United States Broadband Policy: From Sea to Shining Sea

FCC Commissioner
Deborah Taylor Tate

Deregulation

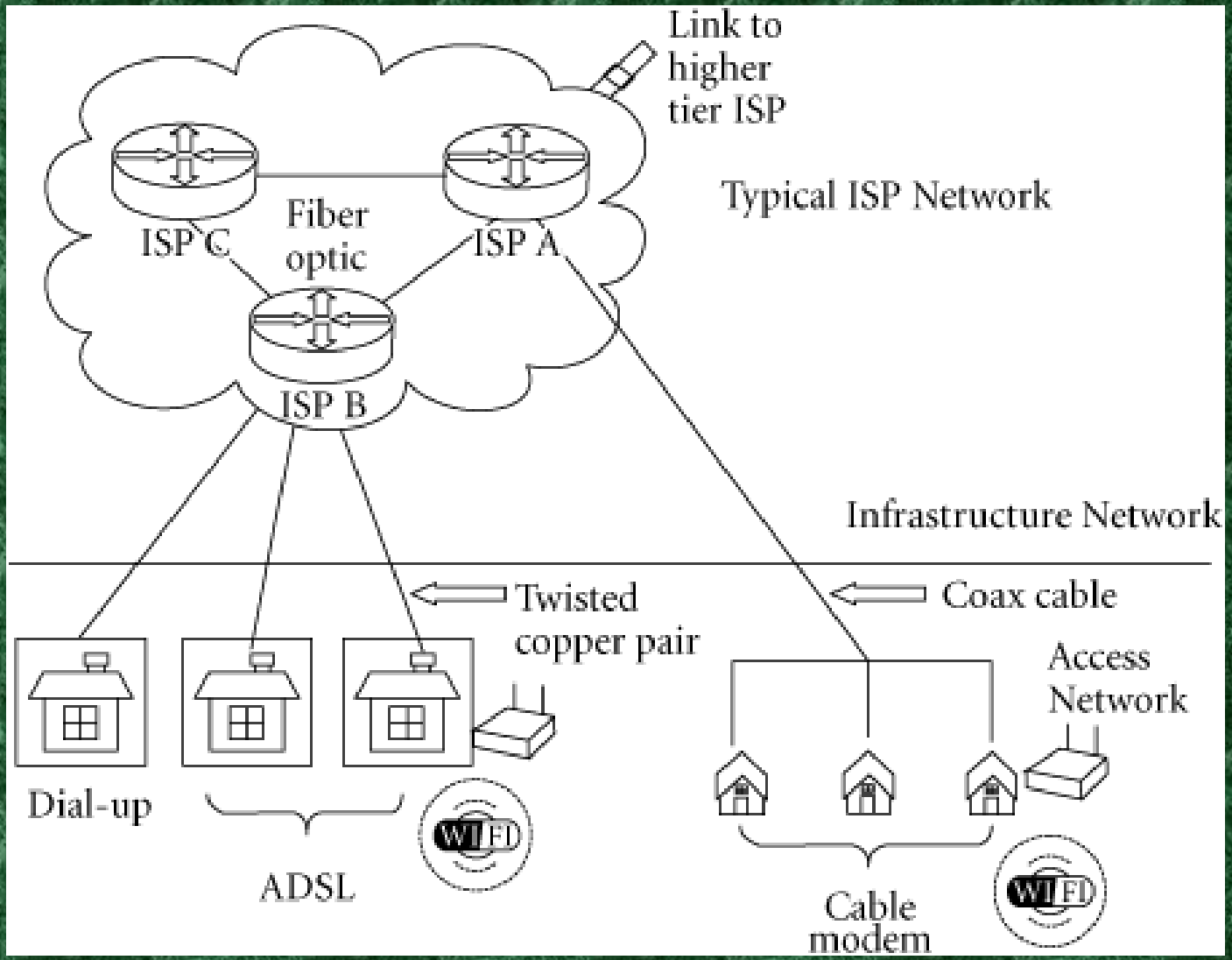
- "The [FCC] is in a far better position to address these questions than we are. Nothing in the Communications Act or the Administrative Procedure Act makes unlawful the [FCC's] use of its expert policy judgment to resolve these difficult questions"

