

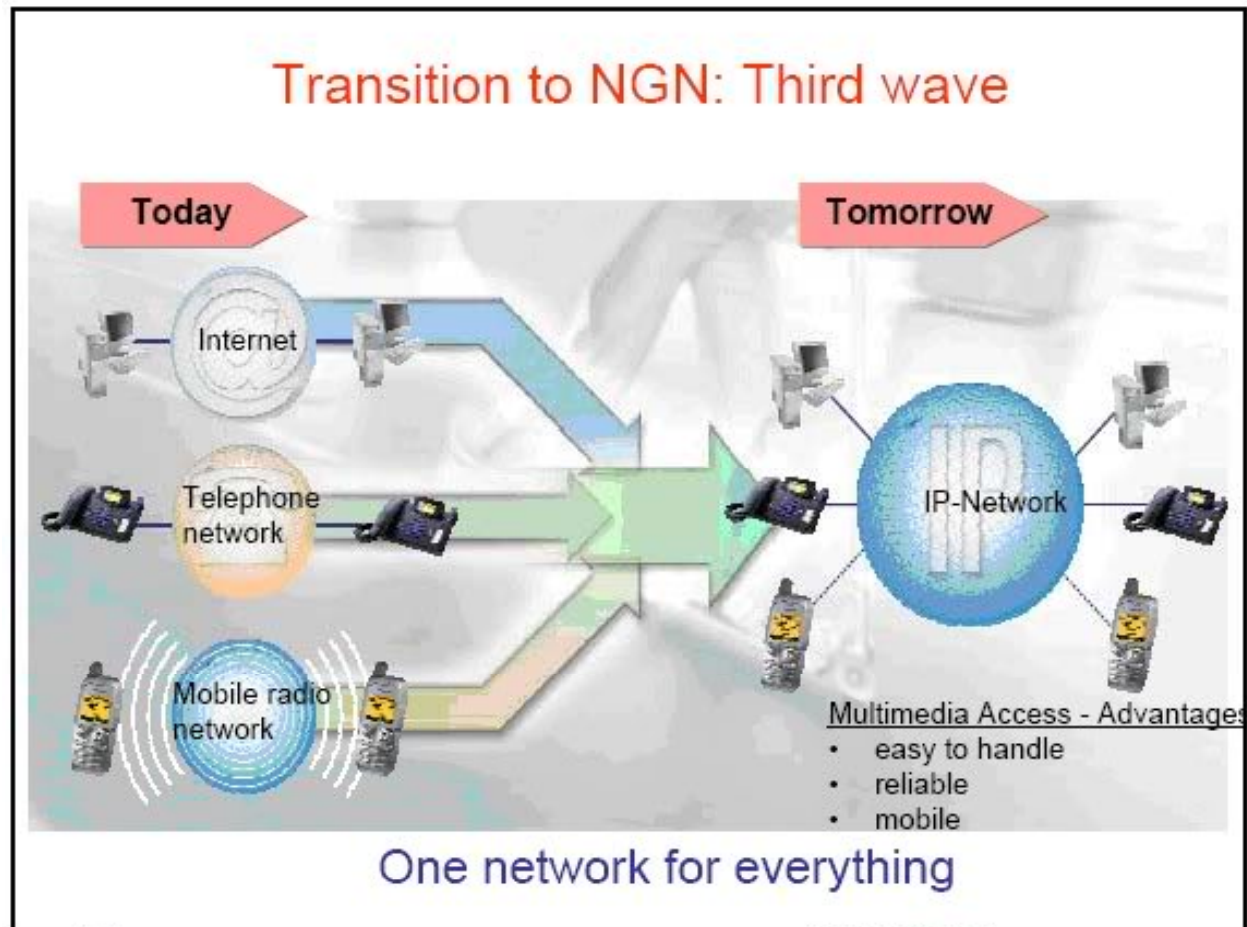
Intro to Next Generation Network

NGN

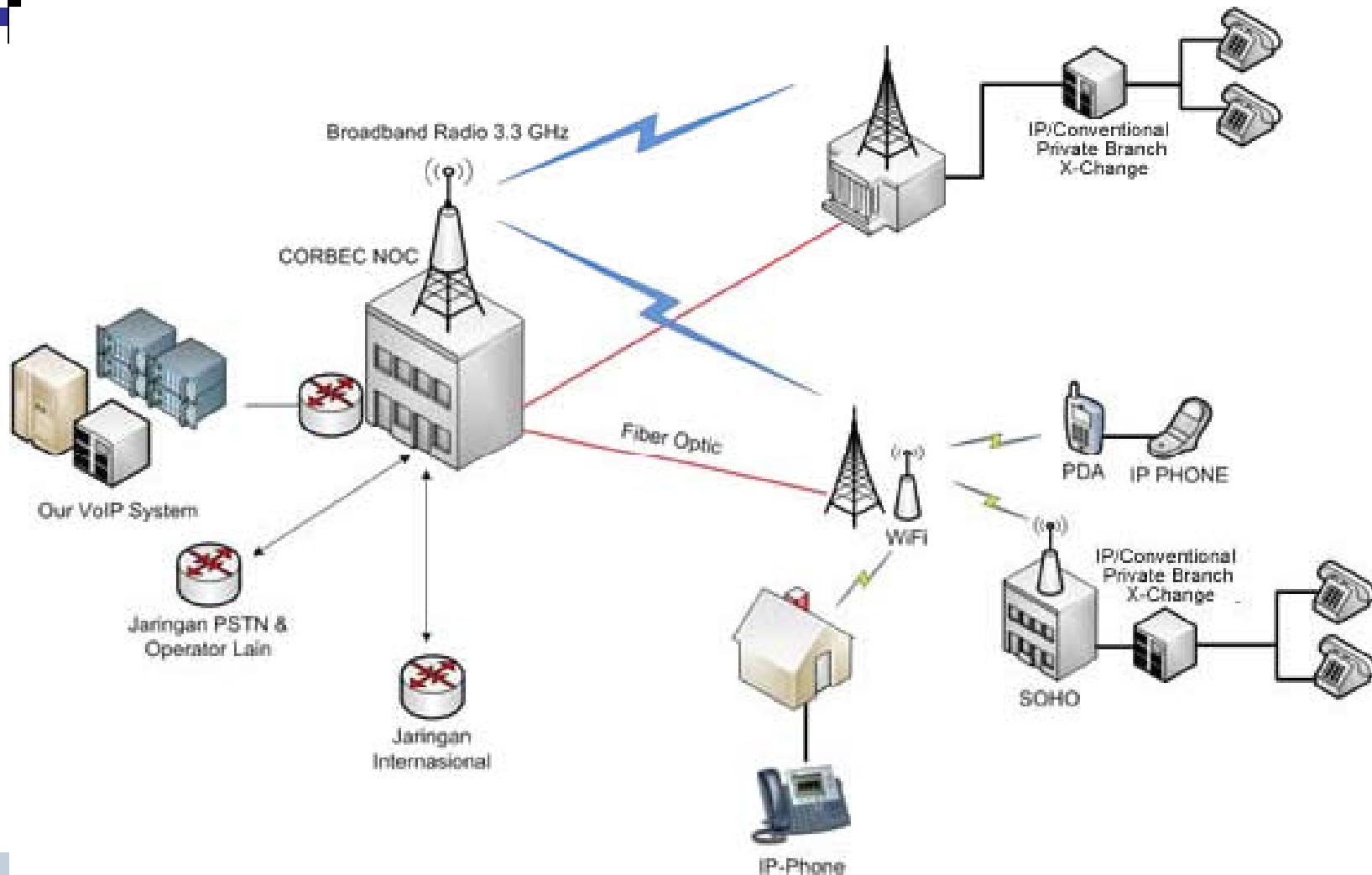
Politeknik Elektronika Negeri Surabaya

2012

