

GAS INDUSTRY STANDARDS BOARD
FUTURE TECHNOLOGY TASK FORCE MEETING
November 7, 2000 – 9:00 a.m. to 4 p.m.
Draft Agenda

The details for the November 7, 2000 Future Technology Task Force meeting are as follows:

Date: Tuesday, November 7, 2000
Location: Dynege Offices
1000 Louisiana
Conference Room 6029
Houston, TX 77002
Time: 9:00 AM – 4:00 PM Central

(Participants must go to Security on the 58th floor to sign in before proceeding to the 60th floor)

Agenda for the meeting is:

- Administrative
- Antitrust Guidelines
- Approval of Minutes from the 6/01/2000 Meeting
- Review of Responses to Interoperability Survey
 - Implication of Survey Results on GISB EDM Standards
- Time Permitting – discussion of Sandia report (see pp 174-193 of Executive Committee Book posted for 10/12 EC Meeting)
- Adjourn

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	Q1	Q2	Q3	Q4			Q5	Q6 - Part 1				
	How many PCs are used in your company to access CA web sites?	How many PCs are used in your company to access Info Postings?	% of your PCs used to access CA web sites	How old are your PCs?			How often are your PCs replaced? (yrs)	% of Your PCs Today - Max Monitor Resolution				
				< 1 year	1-2 years	>2 years		640x480	800x600	1024x768	1280x1024	Higher
Average Response	62	68	32%	28%	45%	30%	2.9	1%	10%	59%	38%	4%

Detailed Responses													
Number	Segment												
1	Pipeline	70	100	30%	30%	40%	40%	3	0%	0%	99%	85%	0%
2	Services	10	50	20%	10%	90%			0%	0%	0%	100%	0%
3	Producer	40	40	25%	10%	20%	70%	3	0%	0%	20%	80%	0%
4	Services	200	200	100%	100%			2.5	0%	0%	100%	0%	0%
5	Pipeline	4	6	2%	25%	25%	50%	4	0%	0%	80%	20%	0%
6	Services	10	4	6%	30%	70%		2	10%	30%	60%	0%	0%
7	LDC	50	100	3%	60%	30%	10%	3	0%	5%	90%	5%	0%
8	Pipeline	100	100	20%	50%	40%	10%	2	0%	0%	0%	100%	0%
9	Pipeline	3	4	1%	25%	50%	25%		0%	50%	50%	0%	0%
10		800	800	50%	0%	0%	100%	3	0%	0%	100%	0%	0%
11	Pipeline	20	20	5%	20%	30%	50%	3	0%	0%	0%	90%	10%
12	Pipeline	10	42	25%	100%	0%	0%	2	0%	0%	100%	0%	0%
13	LDC	15	15	1%	25%	25%	50%	3	0%	50%	50%	0%	0%
14	Producer	100	100	10%	33%	33%	33%	3	0%	0%	0%	100%	0%
15A	Pipeline	20	20	75%	0%	100%	0%	3	0%	0%	100%	0%	0%
15B	LDC	20	20	75%	0%	100%	0%	3	0%	0%	100%	0%	0%
16	Services	20	20	15%	100%	0%	0%		0%	0%	100%	0%	0%
17	Producer	10	10	100%	0%	0%	100%		0%	90%	10%	0%	0%
18	Distributor	9	24	38%	0%	0%	100%		0%	0%	0%	0%	100%
19	Services	0	3	0%	30%	50%	20%		0%	0%	75%	25%	0%
20	Services	100		40%	25%	75%	0%	2	0%	0%	0%	100%	0%
21	LDC	30			0%	20%	80%	5	0%	5%	40%	45%	10%
22	Pipeline	20	2	25%	30%	0%	0%	2	10%	30%	60%	0%	0%
23	Services	100	100	2%	0%	100%	0%	3	0%	10%	90%	0%	0%
24	Services	3	3	20%	10%	80%	10%	2	0%	50%	50%	0%	0%
25A	Producer	25	35	95%	20%	80%	0%	3	0%	0%	100%	85%	0%
25B	Services	25	35	95%	20%	80%	0%	3	0%	0%	100%	85%	0%
25C	Services	25	35	95%	20%	80%	0%	3	0%	0%	100%	85%	0%
26	Pipeline	10	10	10%	10%	20%	70%	4	0%	0%	100%	0%	0%
27	Pipeline	10	16	10%	70%	20%	10%	4	0%	0%	0%	100%	0%
28	Pipeline	105	105	12%	0%	100%	0%	3	0	0%	0%	100%	0%
29	Producer	10	10	1%	30%	30%	40%	3	0	0%	100%	0%	0%

