





Internet Economics: Five factors that make the Internet different that make the Internet different that make the Internet different. I. Packet-switched network architecture Connection-less not connection-oriented Connection-less not connection-oriented Pricing independent of distance & duration Average message covers 15 or more "hops" Peering arrangements, not settlements Based on a full-circuit regime, not on half-circuits Traffic flows unrelated to value-flows Dominant flow is to terminal that initiates a session (though this is changing ...) The United States sets the rules! There is no "Internet Telecommunication Union"











3. Different wholesale pricing arrangements		
Public switched telephone	Public Internet service	
Service ●Per minute pricing of wholesale int'l traffic	 Usage-based wholesale pricing is rare (NZ and AUS are exceptions) 	
 International accounting rate and settlements system applies 	 Peering arrangements, usually based on capacity requested 	
 National interconnect regimes, regulated domestically 	No traffic-based settlement payments No regulation of pooring	
•Access charges payable for call origination and termination	 No access charges payable for IP traffic 	



4. Traffic flows not necessarily related to value flows	
Public switched telephone service•Traffic flows are bilateral and broadly match value flow in that caller, who 	Public Internet service•Traffic flows are multilateral: A single session may poll many countries•Web-browsing is dominant form of traffic: traffic flow is dominantly towards user who initiates the call•Newer forms of Internet traffic (telephony, push media, video-conferencing etc) reverses traffic flow to be from user who initiates the call