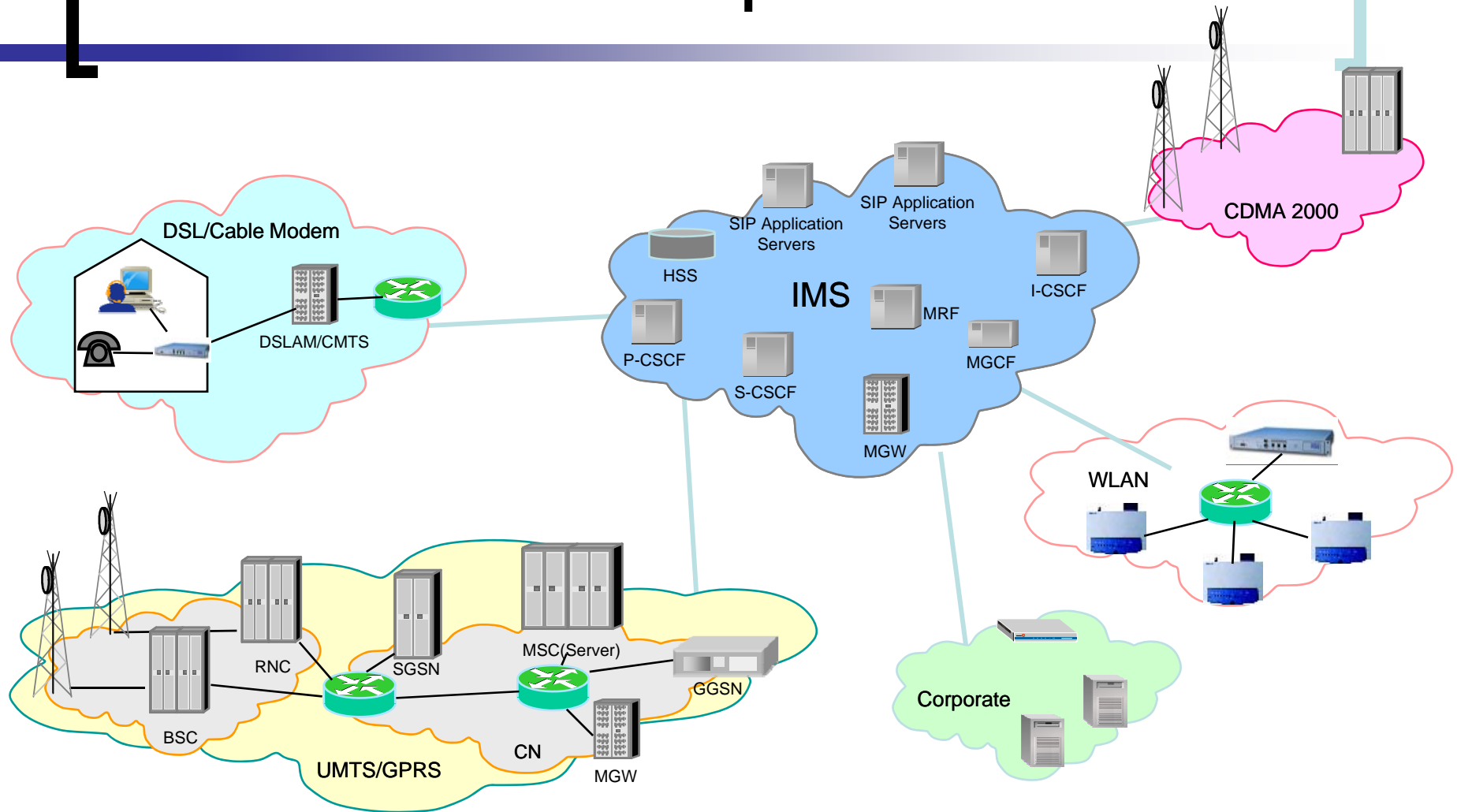
NGN Transition



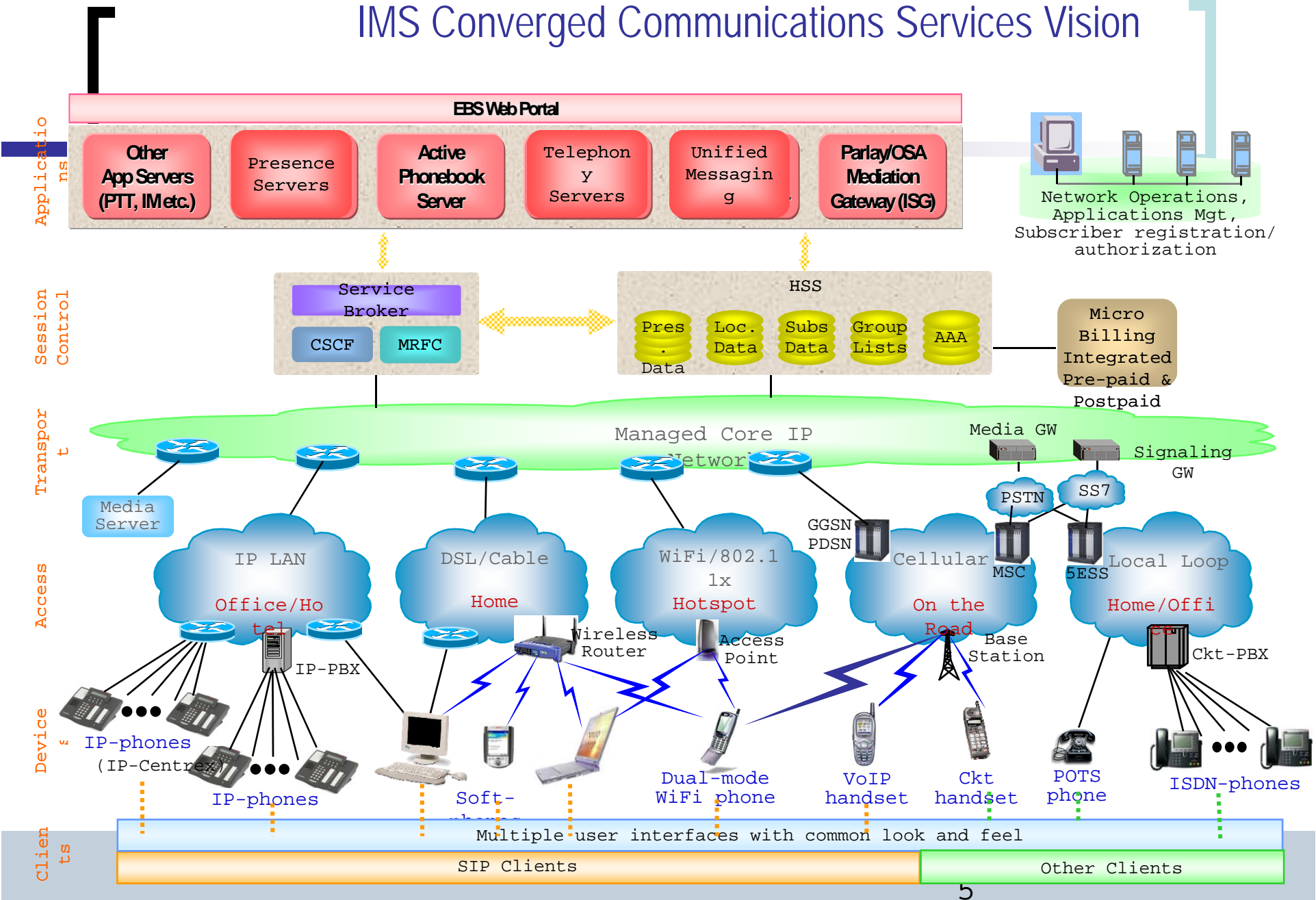
NGN Architecture



Independence

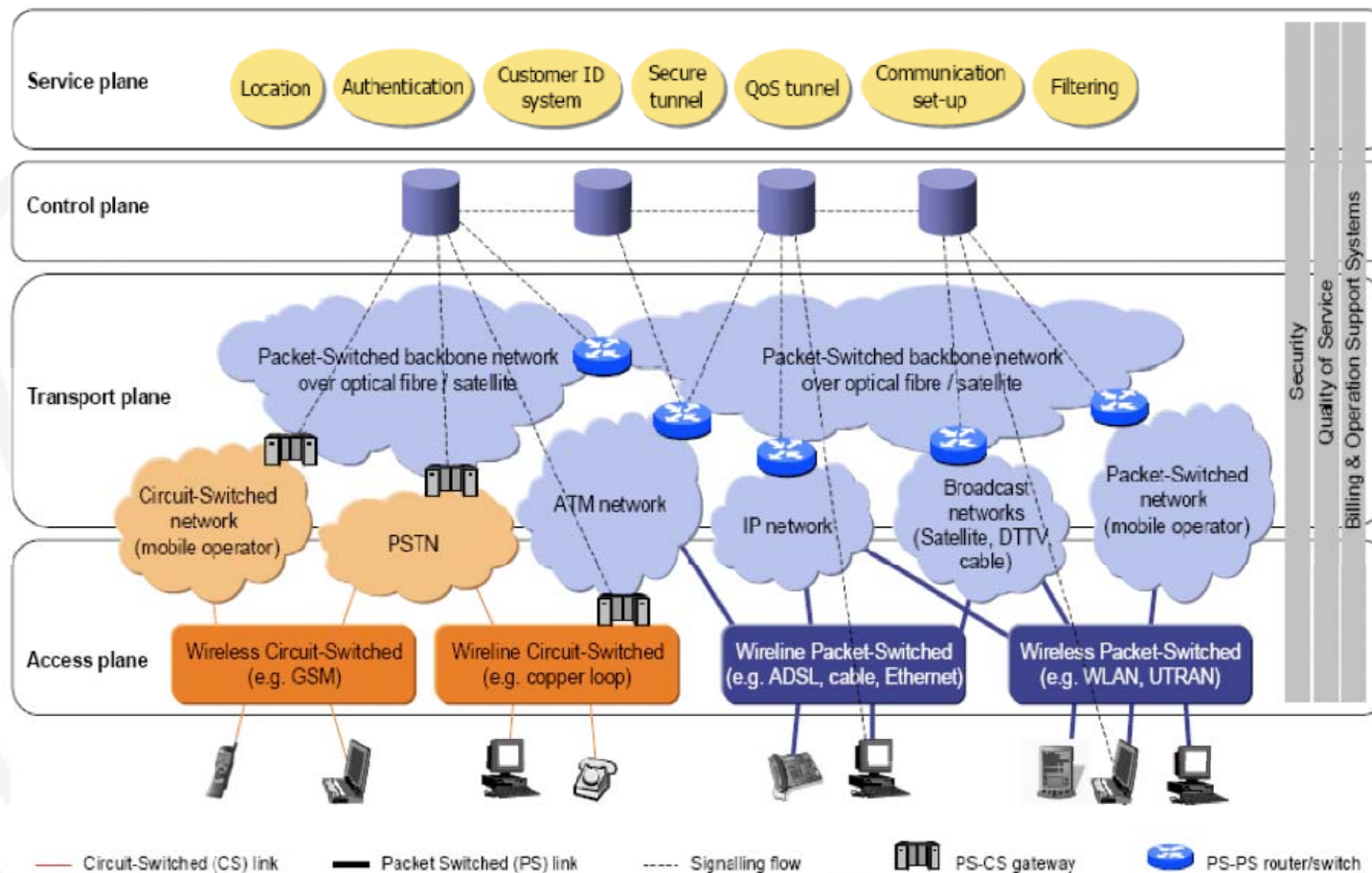


IMS Converged Communications Services Vision