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	Q6 - Part 2					Q7					Q8 - Part 1			
	% of Your PCs in 6 months - Max Monitor Resolution					Resolution Actually Used by Your PCs (%)					Your PC Processor Speed Today (% PCs)			
	640x480	800x600	1024x768	1280x1024	Higher	640x480	800x600	1024x768	1280x1024	Higher	<166 Mhz	166-350	400-600	>600
Average Response	1%	5%	55%	37%	12%	0%	34%	61%	5%	0%	4%	45%	43%	7%

Detailed Responses															
Number	Segment	Q6 - Part 2					Q7					Q8 - Part 1			
		640x480	800x600	1024x768	1280x1024	Higher	640x480	800x600	1024x768	1280x1024	Higher	<166 Mhz	166-350	400-600	>600
1	Pipeline	0%	0%	0%	90%	0%	0%	10%	85%	5%	0%	20%	50%	0%	5%
2	Services	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%
3	Producer	0%	0%	0%	0%	100%	0%	40%	60%	0%	0%	0%	80%	20%	0%
4	Services	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%
5	Pipeline	0%	0%	60%	40%	0%	0%	75%	25%	0%	0%	0%	50%	25%	25%
6	Services	10%	30%	60%	0%	0%	0%	50%	50%	0%	0%	0%	50%	30%	20%
7	LDC	0%	0%	90%	10%	0%	0%	0%	95%	5%	0%	0%	10%	60%	30%
8	Pipeline	0%	0%	0%	100%	0%	0%	50%	50%	0%	0%	0%	0%	100%	0%
9	Pipeline	0%	50%	50%	0%	0%	0%	80%	20%	0%	0%	0%	50%	50%	0%
10							0%	100%	0%	0%	0%	0%	100%	0%	0%
11	Pipeline	0%	0%	0%	90%	10%	0%	50%	50%	0%	0%	20%	50%	25%	5%
12	Pipeline	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	40%	60%	0%
13	LDC	0%	25%	75%	0%	0%	0%	50%	50%	0%	0%	0%	100%	0%	0%
14	Producer	0%	0%	0%	100%	0%	0%	0%	100%	0%	0%	0%	65%	30%	5%
15A	Pipeline	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	20%	80%	0%
15B	LDC	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	20%	80%	0%
16	Services						0%	0%	100%	0%	0%	0%	0%	95%	5%
17	Producer						0%	90%	10%	0%	0%	0%	100%	0%	0%
18	Distributor	0%	0%	0%	0%	100%	0%	100%	0%	0%	0%	0%	100%	0%	0%
19	Services	0%	0%	70%	30%	0%	0%	0%	90%	10%	0%	0%	25%	75%	0%
20	Services	0%	0%	0%	0%	100%	0%	0%	100%	0%	0%	0%	0%	100%	0%
21	LDC	0%	0%	20%	30%	50%	0%	5%	40%	50%	5%	5%	65%	30%	0%
22	Pipeline	10%	30%	60%	0%	0%	0%	50%	50%	0%	0%	0%	50%	30%	20%
23	Services	0%	0%	100%	0%	0%	0%	10%	90%	0%	0%	0%	100%	0%	0%
24	Services	0%	20%	80%	0%	0%	0%	50%	50%	0%	0%	30%	70%	0%	0%
25A	Producer	0%	0%	110%	90%	0%	0%	20%	80%	0%	0%	0%	0%	100%	0%
25B	Services	0%	0%	110%	90%	0%	0%	20%	80%	0%	0%	0%	0%	100%	0%
25C	Services	0%	0%	110%	90%	0%	0%	20%	80%	0%	0%	0%	0%	100%	0%
26	Pipeline	0%	0%	100%	0%	0%	0%	90%	10%	0%	0%	33%	62%	0%	5%
27	Pipeline	0%	0%	0%	100%	0%	0%	75%	25%	0%	0%	5%	50%	40%	5%
28	Pipeline	0%	0%	0%	100%	0%	0%	50%	50%	0%	0%	0%	10%	80%	10%
29	Producer	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	30%	60%	0%

