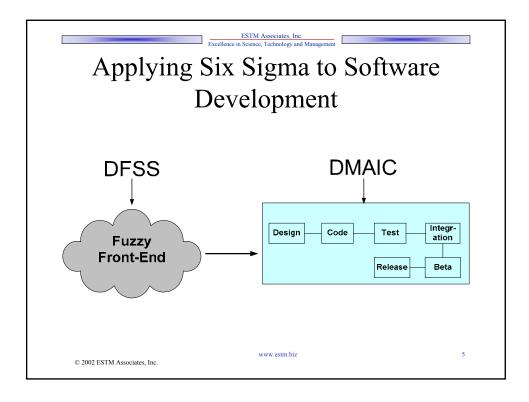
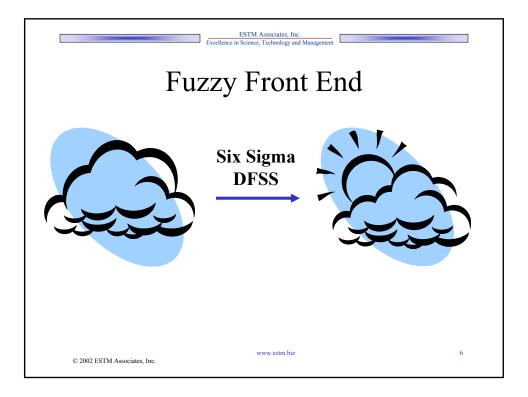
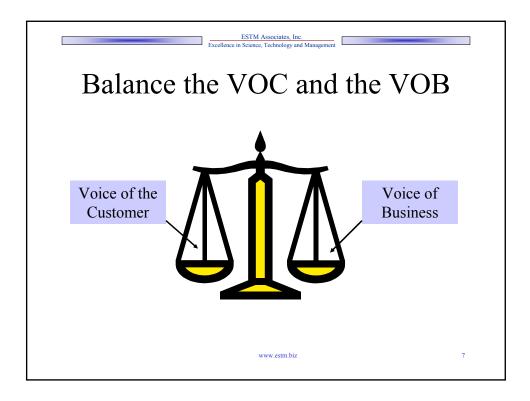
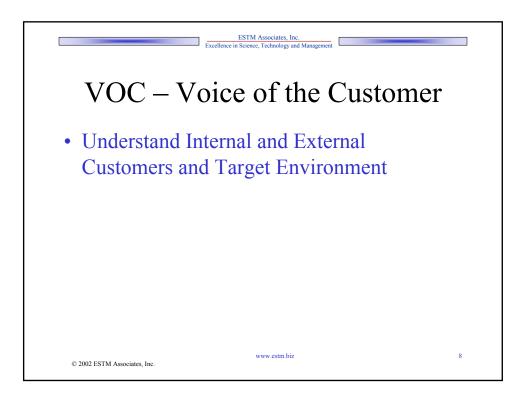


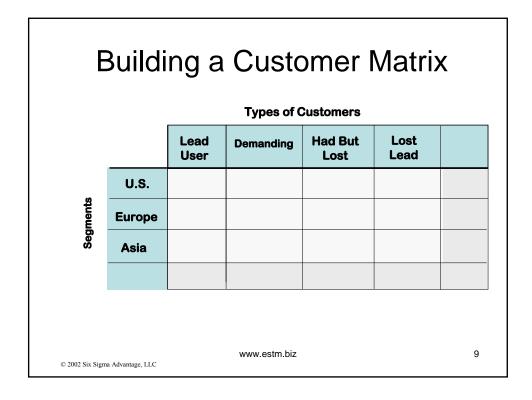
Key Fa	ctors in Software Project F	ailures	
	Risk Factor	% of "MIS' Projects	
Requirements Failures	Creeping Requirements	80%	
Expectation Failures	Excessive Schedule Pressure	65%	
E	Low Quality	60%	
Execution Failures	Cost Overruns	55%	
	Inadequate Configuration Management	50%	

