

Remarks by

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at the

7th Annual Canadian Chapter Conference

Institute of International Communications

Ottawa

December 4, 2007

Network Trends from a Technological Perspective

- All applications -- voice, data, image, video, multimedia -
- conveyed on an all digital, packet-switched, broadband, low latency network or “platform”
- A “network of networks” platform that primarily relies upon common, open, non-proprietary standards and protocols (e.g., the Internet Protocol -- IP -- suite)
- A platform with increasingly powerful end user devices and increased processing power or “intelligence” at the edge of the network; services/applications created at the edge rather than just in the core of the network
- Extension of this platform using wireless technology to allow users to communicate anyplace, anytime, in any mode or combination of modes

Convergence

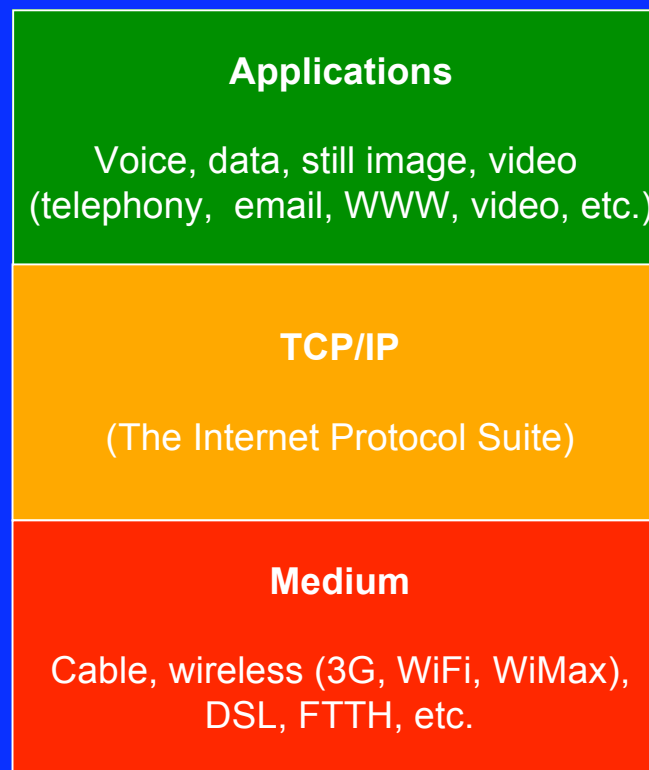
- Traditional “Silos” of Service/Regulation



Note: Titles refer to the Communications Act of 1934 (as amended); Bureaus refer to organizational units within the FCC

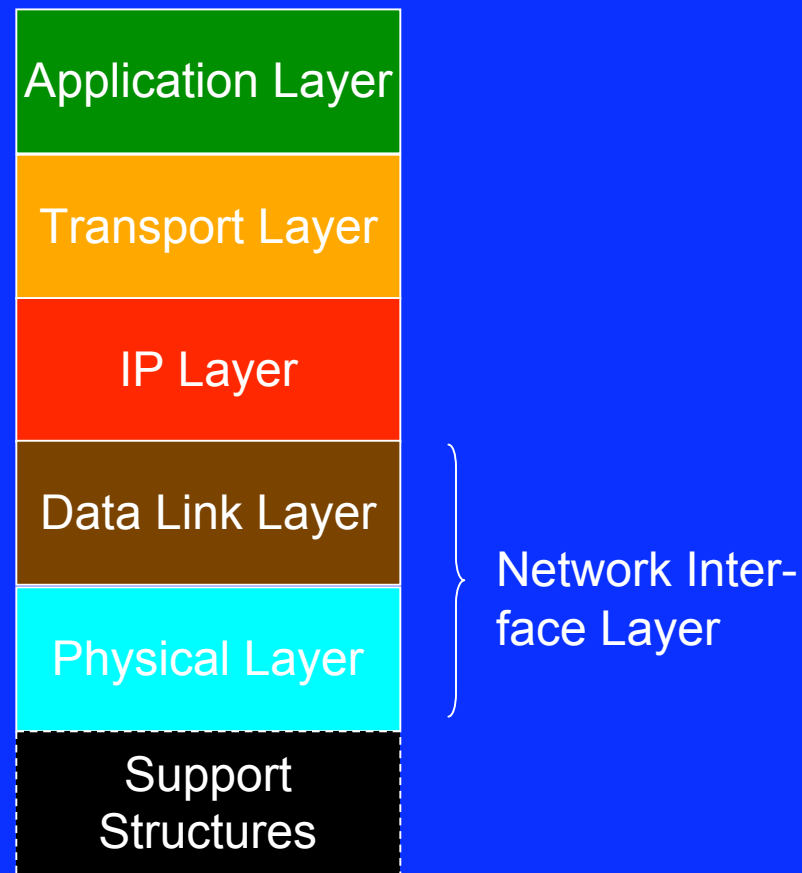
Convergence

- Converged Networks Services



Convergence

- Converged Network Services
 - Internet Protocol Suite



Traditional Justification for Economic Regulation

- Summary of Two Factors in Decision
 - Essential service or product offered to public at large (i.e., used in common); a service or product “effected with the public interest”
 - Provider has monopoly power (unfair bargaining power) in the provision of the product or service

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