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Average Response	Q8 - Part 2				Q9 - Part 1				Q9 - Part 2			
	Your PC Processor Speed in 6 months (% PCs)				Your PCs' Random Access Memory Today (% PCs)				Your PCs' Random Access Memory in 6 months (% PCs)			
	<166 Mhz	166-350	400-600	>600	<64M	97-128 M	400-600	>128	<64M	97-128 M	400-600	>128
	1%	25%	51%	23%	25%	53%	4%	19%	14%	57%	4%	23%

Detailed Responses													
Number	Segment	Q8 - Part 2				Q9 - Part 1				Q9 - Part 2			
1	Pipeline	5%	35%	50%	10%	20%	75%	0%	5%	5%	80%	0%	15%
2	Services	0%	100%	0%	0%	40%	60%	0%	0%	40%	60%	0%	0%
3	Producer	0%	0%	20%	80%	90%	10%	0%	0%	0	100%	0%	0%
4	Services	0%	0%	0%	100%	0%	0%	0%	0%	0	0%	0%	0%
5	Pipeline	0%	25%	50%	25%	25%	75%	0%	0%	10%	90%	0%	0%
6	Services	0%	0%	50%	50%	30%	50%	20%	20%	30%	50%	20%	20%
7	LDC	0%	0%	50%	50%	10%	90%	0%	0%	0%	100%	0%	0%
8	Pipeline	0%	0%	70%	30%	0%	100%	0%	0%	0%	70%	0%	30%
9	Pipeline	0%	50%	50%	0%	50%	50%	0%	0%	50%	50%	0%	0%
10						0%	100%	0%	0%				
11	Pipeline	20%	50%	25%	5%	50%	25%	0%	25%	50%	25%	0%	25%
12	Pipeline	0%	0%	50%	50%	50%	50%	0%	0%	0%	100%	0%	0%
13	LDC	0%	100%	0%	0%	50%	50%	0%	0%	50%	50%	0%	0%
14	Producer	0%	55%	30%	15%	20%	75%	0%	5%	15%	75%	0%	10%
15A	Pipeline	0%	0%	80%	20%	0%	50%	50%	50%	0%	50%	50%	50%
15B	LDC	0%	0%	80%	20%	0%	50%	50%	50%	0%	50%	50%	50%
16	Services	0%	0%	95%	5%	50%	40%	0%	10%	30%	60%	0%	10%
17	Producer					0%	100%	0%	0%				
18	Distributor	0%	100%	0%	0%	80%	20%	0%	0%	50%	50%	0%	0%
19	Services	0%	20%	80%	0%	0%	100%	0%	0%	0%	100%	0%	0%
20	Services					0%	100%	0%	0%				
21	LDC	0%	30%	70%	0%	20%	75%	0%	5%	10%	80%	0%	10%
22	Pipeline	0%	0%	50%	50%	30%	50%	0%	20%	30%	50%	0%	20%
23	Services	0%	0%	100%	0%	10%	90%	0%	0%	0%	100%	0%	0%
24	Services	0%	70%	30%	0%	50%	50%	0%	0%	0%	10%	0%	0%
25A	Producer	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	100%
25B	Services	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	100%
25C	Services	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	100%
26	Pipeline	5%	62%	0%	33%	80%	15%	0%	0%	0%	100%	0%	0%
27	Pipeline	0%	20%	55%	25%	30%	60%	0%	10%	30%	60%	0%	10%
28	Pipeline	0%	0%	25%	75%	0%	0%	0%	100%	0%	0%	0%	100%
29	Producer	0%	10%	60%	30%	0%	95%	0%	5%	0%	95%	0%	5%

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	Q10 - Part 1		Q10 - Part 2		Q10 - Part 3	
	Connection to the Internet Today (% PCs)		Connection to the Internet in 6 months (% PCs)		Typical Dial Up Connection Speed	
	Direct	Dial Up	Direct	Dial Up	Now	in 6 Months
Average Response	98%	11%	91%	13%		

