Cellular/PCS Introduction

ITS 220

Cellular/PCS Structure

Mobile BTS BSC MTSO PSTN

Data Bases

Radio Link

Bearer Trunk

Signaling Trunk

International Structure

ITU ITU-T ITU-R

Recommendations

Member Countries

ITU-R

- Terrestrial Services
  - Procedures and registration of terrestrial national frequency assignments
- Space Services
  - Procedures and Registration of frequency assignment and allocation of orbital slots
- Regional Radio Conferences
- World Radios Conferences
  - about every 4 years
US Regulatory Structure

- Dual authority
  - Federal Government Entities
    - NTIA Certification
    - Code of Federal Regulations Title 47, parts 300-399
  - Everyone else
    - FCC License
      - Code of Federal Regulations Title 47, parts 0-19
    - Transmitter-specific licenses
    - "Blanket" functional licenses, aka "unlicensed"