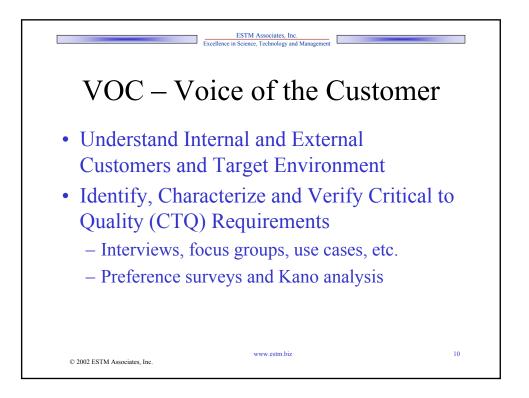


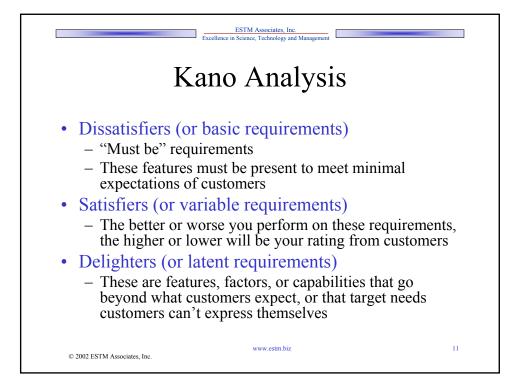


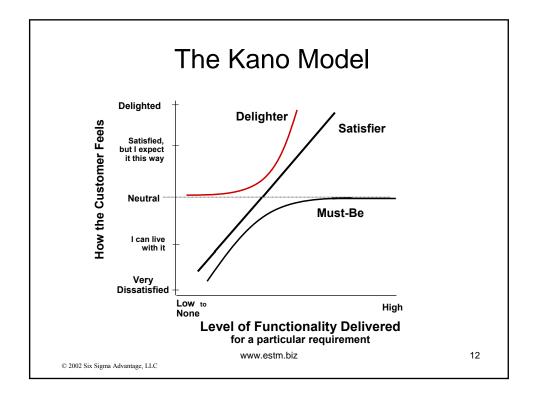




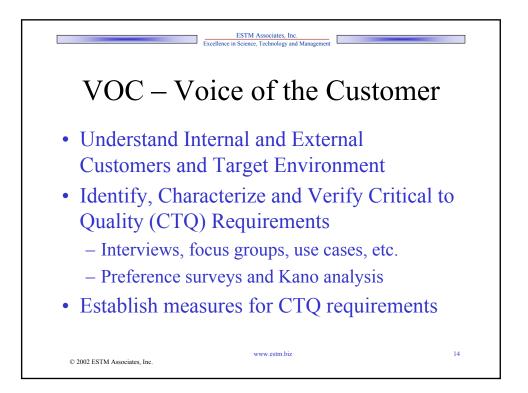




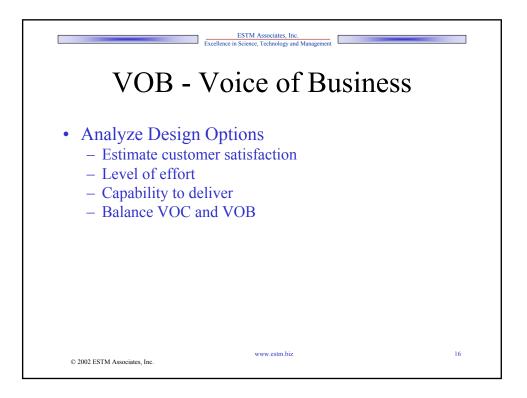




voc Outp	ut: Prioritiz	zed C	TQs
Requirement	Use-case	Kano	Priority
Manage database			
interfaces	Verifying data content integrity	S	4
	Moving client- server data	М	3
Manage Network I/O	Optimizing data transfer	D	3.5
Provide real-time user	Minimizing system response time	М	5
access			



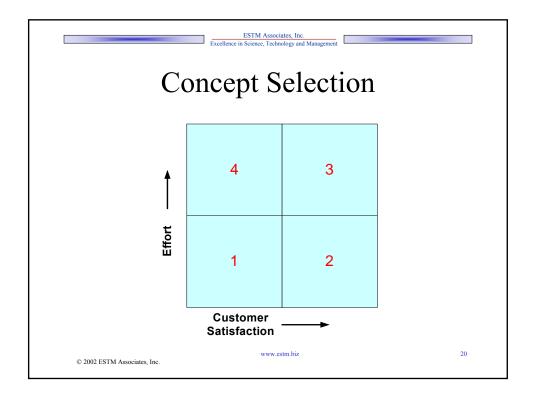
Manage Minimum Database Interfaces	Average	Strong
Verifying data S 4 ⁵¹ record/1,000 ⁵ content integrity	≤ 1 record/10,000	≤ 1 record/100,000
Manage Moving client- Network I/O server data M 3 ¹⁰⁰ records/min.	500 records/min.	800 records/min.
Optimizing data transfer D 3.5 Hooks for user supplied	Top 5 compression schemes supplied	Top 10+ compression schemes supplied and fully integrated