Detailed Responses							
Number	Segment						
1	Pipeline	90%	10%	0%	0%	56K	56K
2	Services	100%	0%	0%	0%		
3	Producer	75%	25%	50%	50%	56K	56K
4	Services	100%	0%	100%	0%		
5	Pipeline	100%	0%	100%	0%		
6	Services	100%	0%	100%	0%		
7	LDC	100%	5%	100%	5%	56K	1.5 MB
8	Pipeline	100%	0%	100%	0%		
9	Pipeline	100%	0%	100%	0%		
10		100%	0%				
11	Pipeline	95%	5%	95%	5%	56K	56K
12	Pipeline	100%	0%	100%	0%		
13	LDC	100%	0%	100%	0%		
14	Producer	95%	5%	95%	5%	56K	56K
15A	Pipeline	100%	0%	100%	0%		
15B	LDC	100%	0%	100%	0%		
16	Services	100%	0%	100%	0%		
17	Producer	90%	10%			9.8K	
18	Distributor	100%	0%	100%	0%	T-1	T-1
19	Services	100%	0%	100%	0%		
20	Services	100%	0%			56K	56K
21	LDC	100%	0%	100%	0%		
22	Pipeline	100%	0%				
23	Services	100%	0%	100%	0%		
24	Services	100%	0%	100%	0%		
25A	Producer	100%	100%	100%	100%	2800 baud	2800 baud
25B	Services	100%	100%	100%	100%	2800 baud	2800 baud
25C	Services	100%	100%	100%	100%	2800 baud	2800 baud
26	Pipeline	100%	0%	100%	0%	T-1	T-1
27	Pipeline	100%	0%	100%	0%	56K	56K
28	Pipeline	99%	1%	99%	1%	56K	56K
29	Producer	100%	0%	100%	0%	T-1	T-1

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	Q11	Q12 - Part 1		Q12 - Part 2		Q12 - Part 3
	Redundant Internet Connection (yes/no)?	Non PC access to Web sites Today?		Non PC access to Web sites in 6 months?		Type of non-PC access to the Web sites
		Yes	No	Yes	No	
Average Response		4%	96%	16%	84%	

Detailed Responses								
Number	Segment							
1	Pipeline	Yes	0%	100%	0%	100%		
2	Services	No	0%	100%	0%	100%		
3	Producer	Yes	10%	90%	10%	90%	PDA's	
4	Services	Yes	0%	100%	100%	0%	PDA's	
5	Pipeline	No	0%	100%	0%	100%		
6	Services	Yes	0%	100%	0%	100%		
7	LDC	Yes	0%	100%	0%	100%		
8	Pipeline	Yes	0%	100%	0%	100%		
9	Pipeline	Yes	0%	100%	0%	100%		
10		No	0%	100%				
11	Pipeline	Yes	0%	100%	0%	100%		
12	Pipeline	Yes	0%	100%	?	?		
13	LDC	Yes	0%	100%	?	?		
14	Producer	Yes	0%	100%	0%	100%		
15A	Pipeline	Yes	0%	100%	0%	100%		
15B	LDC	Yes	0%	100%	0%	100%		
16	Services		0%	100%	0%	100%		
17	Producer	No	0%	100%				
18	Distributor	Yes	0%	100%	0%	100%		
19	Services	Yes	0%	100%	0%	100%		
20	Services		0%	100%	0%	100%		
21	LDC	Yes	5%	95%	10%	90%	PDA's and cell phones	
22	Pipeline	Yes	0%	100%	0%	100%		
23	Services	Yes	0%	100%	0%	100%		
24	Services	Yes	0%	100%	0%	100%		
25A	Producer	Yes	5%	95%	10%	90%	PDA's and cell phones	
25B	Services	Yes	5%	95%	10%	90%	PDA's and cell phones	
25C	Services	Yes	5%	95%	10%	90%	PDA's and cell phones	
26	Pipeline	Yes	0%	100%	0%	100%		
27	Pipeline	Yes	0%	100%	100%	0%		
28	Pipeline	Yes	0%	100%	100%	0%	PDA's	
29	Producer	Yes	100%	0%	100%	0%	cell phones	

