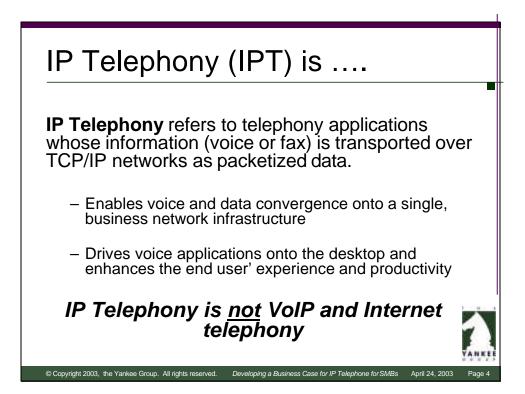




- The information presented today is based on multiple interviews conducted with Small and Medium Businesses (SMBs)* in the U.S.
 - These are SMBs that decided to adopt IP telephony
 - Interviews conducted between the months of Dec '02 and Jan '03
- Survey statistics presented are taken from the 2002 Yankee Group SMB Communications Services Study

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*SMBs are businesses with 2 to 500 employees



Agenda

- Methodology and Definition
- SMBs' Telephone Systems Upgrade Patterns
- Triggers Causing SMBs to Adopt IPT and Resulting Benefits of IPT
 - Organization Dynamics
 - Need to Improve Customer Service
 - Single Network Maintenance
 - Improved Employee Productivity and Satisfaction
- Helping SMBs to Develop a Business Case for IPT

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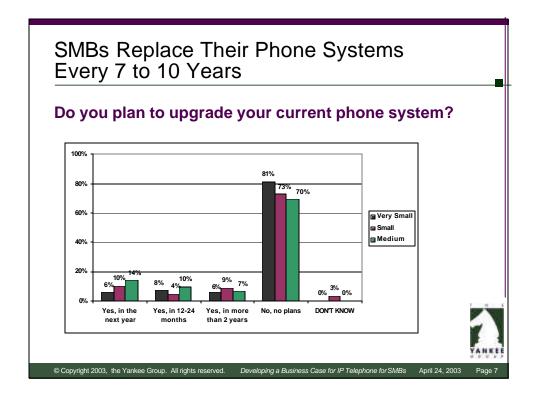
- Conclusions and Recommendations
- Questions and Answers
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 Developing a Business Case for IP Tele

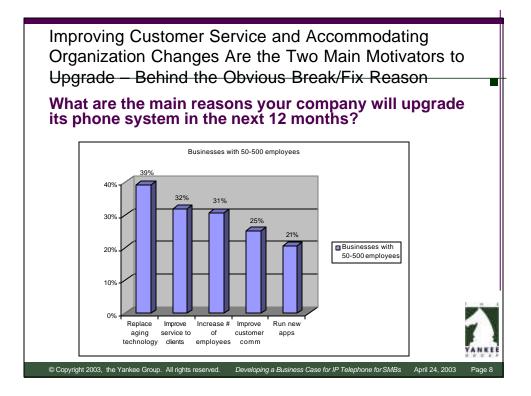
34% to 63% of Companies with 20 to 500 Employees Have Phone Systems

Which of the terms best describes the type phone system used by your company?

	Very Small 2 - 19	Small 20-99	Medium 100-499
Key telephone system - Hybrid key system	13%	16%	15%
PBX - Private Branch Exchange	5%	18%	48%
LAN telephony	3%	2%	4%
Centrex service provided to us for a monthly fee	6%	6%	6%
No system, just basic telephone sets	21%	5%	0%
No system, just multi-line phones with 2 or more lines	37%	27%	12%
Other (Specify)	3%	6%	5%
DON'T KNOW	12%	20%	10%
n=	250	250	250

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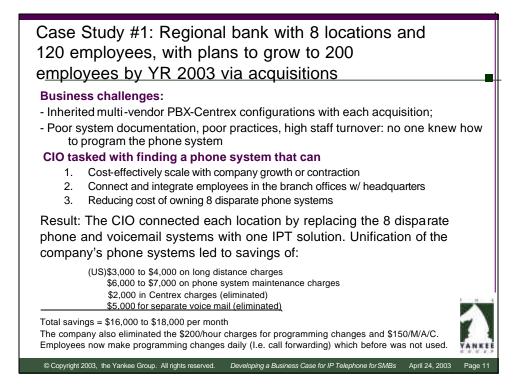
Agenda

