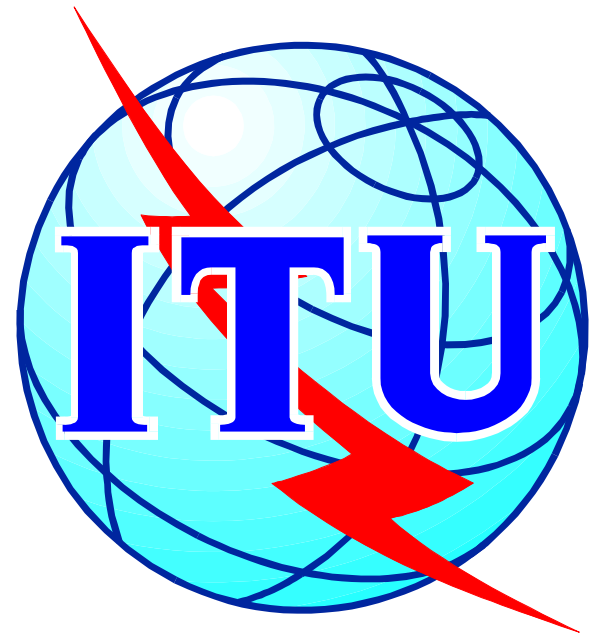
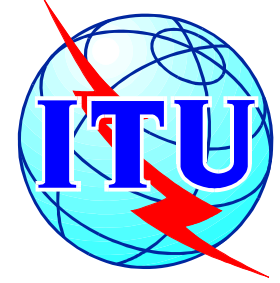


Broadband

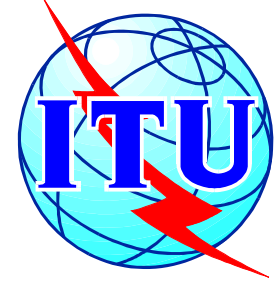
Dr Lucy Firth
Strategy & Policy Unit
ITU
May 2001





Broadband questions:

- What is it?
- Who's got it?
- Who wants it?
- Why wait?
- Who will it affect, and how?
- What's to be done?
- Who's to do it?

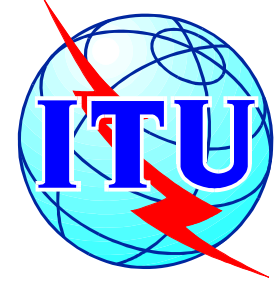


What is broadband?

Transmission rate

- ITU-T Recommendation I.113 ≥ 2 Mbit/s
- National definitions 200 kbit/s to 30 Mbit/s

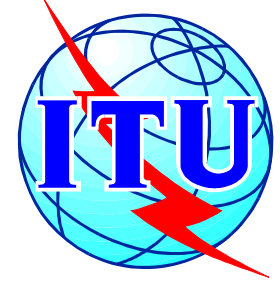
This is technology, we want communication and less frustration



Who's got it – domestically?

Lack of data correlated to:

- **social indicators**



Malaysian census

Are the following items available for use by the members of this household:

Motorcar

Motorcycle

Bicycle

Others

Air-Conditioner

Washing Machine

Refrigerator

Microwave

Radio/Hi-fi

Television

None of these items mentioned above

Video/VCD/DVD

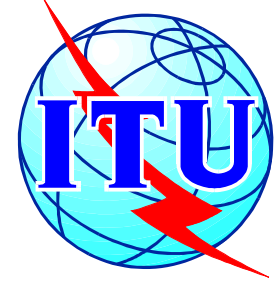
Fixed Telephone Line

Mobile phone

Personal Computer (PC)

Internet Subscription

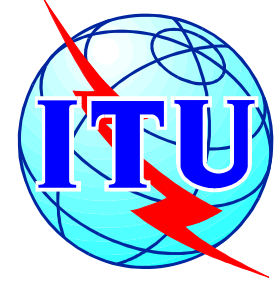
www.statistics.gov.my/English/page2.html



Who's got it – domestically?

Lack of data correlated to:

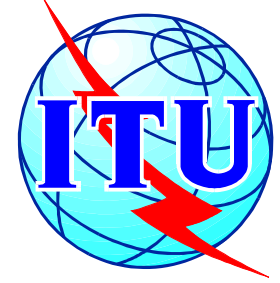
- **social indicators**
- **killer applications**



Who wants it?

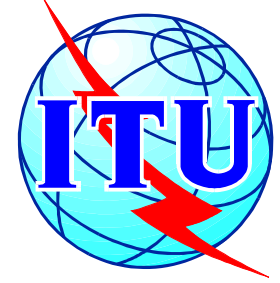
Myth of no killer application

- B2B e-commerce
- Games
- Interactive digital TV
- Faster Internet



Why wait for broadband?

- **Backbone infrastructure**
- **Local loop access**
- **Spectrum issues**
- **Cost to users**
- **Awareness**



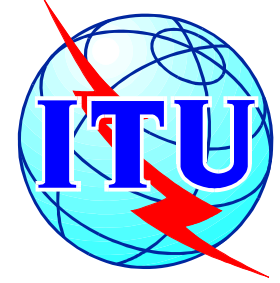
What effect upon whom?

Uneven distribution

Corporate world

Social

- **digital divide**
- **content**



What effect upon whom?

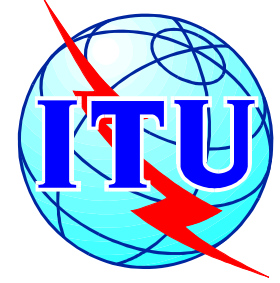
Even distribution

Utopia?

Corporate world

- **globalisation**
- **telcos**

Content



What is to be done?

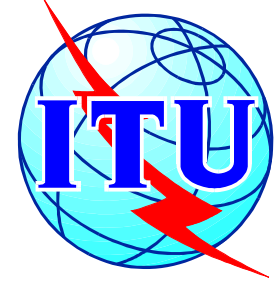
Regulation

Unbundle local loop

Universal service obligations

Cross-sector competition and tech-neutral

Converged regulator



What's to be done?

Programmes

National individuality, e.g., development level

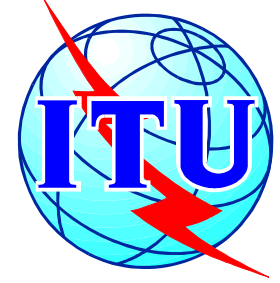
Digital divide

Public awareness education

School-based programmes

Small and Medium Enterprises

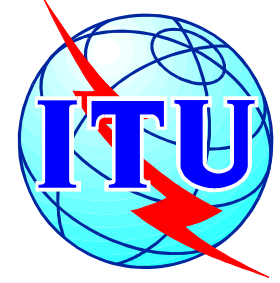
E-government



Who's to do it?

Government

- **Laissez-faire ideology**
- **Authority**
- **Consistent with legacy policy**
 - **Technological neutrality**
 - **Competition policy, etc.**



Who's to do it? Others

- **Authority**
- **Anti-trust**
- **Industry culture**
- **Self regulation and national interest**