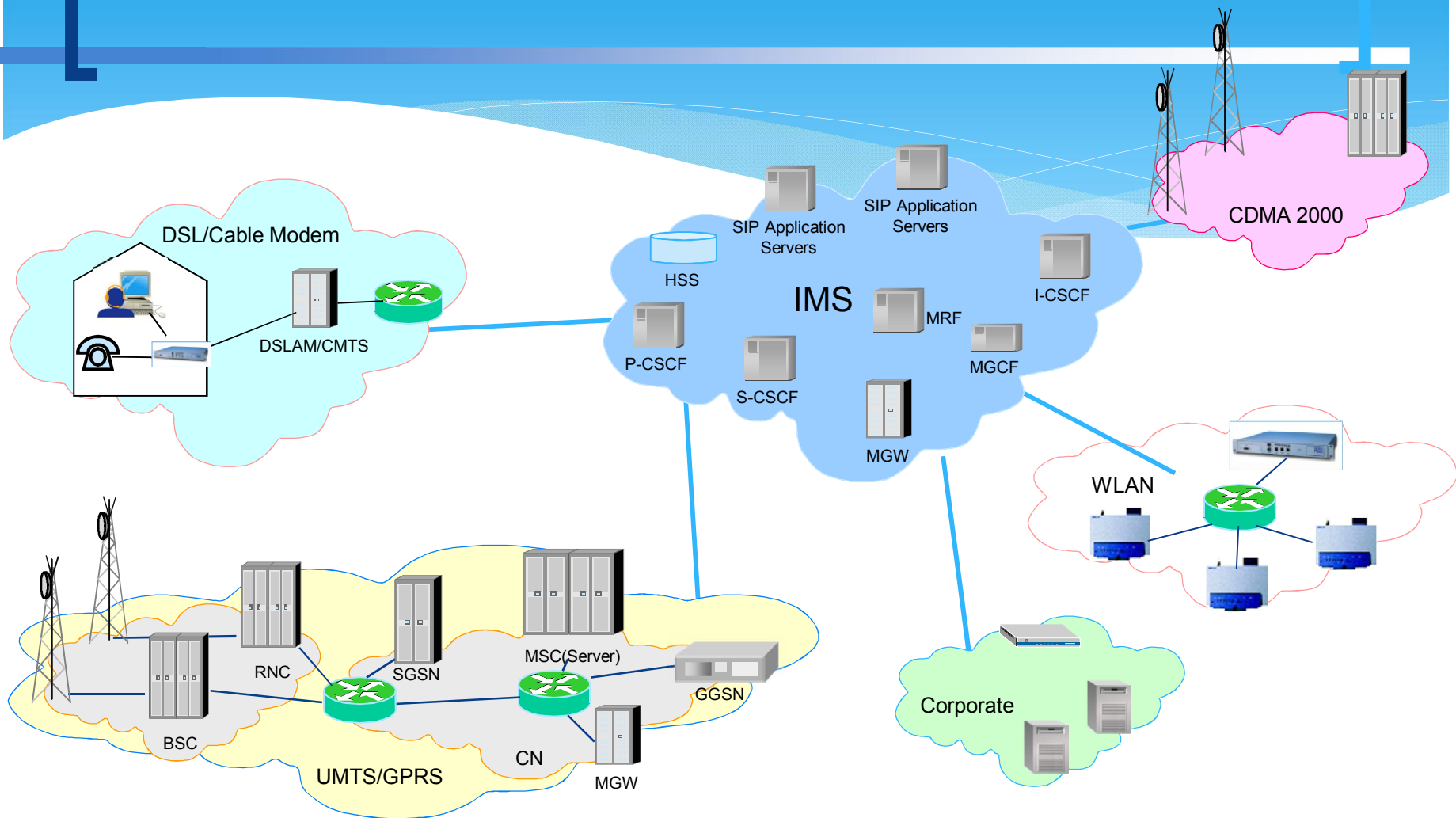
NGN Transition



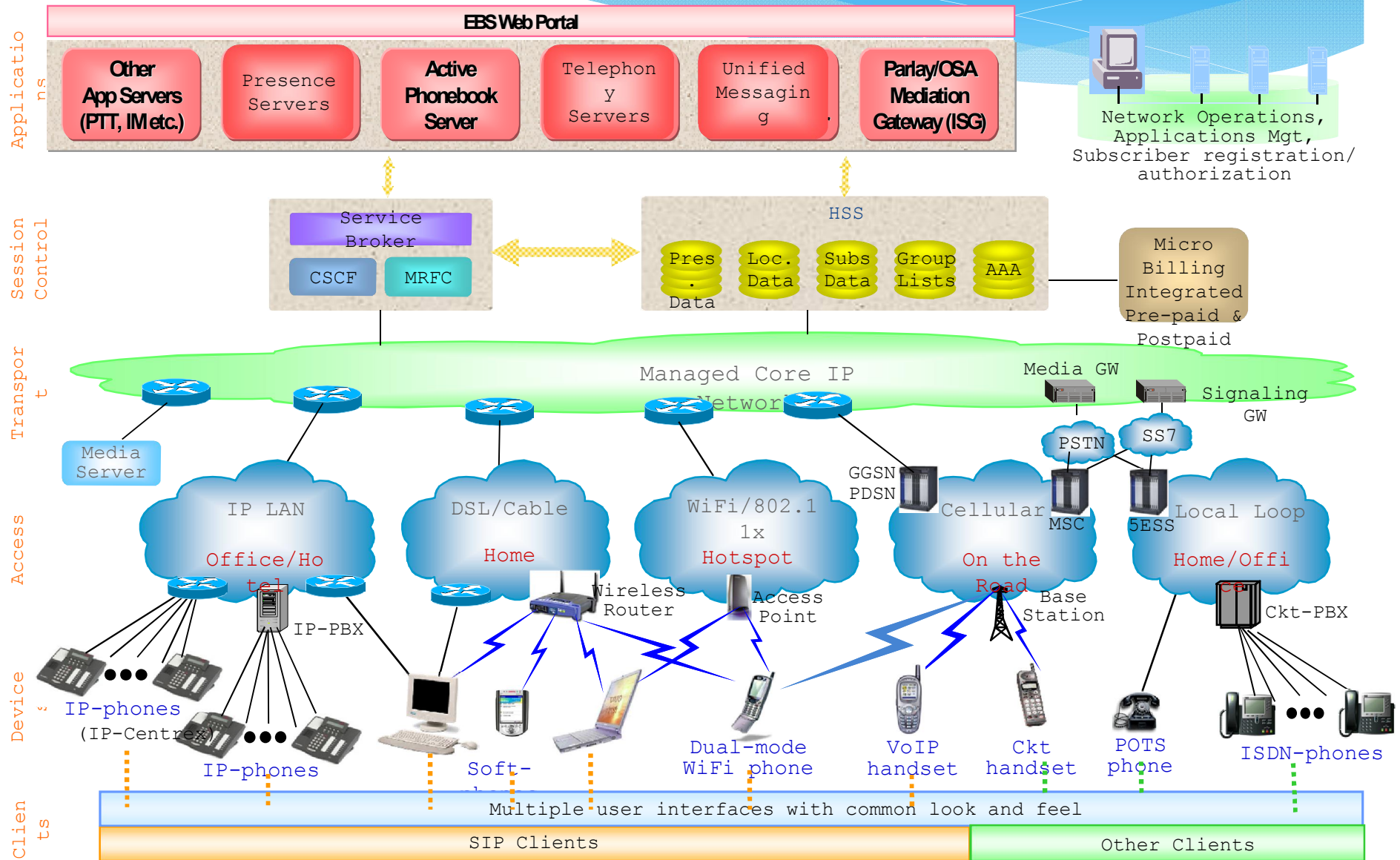
NGN Architecture



IMS Access Network Independence

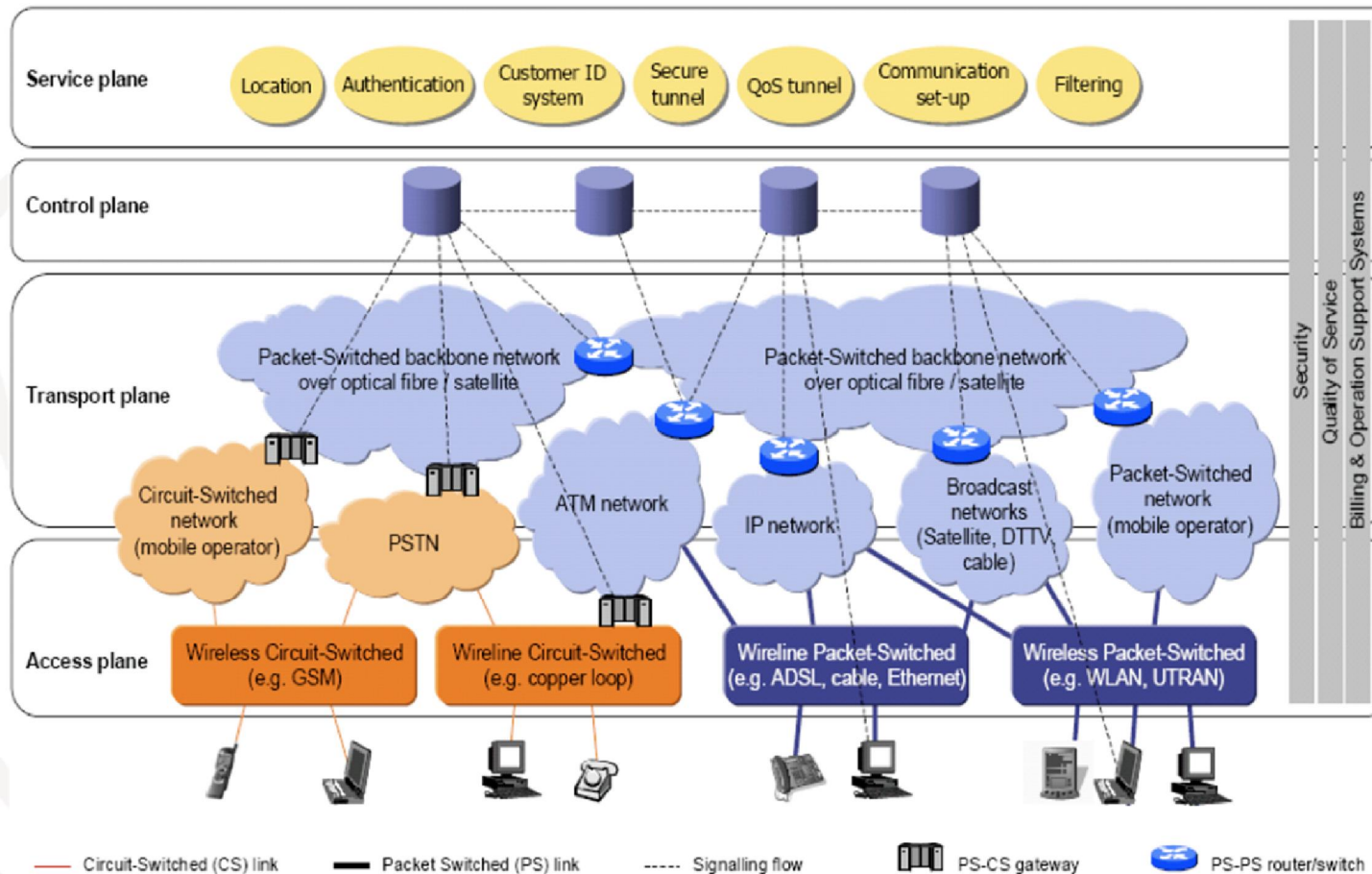


IMS Converged Communications Services Vision

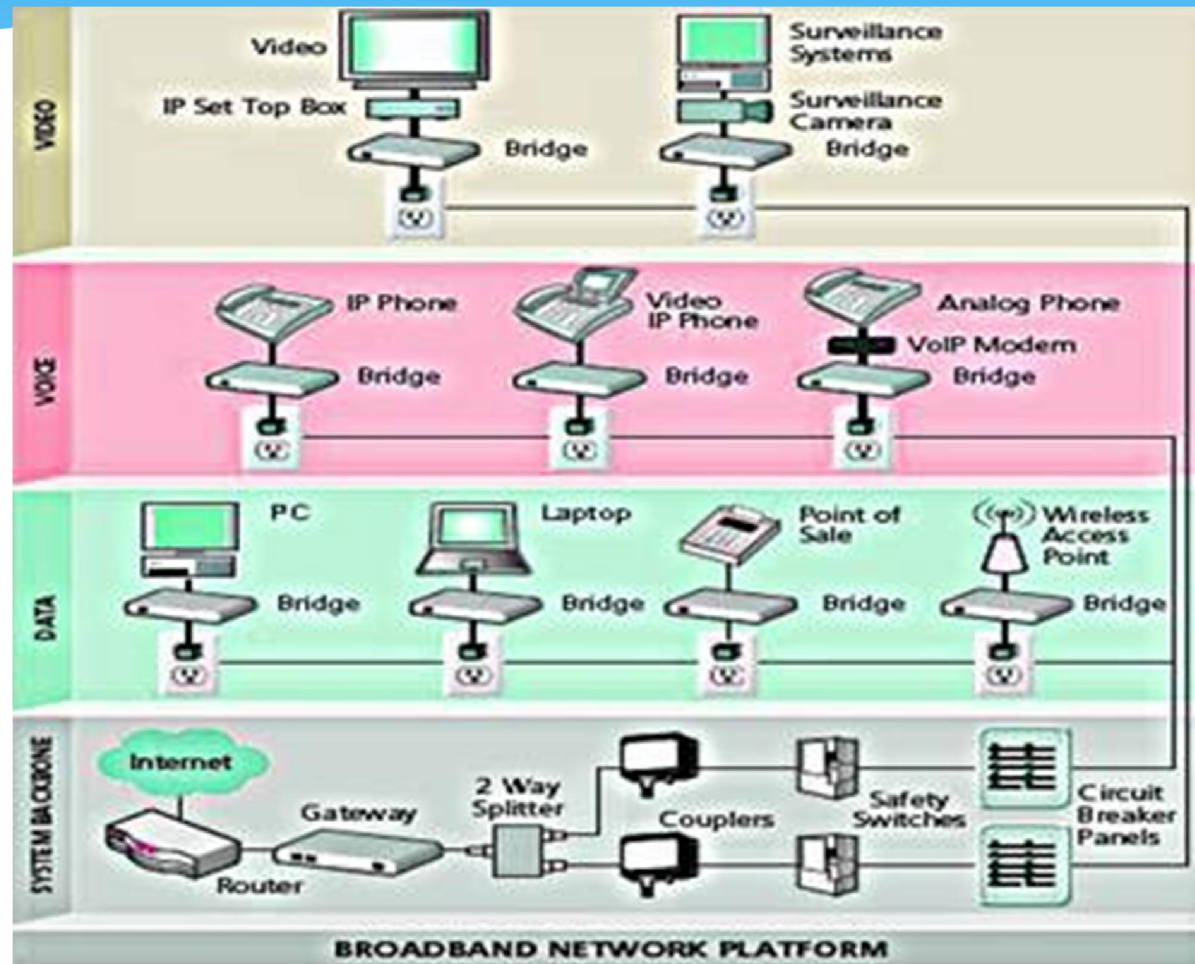


Kondisi Jaringan Ke Depan

Practical NGN architecture



Broadband Network



Silabus

1. Pengenalan materi
2. Video streaming dgn HTML5
3. IPv6 pada Cisco Router
4. Dual Stack IPv4 IPv6
5. Tunneling IPv6 over IPv4
6. VPN pada Cisco Router
7. Analisa QoS pada VPN
8. WAN Network