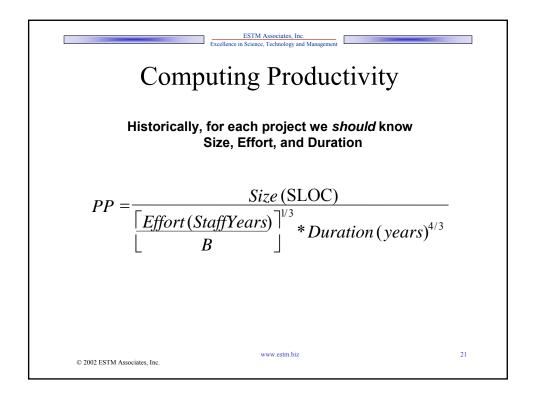


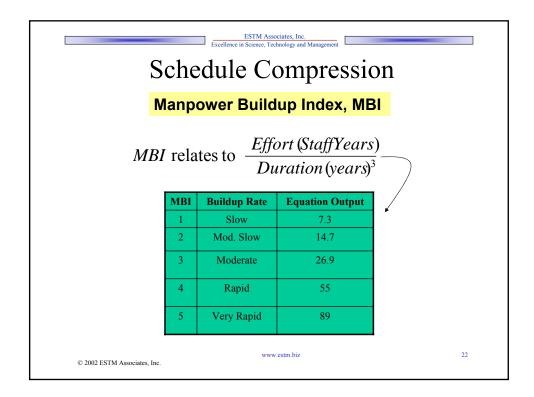
	Analy	ze De	sign C)ptio	ns		
				Design	Options	Level o	f Effort
Requirement	Use-Case	Kano	Priority	Base	Full	Base Effort	Full Effort
Manage database interfaces							
	Verifying data content integrity	S	4	1	3	1000	1500
Manage Network I/O	Moving client- server data	М	3	1	3	5500	7500
	Optimizing data transfer	D	3.5	1	3	12000	18000
		Customer Sat. Score Effort Score					

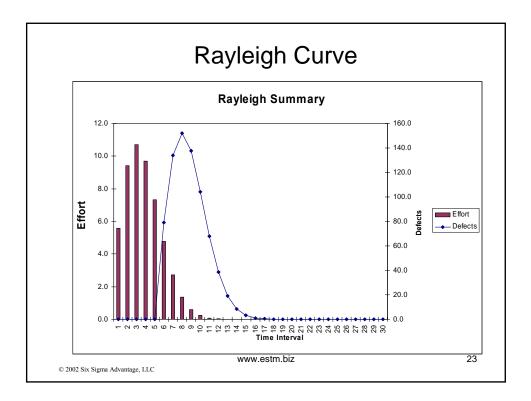
	Analyz	ze De	sign O	ptio	ns		
Requirement	Use-Case	Kano	Priority	Base	Full	BaseE ffort	Full Effort
Manage							
database interfaces							
	Verifying data content integrity	S	4	1	3	1000	1500
Manage Network I/O	Moving client- server data	M	3	1	3	5500	7500
	Optimizing data transfer	D	3.5	1	3	12000	18000
			= F(K)	ano, P	riority	, Featur	e Level
		Custom Score	her Sat.				
		Effort S	Score				

	Analy	ze De	sign C)ptio	ns		
Requirement	Use-Case	Kano	Priority	Base	Full	BaseE ffort	Full Effort
Manage							
database interfaces							
	Verifying data content integrity	S	4	1	3	1000	1500
Manage Network I/O	Moving client- server data	М	3	1	3	5500	7500
	Optimizing data transfer	D	3.5	1	3	12000	18000
		Custom Score	ner Sat.	$= \sum Ef$	fort Es	stimates	
		Effort S	Score 🖌				









	Balancing	VOC and VOB	
	Business Value Feature Value	\$20,000,000 \$688,000	-
MBI = 1 (Slow)	Concept 1	MBI = 3 (Moderate)	Concept 1
Duration (months)	15.2	Duration (months)	13
Effort (staff months)	77.3	Effort (staff months)	119.4
Released Defects	14.1	Released Defects	267
Effort Cost	\$966,250	Effort Cost	\$1,492,500
Duration Adjustment		Duration Adjustment	\$1,400,000
Defect Repair Cost	\$239,700	Defect Repair Cost	\$453,900
Net Value	\$19,482,050	Net Value	\$20,141,600

	Balancing	В			
	Business Value	\$20,000,000	0		
	Feature Value	\$688,000			
MBI = 3 (Moderate)	Concept 1	MBI = 5 (Very Rapid)	Concept 1		
Duration (months)	13	Duration (months)	11.7		
Effort (staff months)	119.4	Effort (staff months)	220.7		
Released Defects	267	Released Defects	508		
Effort Cost	\$1,492,500	Effort Cost	\$2,758,750		
Duration Adjustment	\$1,400,000	Duration Adjustment	\$1,400,000		
Defect Repair Cost	\$453,900	Defect Repair Cost	\$663,600		
Net Value	\$20,141,600	Net Value	\$18,665,650		