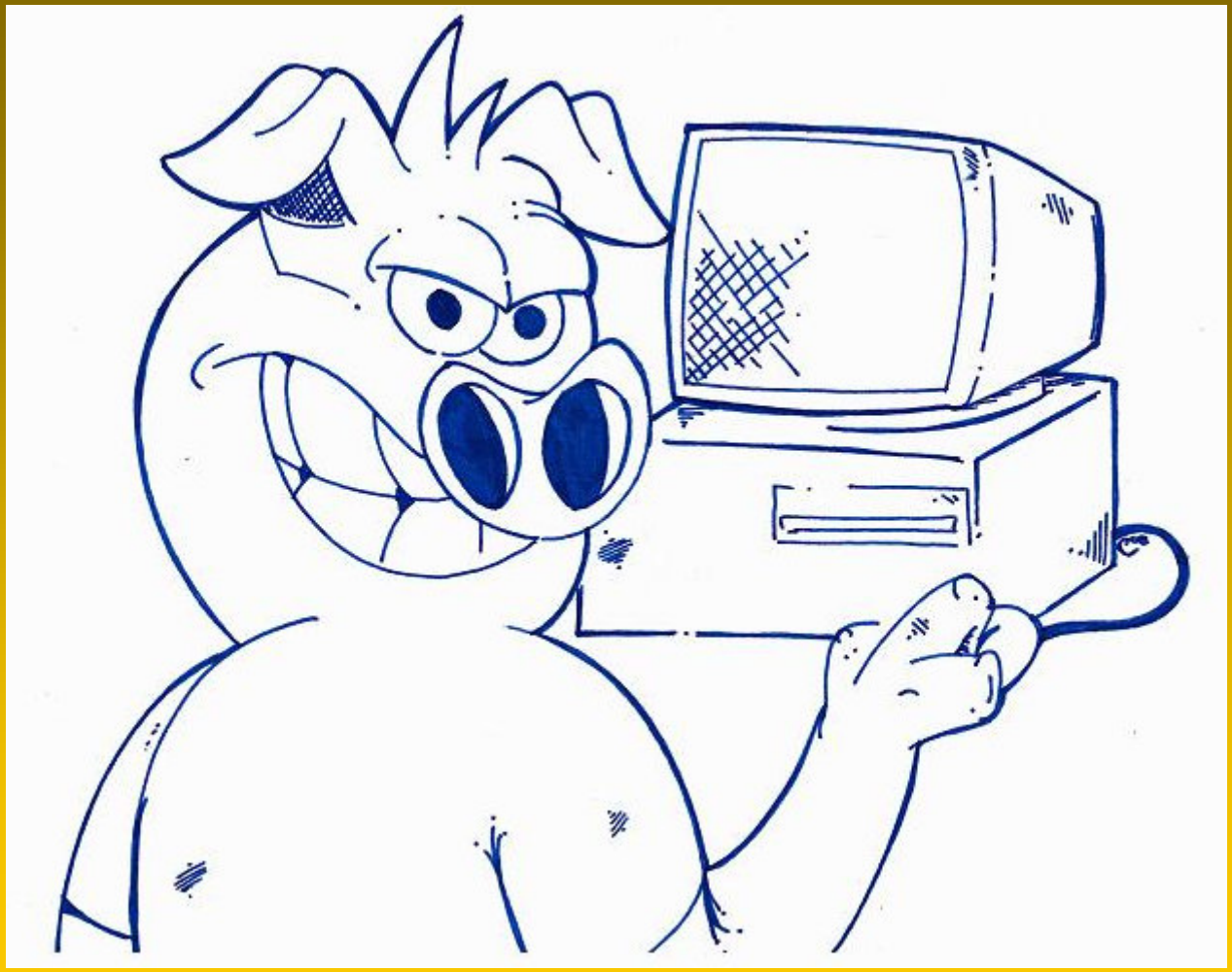
Investment

- Worldwide Telecom revenues estimated at $ 3.5 trillion in 2007, and is expected to grow 10% annually.
- $225 Billion in investment in 2007.
- 24.4% increase in internet access revenue.
- 251.5 million 3G cellphone connections worldwide.
- $1.3 trillion in wireless revenue projected in 2011.