9. MPLS pada Cisco Router
10. Analisa QoS pada MPLS Cisco
11. Instalasi Cloud Server
12. Aplikasi berbasis Cloud Server
13. Instalasi NAS (Network Attached Storage)
14. Integrasi NAS dengan Cloud Server
15. Review Materi
16. Post Test

Tata Tertib

- Datang Tepat waktu – toleransi keterlambatan 15 menit dari pelajaran dimulai.
- Harus membawa buku petunjuk praktikum (hardcopy)
- Mengumpulkan Laporan Pendahuluan sebelum praktikum.
- Mengumpulkan Laporan Resmi.
- Pakaian rapi dan memakai jas lab.
- Ketidakhadiran harus ada ijin tertulis dan tidak boleh TA.
- Menjaga kebersihan dan kerapian Lab.
- Komputer harus dimatikan setelah kuliah berakhir.

Laporan Resmi

- * Halaman Judul
- * Tujuan
- * Dasar Teori
- * Peralatan
- * Langkah-langkah percobaan
- * Tugas Pendahuluan
- * Analisa Data
- * Kesimpulan
- * Laporan Sementara
- * Tugas laporan resmi

Penilaian

- * Laporan Praktikum : 40 %
- * Tugas : 20 %
- * Post Test : 40 %

Referensi

- * Website : <http://lecturer.eepis-its.edu/~zenhadi/kuliah>
- * Burget, R dan Komosny, D (2009), *Realtime control protocol and its improvements for Internet Protocol Television*, Department of Telecommunications, Faculty of Electrical Engineering and Communication UT Brno.
http://www.dinesgroup.org/projects/images/pdf_files/rtcp_improvements_iptv.pdf
- * Almughales, A.A dan Alsaih, A.M. 2010. *Next Generation Network Design, Dimensioning & Services Innovation*. IJCSNS International Journal of Computer Science and Network Security. VOL.10 No.6. Juni 2010
- * Agus, W.S et. al. 2010. *Analisa Quality of Service (QoS) dari Layanan Video Streaming Pada Jaringan IP Multimedia Subsystem (IMS)*. Seminar Nasional Sistem dan Informatika 2007. Bali. 16 November 2007