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	Q13 - Part 1				Q13 - Part 2				Q14 - Part 1				Q14 - Part 2			
	Your PC Operating Systems Today (% PCs):				Your PC Operating Systems in 6 months (% PCs):				OS Version Now				OS Version in 6 months			
	Windows	Linux	System N	Other	Windows	Linux	System N	Other	Windows	Linux	System N	Other	Windows	Linux	System N	Other
Average Response	99%	0%	0%	0%	100%	0%	0%	0%								

Detailed Responses																	
Number	Segment																
1	Pipeline	100%	0%	0%	0%	100%	0%	0%	0%	95				2000			
2	Services	100%	0%	0%	0%					NT							
3	Producer	100%	0%	0%	0%	100%	0%	0%	0%	95				NT			
4	Services	100%	0%	0%	0%	100%	0%	0%	0%	4.0 NT				4.0 NT			
5	Pipeline	100%	0%	0%	0%	100%	0%	0%	0%	95							
6	Services	100%	0%	0%	0%	100%	0%	0%	0%	4.0 NT				4.0 NT			
7	LDC	100%	0%	0%	0%	100%	0%	0%	0%	95				2000			
8	Pipeline	100%	0%	0%	0%	100%	0%	0%	0%	2000				2000			
9	Pipeline	100%	0%	0%	0%	100%	0%	0%	0%	95, 98, NT				95, 98, NT			
10		100%	0%	0%	0%	100%	0%	0%	0%								
11	Pipeline	100%	0%	0%	0%	100%	0%	0%	0%								
12	Pipeline	100%	0%	0%	0%	100%	0%	0%	0%	4.0 NT				2000			
13	LDC	100%	0%	0%	0%	100%	0%	0%	0%								
14	Producer	100%	0%	0%	0%	100%	0%	0%	0%	95, NT				95, NT			
15A	Pipeline	100%	0%	0%	0%	100%	0%	0%	0%	NT 4.0				NT 4.0			
15B	LDC	100%	0%	0%	0%	100%	0%	0%	0%	NT 4.0				NT 4.0			
16	Services	100%	0%	0%	0%	100%	0%	0%	0%	NT 4.0				NT 2.0			
17	Producer	100%	0%	0%	0%												
18	Distributor	100%	0%	0%	0%	100%	0%	0%	0%	98				NT			
19	Services	95%	5%	0%	0%	95%	5%	0%	0%	98/NT 4	REDMT 6.0			98/NT 4	REDMT 6.0		
20	Services	100%	0%	0%	0%	100%	0%	0%	0%								
21	LDC	100%	0%	0%	0%	100%	0%	0%	0%	98/NT 4				98/NT			
22	Pipeline	100%	0%	0%	0%	100%	0%	0%	0%	NT 4.0				NT 4.0			
23	Services	90%	0%	0%	10%												
24	Services	100%	0%	0%	0%	100%	0%	0%	0%	95/98				98/2000			
25A	Producer	100%	0%	0%	0%	100%	0%	0%	0%	NT 4.0				NT 4.0			
25B	Services	100%	0%	0%	0%	100%	0%	0%	0%	NT 4.0				NT 4.0			
25C	Services	100%	0%	0%	0%	100%	0%	0%	0%	NT 4.0				NT 4.0			
26	Pipeline	100%	0%	0%	0%	100%	0%	0%	0%								
27	Pipeline	100%	0%	0%	0%	100%	0%	0%	0%	95/2000				2000			
28	Pipeline	100%	0%	0%	0%	100%	0%	0%	0%	95/98/NT				2000/NT			
29	Producer	95%	1%	0%	4%	95%	1%	0%	4%	NT 4.0	2.2			NT 4.0	2.2		

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	Q15 - Part 1			Q15 - Part 2			Q16	Q17 - Part 1			Q17 - Part 2		
	Internet Browsers Today			Internet Browsers in 6 months				Internet Browser Version Today			Internet Browser Version in 6 months		
	Netscape	IE	Other	Netscape	IE	Other	Other Specified	Netscape	IE	Other	Netscape	IE	Other
Average Response	25%	91%	0%	24%	92%	0%							

