





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 service•Per minute pricing of wholesale int'l traffic•International accounting rate and settlements 	Public Internet service•Usage-based wholesale pricing is rare (NZ and AUS are exceptions)•Peering arrangements, usually based on capacity requested•No traffic-based settlement payments•No regulation of peering arrangements	
termination	No access charges payable for IP traffic	



	 not necessarily value flows Public Internet service Traffic flows are multi- lateral: A single session may poll many countries Web-browsing is dominant form of traffic: traffic flow is dominantly towards user
direction of the call, from	•Newer forms of Internet
a statistical viewpoint, but	traffic (telephony, push
caller still pays & benefits	media, video-conferencing
•Traffic flows unbalanced	etc) reverses traffic flow to
between developed and	be <u>from</u> user who initiates
developing countries	the call













