

# Convergence Case Study: Voice over IP

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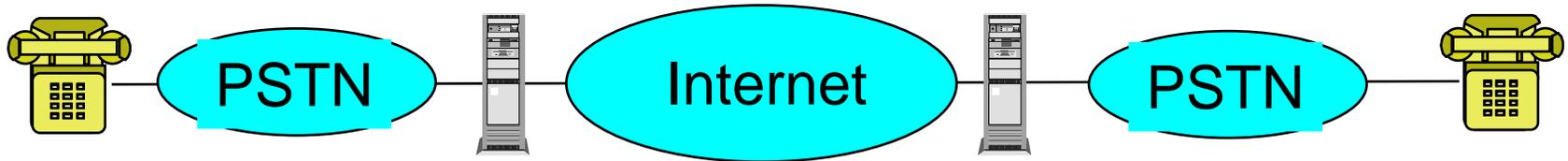
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# Three classes of Internet telephony

(Clark, 1997)

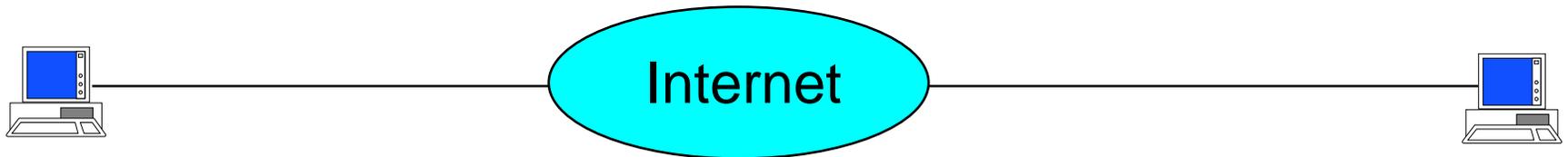
Class 1: POTS over Internet



Class 2: Hybrid POTS and Computer based communication



Class 3: Computer augmented communication over Internet



# VoIP Scenarios

VoIP in the backbone	VoIP at the edge, with PSTN interaction		VoIP at the edge, no PSTN interaction
A	B1	B2	C
IXC – Domestic and International Long Distance  (e.g. AT&T)	Facilities based IP Telephony  (e.g. VoCable, VoDSL, VoIP over Wireless)	VoIP over Broadband  (e.g. Vonage)	P2P  (e.g. FWD, Skype, Yahoo!, IM)

Slide courtesy of Chintan Vaishnav, MIT TPP '05