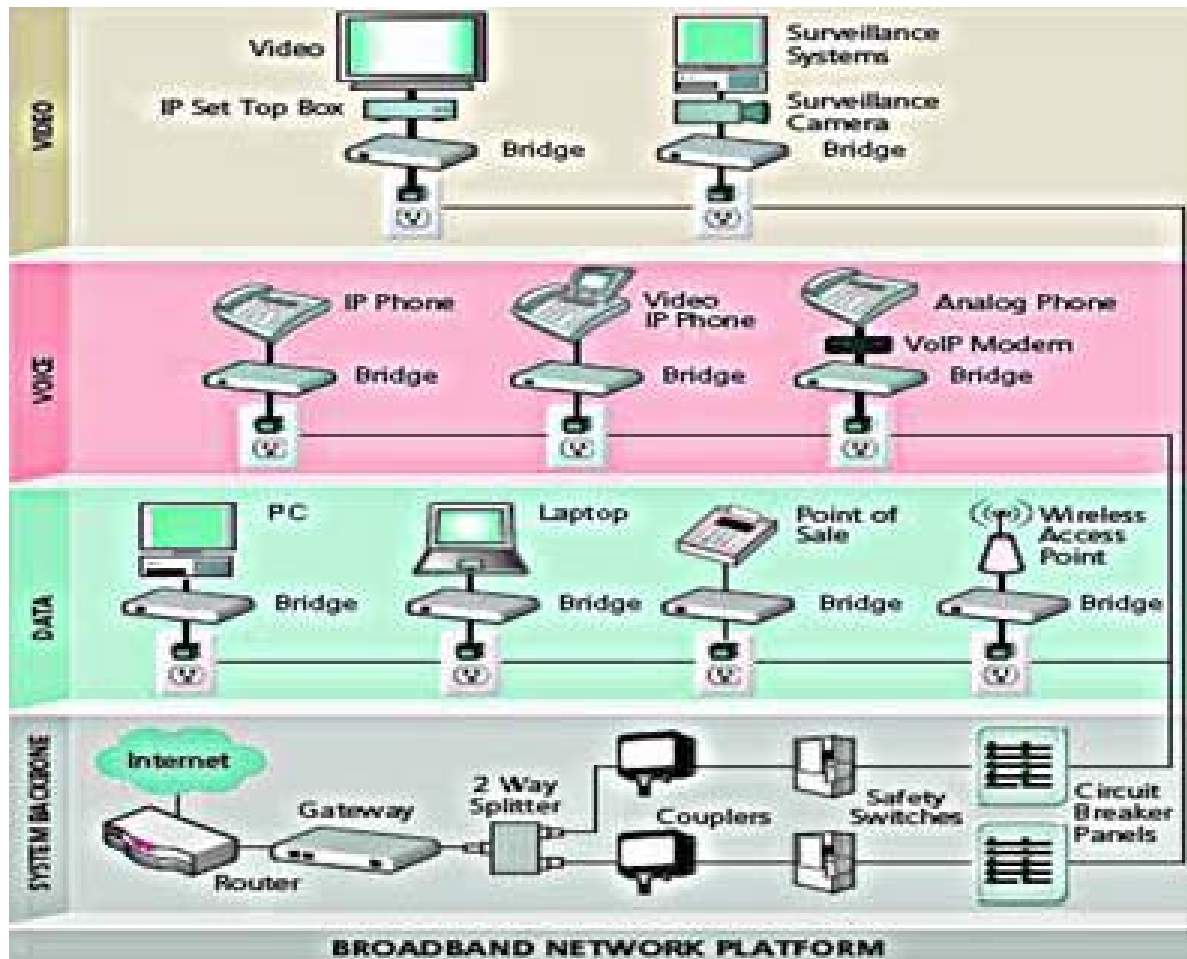


Kondisi Jaringan Ke Depan

Practical NGN architecture



Broadband Network



Silabus

1. Pengenalan materi
2. Aplikasi wireshark IP
3. Aplikasi wireshark TCP&UDP
4. Video streaming dgn HTML5
5. Wireshark pada IPv6
6. IPv6 di Cisco Router (ripng)
7. IPv6 di Cisco Router (ospfng)
8. VPN di Cisco Router

9. Cloud Computing 1 (Virtual Server dgn VMWare ESX)
10. Cloud Computing 2
11. Parallel Processing 1 (MapReduce)
12. Parallel Processing 2
13. NS 2 (Mobile IP)
14. NS 2 (QoS pada Mobile IP)
15. Latihan-latihan
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

- Barget, 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_ip_tv.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