Four Principles

1. Consumers are entitled to access the lawful Internet content of their choice;
2. Consumers are entitled to run applications and services of their choice, subject to the needs of law enforcement;
3. Consumers are entitled to connect their choice of legal devices that do not harm the network;
4. Consumers are entitled to competition among network providers, application and service providers, and content providers.


Link to
higher
tier ISP
Typical ISP Network
Fiber
optic
ISP C
ISP A
ISP B
Infrastructure Network
Twisted
copper pair
Coax cable
Access
Network
Dial-up
ADSL
Cable
modem
WIFI
WIFI



Child Internet Safety

- In the United States:
  - between 1 in 7 and 1 in 25 children have been solicited online.
  - 28% of online teens have created their own blog.
  - 27% maintain their own webpage.
  - 39% share their own artwork, photos, stories or videos online.
  - 41% of teens who use MySpace, Facebook, or other social networking sites send messages to their friends everyday through these sites — while only 22% of teens send messages via email everyday.
  - 42% of children have been bullied online, and 1 in 4 has had it happen more than once.

Piracy

- Worldwide, for every two dollars' worth of software purchased legitimately, one dollar's worth was obtained illegally.
- $48 Billion (USD) loss for software alone.
- For every song that is bought legally, in shops or online, around 20 songs are illegally downloaded

More than music

- Software
- Auto manufacturing
- Pharmaceuticals
- Applications
- Research
- Gaming and other content

Deep Packet Inspection

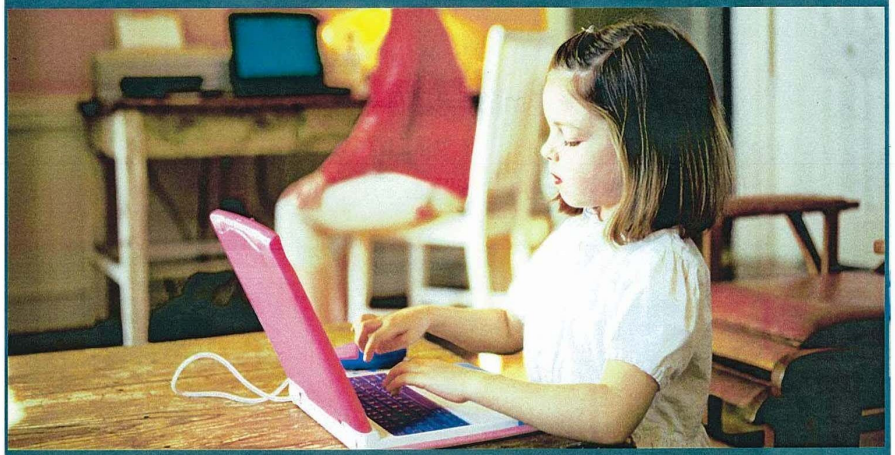
ITU

International Child Safety

- Family Online Safety Institute
- Center for Missing and Exploited Children
- iKEEPSAFE
- First Lady of Egypt and the ITU.

- Dolly
- Teddy
- Supergirl
- Amanda
- simpleplan
- nemo
- nivea
- babygirl
- leslie
- nina
- user0983
- acrobat
- jackson
- ethan
- Spiderman
- minnie
- user38759

The Internet opens up a whole new world



(do you know where your children are?)

Be careful who you speak to. Be careful where you go. What is true offline is, unfortunately, also true online. At ITU, we believe that children everywhere have the right to a safe environment, even a cyber one. That's why we launched the Global Cybersecurity Agenda (GCA) and why we're working with partners around the world to protect children from all kinds of cyberthreats. Because while the connection might be virtual, the danger is real.

www.itu.int/cybersecurity

Committed to connecting the world

ITU International Telecommunication Union