Detailed Responses													
Number	Segment												
1	Pipeline	0%	100%	0%	0%	100%	0%		5.0				
2	Services	0%	100%	0%					5.0				
3	Producer	20%	80%	0%	0%	100%	0%		4.05	4.0		5.0	
4	Services	10%	90%	0%	10%	90%	0%			5.0		5.0	
5	Pipeline	0%	100%	0%	0%	100%	0%			5.0		5.5	
6	Services	5%	100%	0%	5%	100%	0%		4.5	4.0	4.5	5.0	
7	LDC	20%	80%	0%	0%	100%	0%		4.5	5.0	4.5	5.5	
8	Pipeline	50%	100%	0%	0%	100%	0%			5.0		?	
9	Pipeline	0%	100%	0%	0%	100%	0%			4.x, 5.0		4.x, 5.0	
10		<100%	<100%	0%					4.7	5.5			
11	Pipeline	5%	100%	0%	5%	100%	0%		6.0	5.0	6.0	5.0	
12	Pipeline	40%	100%	0%	40%	100%	0%		4.0	5.0	4.0	5.0	
13	LDC	50%	100%	0%	25%	100%	0%		4.7	5.0, 5.5		5.5	
14	Producer	100%	5%	0%	100%	5%	0%		4.73	5.0	4.73	5.0	
15A	Pipeline	20%	100%	0%	20%	100%	0%		4.7	5.0	4.7	5.5	
15B	LDC	20%	100%	0%	20%	100%	0%		4.7	5.0	4.7	5.5	
16	Services	100%	100%	0%	100%	100%	0%		4.71	5.1	6.0	5.5	
17	Producer	0%	100%	0%						5.2			
18	Distributor	0%	100%	0%	0%	100%	0%			4.x		5.x	
19	Services	25%	75%	0%	25%	75%	0%		4.5	5.0	4.5	5.0	
20	Services	0%	100%	0%						5.01			
21	LDC	0%	100%	0%	0%	100%	0%			4.0/5.0		5.0	
22	Pipeline	5%	100%	0%	5%	100%	0%		5.0/4.5	4.0/5.0	5.0/4.0	5.0	
23	Services	10%	90%	0%				10% UNIX O/S	Current	Current			
24	Services	100%	100%	0%	100%	100%	0%		4.0	4.0	4.0	4.0	
25A	Producer	0%	100%	0%	0%	100%	0%			5.0		5.5	
25B	Services	0%	100%	0%	0%	100%	0%			5.0		5.5	
25C	Services	0%	100%	0%	0%	100%	0%			5.0		5.5	
26	Pipeline	10%	100%	0%	10%	100%	0%			5.0		5.0	
27	Pipeline	0%	100%	0%	0%	100%	0%			5.0		5.0	
28	Pipeline	100%	100%	0%	100%	100%	0%		4.73	5.01	4.73	5.01	
29	Producer	95%	5%	0%	95%	5%	0%		4.6	5.0	4.75	5.0	

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PC Software

	Q17 - Part 2			Q17 - Part 3
	Encountered conflicts - browsers/plug-ins			Conflict Description
	Yes	No	Don't Know	
Average Response	15	11	5	

Detailed Responses Number	Segment				
1	Pipeline			x	
2	Services		x		
3	Producer	x			Some sites haven't adapted to the latest release of critical plug-ins and sites that only use new versions experienced conflicts.
4	Services		x		
5	Pipeline	x			Citrix version incompatibilities between two pipelines JAVA plug-in conflicts with profiles
6	Services	x			
7	LDC			x	
8	Pipeline	x			Newer version of Sun plug-in can cause conflict with older version
9	Pipeline		x		
10			x		
11	Pipeline			x	
12	Pipeline	x			
13	LDC		x		
14	Producer		x		
15A	Pipeline				
15B	LDC		x		
16	Services		x		
17	Producer	x			Incompatible with certain EBBs
18	Distributor		x		
19	Services		x		
20	Services			x	
21	LDC	x			IE 5.0 was a must to access some sites. plug-ins conflict with profiles
22	Pipeline	x			
23	Services	x			Varied IE Security
24	Services	x			
25A	Producer	x			EBB Upgrade Issues
25B	Services	x			
25C	Services	x			EBB Upgrade Issues Different versions of JAVA
26	Pipeline	x			
27	Pipeline	x			JAVA version onflict with native WIN 98
28	Pipeline		x		
29	Producer			x	

