From:	Dan Neault	
Sent:	Thursday, December 13, 2001 7:24 PM	
То:	Jim Allchin; Bill Benack	
Subject:	Most recent slides	
Attachments: PC Client 12.13.1913.ppt		

We made a little progress today you will see reflected. Rogers Weed has other ideas to discuss tomorrow re: growth, mix, mining the IB; BillBen and I pulled in a few ideas reflected here.

Thanks. --Dan

3/23/2005

Plaintiff's Exhibit 7045 Comes V. Microsoft

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Growth Rates/Forecasts still based on Billed Revenue. Working on getting some specific industry #s Rotney Jenkins, 12/11/2001	Working to model Adjusted Gross Revenue.
Working on getting some specific industry #s Rodney Jenkins, 12/11/2001	

Slide 5

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Slide 6

rmt10

How about showing overall industry rev in a few lines.

top-line top 5 OEM rev y1-5 bottom-line top 5 OEM net y1-5 periph revenue w and w/o printers.

SW rev #s as good as we can get. *NA retail biz/consumer *EU retail biz/consumer *any research on LOB & var channels *focus, if we can, on theory of diminising thick client revenue R. Michael Taylor, 12/12/2001

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3/22/2005 Microsoft Confidential – Strotty Internal 7	 Interne Windox Little hit Few bir Little hit Few bir Little hit Upgrac Innova Longhom it Rich si Comm New re Furthe Still need L PC axt New a Comm Pervas Ul abs Major tech Pervas Explos Digital 	(browsing and email) was the last big boor for PC replacement is XP will capitalize on reliability through the code-base integration and photo/music scenarios indivare innovation due to shrinking margins and R&D investments in the commoditized OEM/HV segments alkthrough software applications and none targeting latest OS features (e.g., Napster) synargy between software and hardware advances (e.g., 30 graphics, wireless) e, inanagement and deployment complexity and cost limit adoption of new OS and applications in moved to the web and to the 'mobile' devices i focused on no-invigorating the platform in key areas indication and community scenarios, better mobility scenarios indication and community scenarios, better mobility scenarios improvements to automated feedback cycle (e.g., Watson and Windows Update) reakthrough new scenarios, applications, form-factors and hardware designs itement and relevance is centered around its ever-growing utility for every-day applications incation and community enarios, applications, form-factors and hardware designs itement and relevance is centered around its ever-growing utility for every-day applications incation and community enhance each application with network effects we mobility and new form factors enable new scenarios and re-vitalize existing scenarios in new contexts raction changes allow higher level tasks to be accomplished in the same amount of time (DOS-SGUI->NL) hological shifts are under way looking forward we connectivity, distributed applications and disaggregation change the definition of the PC and the CS on of information, information and segments the advers demands on systems		
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Investigate operators subsidizing wireless data enabled PCs

The idea behind this comes from the observation that carriers are prepared to subsidize wireless PDAs to the tune of >\$600 in return for a year's contract – so why not wireless PCs as well? They may in fact drive higher traffic & therefore be worthy of higher subsidy.

Slide 11

DN3 Is there a reasonable growth target to shoot for? How do we measure whether we're doing well? For example, would 10% YOY PC growth ad infinitum be a rational expectation?

Are we focused sufficiently on customer segmentation? For example, if we took a look at the consumer segment only what would we see? Would we see higher/lower penetration than in the SORG/MORG area? Would we see untapped growth we're not reaching due to price/functionality/needs analysis? For example, the US HH penetration is at 60%. What could we do to target the remaining 40%?

Are we sufficiently customizing our product for international markets? Are there features that, say, may be more interesting for Asian business users that would boost demand overseas?

If we look at Microsoft's sales and marketing structure, are we set up in a way that maximizes creation of demand for our products? For example, would a consumer marketing org focused only on boosting demand for consumer PCs be beneficial? Danial Neault, 12/13/2001





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rmt3

Have we fully considered the role of the channel in the ecosystem? I'm wondering, for example, if we are seeing a reduction in new SW catagories/sales because the channel is not set up to push new ideas. I expect that it's set up to push games and produtivity SW in the most efficient manner, but is not set up to push new client apps w/new ideas behind them.

One possible idea is to look at the MSFT channel management infrastructure as a means to help push new ideas onto store shelves w/sufficient marketing \$\$ to get them noticed. This would be an expanded role for MS publishing

One other problem is that the Web tought consumers the arguably bad habbit that SW is free to them.

One possible idea is to do general PR/branding around cool client apps for biz/consumer. Something like, "I bought such & such for \$\$ and it made my life better".

R. Michael Taylor, 12/13/2001

rmt4 An ecoystem point worth obvserving is that it's all about supply and demand and rate of change.

We want a high rate of growth driven by demand from our primary consumer and business segments. A relatively high rate of change in technology innovation, e.g. at a rate that can be efficiently adopted. We want a supply chain that supports the growth and creates the innovation.