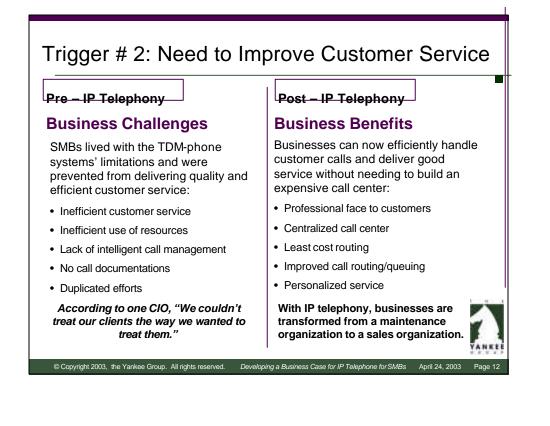
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Case Study #2: An engineering consulting firm with 4 regional branch offices (different area codes), 200 employees – 25% of which were mobile workers

Business challenges:

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Managed 4 Mitel PBX SX200 across 4 locations with a separate hosted voicemail
 Poor customer service: message lights not working consistently, no least cost

routing, no call documentation, heavy reliance on 3rd party

IT Director tasked with finding a phone system that helps the business to

- 1. Present a professional, high-tech business image to customers
- 2. Be more responsive to own calling needs without relying on 3rd party for changes
- 3. Provide responsive service to customer needs

Result: With IPT, the company was transformed into a professional, customer-centric organization.

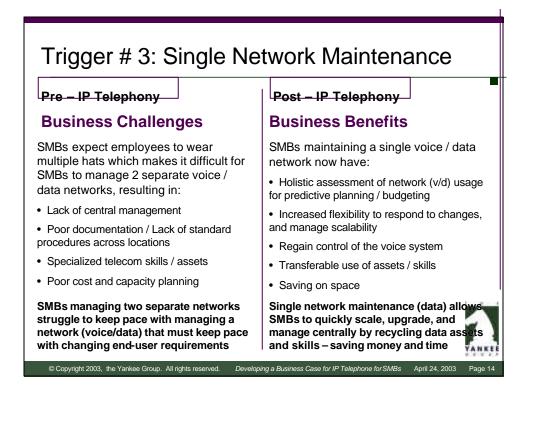
 Company was able to respond to customers quickly and effectively by making programming changes using a point and click GUI (M/A/Cs)

• Employees made sure customer calls are answered by taking advantage of newly enabled features, such as call forwarding to cell phone or home phone when traveling or working remotely

• Employees used their PCs, which displayed the customer's information, to manage incoming calls and to deliver personalized customer service

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Case Study #3: Manufacturing firm with 244 employees and 11 locations (some in rural areas)

Business challenges:

- Telecom expenses were skyrocketing from managing 11 different phone systems;

- Management spread across 11 locations and needed an integrated phone system to communicate internally

CFO tasked with finding a phone system that can

- 1. Contain cost of phone systems, long distance and 1-800# charges, decrease travel
- 2. Integrate, simplify management and upgrade of phone system acros s 11 sites
- 3. Decrease network complexity and cost of maintenance

Result: The CFO approved IPT solution and immediately benefited from:

- Least cost routing: calls over a private WAN network, and saving 10,000 / month in 800 # calling charges
- Centralized management allowed for standardization of processes across sites, which makes it
 easier for company to document and track procedures
- More simplified management as PBX can now run on an NT / 2000 server, which makes it easier and cost effective to maintain because data expertise already in-house – can also re-use legacy telephones – changes can be performed remotely
- Eliminate reliance on \Im^d party telecom consultants (for each site) who charged \$100 / hr plus drive time to service locations in remote rural.

Trigger # 4: Improved Employee Productivity and Satisfaction (End Users / Administrators)

Pre – IP Telephony

Challenges - Administrators

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Phone administrators find TDM systems complex and cumbersome:

- Problems hard to pinpoint and fix
- Programming changes and M/A/Cs difficult
- No documentation of system changes
- Lack of central database / directory

Challenges – End Users

Employees find phone features nonintuitive and hard-to-use:

- · Disuse and unawareness of phone features
- Applications inflexible to employee roles
- · Users tied to location
- Unfriendly screens UI
- Limited intelligence about calling party

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Post – IP Telephony

Developing a Business Case for IP Telephone for SMBs

Business Benefits

Developing a Business Case for IP Telephone for SMBs

 Improved productivity: IPT's point-andclick screens enable administrators to make changes quickly; employees dial only 4 digits to reach colleague

•<u>New applications</u>: End users can manage calls over PCs and retrieve voicemail in Outlook

 <u>Better control</u>: Administrators can deploy company-wide features (block crank calls / eliminated ability to dial 1-900s)

•Increased flexibility: Administrators can make changes to system even when away from the office – midnight troubleshooting; Customer support employees can route calls home "find me, follow me"