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Internet Use

Average Response	Q19						Q20					Q21
	How many different CA Web sites does your user access on average?						Do your users access multiple CA and IP web sites at the same time?					Other Interoperability Concern about CA or IP web sites
	1	2	3	4 - 6	7 - 10	>10	No	Yes	How many?	Same W/S	Different W/S	
3	1	9	10	2	6	10	22	3	19	3		

Detailed Responses Number	Segment	Q19						Q20					Q21
		1	2	3	4 - 6	7 - 10	>10	No	Yes	How many?	Same W/S	Different W/S	
1	Pipeline	x						x					
2	Services								x				x
3	Producer							x					
4	Services			x					x	3	x		
5	Pipeline			x					x	2	x		
6	Services				x			x					
7	LDC					x			x	3	x		Timely notification of web site upgrades requiring client browser changes by the end user
8	Pipeline	x							x	1	x		have access to mics who have customers who have different version of the Java development platform or software vendor (version).
9	Pipeline		x					x					
10							x		x	2	x		
11	Pipeline			x				x					
12	Pipeline					x			x	4	x		(1) All should be totally web based with no local PC software required. (2) No software limitations to use. (3) No hardware adjustments to use.
13	LDC						x		x	10	x		
14	Producer					x		x					
15A	Pipeline					x			x	3	x		
15B	LDC					x			x	3	x		
16	Services			x				x					
17	Producer						x		x	3	x		Non-compatibility.
18	Distributor			x					x	3	x		Should be able to simultaneously open pipeline nominations screens, electronic trading platforms, information postings, in house accounting systems and office programs.
19	Services								x	3	x		
20	Services						x		x	3		x	
21	LDC					x			x				
22	Pipeline						x		x				
23	Services								x	3	x		
24	Services			x					x	3	x		
25A	Producer					x			x	3	x		The lack of current printer drivers is a major problem. EBBs are constantly changing configurations --unstable.
25B	Services					x			x	3	x		The lack of current printer drivers is a major problem. EBBs are constantly changing configurations --unstable.
25C	Services					x			x	3	x		The lack of current printer drivers is a major problem. EBBs are constantly changing configurations --unstable.
26	Pipeline	x						x					
27	Pipeline			x					x	2	x		Fire wall and Proxy configurations
28	Pipeline			x					x	5		x	
29	Producer			x					x	7	x		

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 Internet Use

		Q22
		Upgrade plans for PCs in the future, including new configurations.
Average Response		
Detailed Responses Number	Segment	
1	Pipeline	
2	Services	
3	Producer	All PCs to be upgraded to 666Mhz, 128 RAM W/NT operating system in the next 12 mos.
4	Services	
5	Pipeline	In Jan 2001: 1 Ghz CPU, 128 RAM, 10 GB HD, 17" monitor at 1024x768 resolution.
6	Services	
7	LDC	Windows 2000 and Office 2000 upgrades
8	Pipeline	
9	Pipeline	
10		Will upgrade in three years to Windows 2000, 256 MB RAM
11	Pipeline	
12	Pipeline	In process of upgrading to Compaq Armada 500 with 128M RAM and 500 MHz speed. Compaq EN866 desk top PCS with 128M RAM and 866 MHz speed.
13	LDC	
14	Producer	No immediate plans.
15A	Pipeline	PCs upgraded to 700 MHz and 256M RAM
15B	LDC	
16	Services	
17	Producer	
18	Distributor	Within the next month, trade rep computers will be upgraded from Windows 98 to NT.
19	Services	
20	Services	
21	LDC	All PCs will be running Windows MS Office 2000 Suite, IE 5.0 or 6.0
22	Pipeline	
23	Services	
24	Services	
25A	Producer	3rd Quarter 2001, PC O/S will be Win 2000 with a Pentium III 600+ MHz.
25B	Services	
25C	Services	3rd Quarter 2001, PC O/S will be Win 2000 with a Pentium III 600+ MHz.
26	Pipeline	Upgrading to 733 MHz/128 RAM in six months.
27	Pipeline	25% refresh yearly, 60%/40% desktop/laptop, current technology.
28	Pipeline	Upgrades to WIN 2000 O/S.
29	Producer	