The ecosystem ties this entire presentation together. If we set key growth targets in new PCs, mining the installed base, and on-going revenue derived from customer relationshiops serviced by new products & services, then our ecosystem problem tilts to doing everything we can to work with members of the ecosystem to achieve those set goals.

One big bet idea not on this slide would be to set scenario direction for 5 yr. point to required technologies, work with companies and VCs to see that necessary innovation is funded at required levels.

R. Michael Taylor, 12/13/2001

rmt5 Wow can we set a target for the ecosystem? What are the metrics?

Overall revenue growth @ XX% Overall industry margins @ YY% R. Michael Taylor, 12/13/2001



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Sille 14				
rmt7	Ss 60% the optimal mix? R. Michael Taylor, 12/13/2001	If we hit 60% would we see increased price pressure on Pro?		
rmt8	Assumes only two SKUs. R. Michael Taylor, 12/13/2001	Why not targeted SKUs to specific customer segments?		

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Slide 14



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- MHP/Java platform gaining STB mindshare & potentially legislative backing in Europe
- Base strategic responses
- Messaging is one of the top PC applications (instant and email)
 Investigate integration between IM, Exchange and with MMS using Windows Media / DRM momentum
 Bridge the wireless device world and POs
 Integration will benefit carriers and keep PCs relevant in the wireless world
- Drive Windows Media/DRM/Browser adoption with DVD player OEMs
- Ideas

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- Standards clash: GSM 3GPP formats not same as PC; need gateway to bridge -
- Programs for wireless PC networks, exploring carriers business models & subsidies _
- -Invest in innovation in synching protocols & auto-switching in wireless networks
- Need to make the PC a better PDA
 Need to make PC more of a gravitational well for data from PDAs
- Explore business models for the Pocket PC to bring in money after the sale
 Investigate integration of MS STB assets eHome, MSTV, UltimateTV

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Slide 17

DN1 marcsand to send additional ideas and table to billben & dneault Danial Neault, 12/13/2001

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There is relatively little variation in the length of PC use reported, hardware replacement policy or not Avg. age of a desktop is 32 months; portables 23 months; $_{\text{normal}}$

60% of desktop PCs are re-purposed

- Six in ten desktops, four in ten portables are re-purposed, most often as clients
- MORGs re-use more machines

607, 206 SORG, 201 Repurposing of Replaced Machines					
	TOTA	SORG	MORG	LORG	
Repurpose desktops	59%	38%	71%	59%	
as clients	74%	25%	75%	79%	
as terminals	37%	62%	42%	33%	
as servers	16%	25%	18%	15%	
Repurpose portables	43%		64%	43%	
as clients	82%		74%	84%	
as terminals	22%		19%	23%	
as servers	7%			9%	

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NQ4C/8C. Do you re-gurpore the desktop/portables ICs you replace? NQ4D/9D As servers, as clients, or as terminable Microsoft Confidential -- Strictly Internal

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Most (56%) replace PCs to run ne which are proprietary or custom - 24% Proprietary/custom apps - 20% MS Office - 16% CAD - No others over 9% Only 1 in 5 (19%) replace PCs to				·
Reasons for PC Replacement n=companies that replace PCs	Total n=584	SORG n=178	MORG n=194	LORG
Run new/more powerful apps	\$6%	49%	56%	63%
Old one not repairable	23%	28%	25%	18%
Run new OS	19%	16%	19%	21%
Better performance	16%	20%	21%	11%
Keep up-to-date	8%	8%	7%	8%
	4%	6%	3%	4%



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	U	pgrade	S		
	Windows Installed Base & C			*	
	Segment: # (M's) Upgrade LORGs 82			NTW	
	LORGS 82, MORGS 75		48% 2% 48% 3%		
	SORGS 122	50 15%			
	Consumer 182	68 22%	61% 13%		
	Total 461M	192			
+ in		b by ##% = \$## pe d base ##% (keep		aradi	na tho
sa • ≤r O: • Is:	creasing capable installe me) = \$## leed revenue model for t S releases and PC purch	d base ##% (keep ypical Windows cu ases>	ing % u stomer	across	-

mcrea	sing US Up	grade Sales
Barriers to sellin	g more upgrades:	
Overall System requirement Compatibility with existence Significant time MS product support 	s exceed significant portion of usting hardware & software costs	installed base
Home Machine does everythi Complexity Awareness Compatibility Piracy	Small Business ng Cost of support/purchase Machine does everything PC lifespan Compatibility w/LOB Hardware Compatibility	Enterprise Compatibility w/LO8 Deployability Cost Hardware reqmts, Training/interop between old/new
Cost for multiple PCs Downtime Retraining	Fear of Change Frequency	Not a big deal/priority

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