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Case Study #4: Chemical company with 500 employees (from 140 in 1998), looking to scale phone system and to add much needed phone features

Business challenges:

- Company moving into new space and needed to scale system affordably

- Phone system leases didn't not include software upgrades; business lived with limited 6-year old phone features

CFO tasked with finding a phone system that

- 1. Allows administrator to tweak system to accommodate business changes quickly and cost effectively
- 2. Is easy to program, learn, and maintain
- 3. Provide employees flexibility that maps to how they work

Result: With IPT, the business was able to:

• Improve productivity: his administrator was able to provision a set of numbers, map their trunks, configure users and call handlers in 20 minutes – on the TDM system, that would have required up to 5 hours.

Achieve increased flexibility: after-hours call center group can route customer service calls to their home phone with the IPT system

 React more quickly: adjusting to organizational changes more quickly with internal staff making system changes (I.e. moving from one port to another) without calling 3rd party vendor and waiting 48 hours to get it done

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Conclusions and Recommendations

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Questions and Answers
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Helping SMBs Determine if IP Telephony is Right for Them... (First Step)

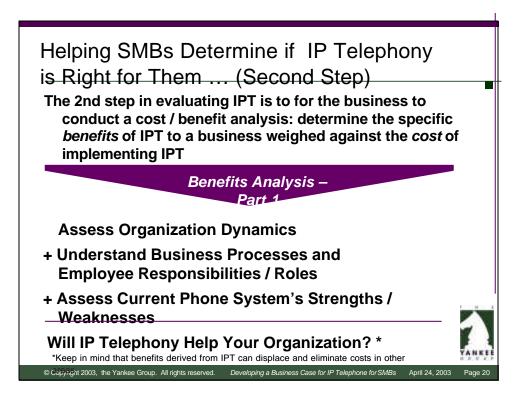
The 1st step businesses should take in developing a business case, or ROI, for IP Telephony, is to acquaint executives and end-users with it.

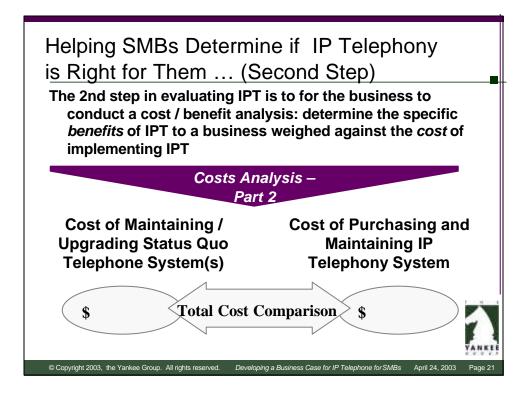
- Determining the remedial effects of IP telephony to a SMB requires that business to establish a baseline understanding of:
 - (1) How upper management expects the organization to change (structure / headcount / employee responsibilities)
 - (2) How the underlying voice infrastructure can cost effectively meet and accommodate those changes

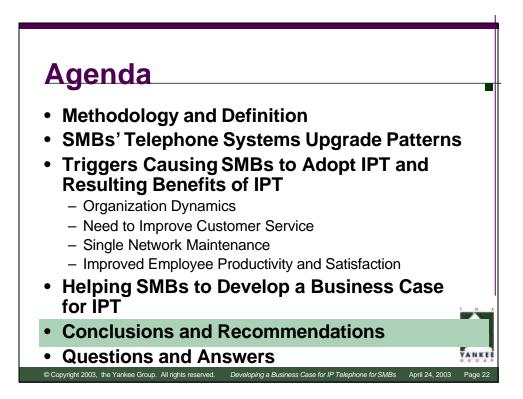
The Test?

If the business does not believe that the current TDM system can accommodate those business dynamics, then it's worth investigating if IPT is the better way to go.

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Conclusions / Recommendations

- IP telephony may not be for every business particularly for organizations with basic phone systems and need only to dial out and receive calls
- A business should consider IPT if its needs are more complicated and require a more simple solution. As one CFO says, "The IP telephony system that (his business) chose to go with had excellent features and functionalities, but the selling point is that even the standard features typical of a traditional phone system– were much easier to use than (those) on the cumbersome, complex old system."
- When it's time for a business to upgrade, it must **determine whether the business can live with a TDM-based system for another 7 to 10 years,** which is the average phone system replacement cycle.
- The IPT solution considered should **at least be on par** with the old system in the most used- features and functionalities
- If the business is becoming more dispersed, employees more mobile, and PC computing tied heavily to business processes, IPT may help the business to reduce costs and improve overall business productivity by enabling voice to be integrated into the business behavior and computing environment as well.

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