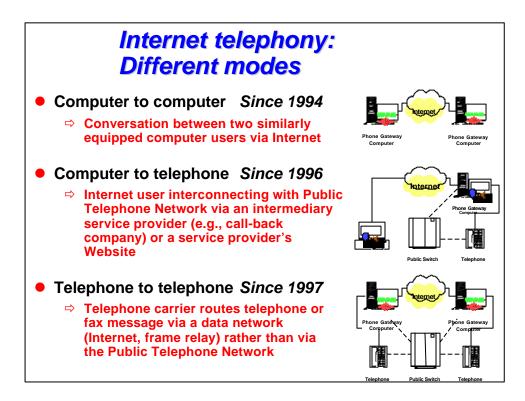


Internet Economics: Five factors that make the Internet different

- 1. Packet-switched network architecture
 - Connection-less not connection-oriented
- 2. Pricing independent of distance & duration
 - ⇒ Average message covers 15 or more "hops"
- 3. Peering arrangements, not settlements
 - ⇒ Based on a full-circuit regime, not on half-circuits
- 4. Traffic flows highly asymmetric
 - Dominant flow is to terminal that initiates a session (though this is changing)
- 5. The United States sets the rules!
 - There is no "Internet Telecommunication Union"



Which would you choose? Price per minute of a 3 minute international telephone/fax call from US (in US\$)

| | AT&T basic | AT&T One | Internet |
|-------------|------------|----------|----------|
| UK | 3.27 | 0.36 | 0.60 |
| Germany | 3.75 | 1.05 | 0.96 |
| Australia | 4.53 | 1.35 | 1.02 |
| Japan | 4.35 | 1.44 | 1.29 |
| Korea (Rep) | 5.46 | 1.77 | 1.17 |

Source: Adapted from data in TeleGeography 1997/98. Original source of AT&T tariff data is Tarifica. AT&T basic refers to the peak rate basic offering. "AT&T One" refers to the AT&T One Rate for which a US\$3 per month fee is payable. Internet Telephony tariff data is sourced from Global Exchange Carrier and is relevant for October 1997.

