

APPENDIX A  
SC DISRUPTION EVENTS SCENARIOS

TABLE VII: SC Disruption Events Scenarios - (anyLogistix)

Experiments	Free Disruption	DC Miami (closure)	Demand Variation	Factory Mexico (closure)	Scenario Evaluation
<b>Scenario I - Statistics</b>					
Inventory Spend (\$)	934,192,500	1,422,218	1,340,960	1,531,043	Medium Impact
ELT Service Level (%)	1.00	0.912	1.00	0.959	High Resilience
Total Recovery Time (days)	0	65	0	30	Fast Response
Lead Time (days)	35.46	35.46	35.46	57.00	Optimized Flow
Profit (\$)	908,656,792	569,457	956,044	690,478	Stable
Revenue (\$)	2,293,859,400	2,053,662	2,361,853	2,293,859	Growth Expected
Total Cost (\$)	1,385,202,607	1,484,205	1,405,809	1,603,381	Controlled
<b>Scenario II - Statistics</b>					
Inventory Spend (\$)	1,057,244	513,813	1,809,131	1,797,163	Moderate Impact
ELT Service Level (%)	1.00	0.95	1.00	0.91	Good Performance
Total Recovery Time (days)	0	25	0	75	Requires Optimization
Lead Time (days)	48.7	48.7	48.7	48.696	Needs Improvement
Profit (\$)	1,156,986	506,690,850	604,790	392,419	Stable
Revenue (\$)	2,293,859	2,293,859	2,362,853	2,247,362	Good Expectations
Total Cost (\$)	1,136,872	1,780,045	1,757,063	1,854,942	Needs Adjustment
<b>Scenario III - Statistics</b>					
Inventory Spend (\$)	513,156	1,090,331	510,753	864,644	Lower Impact
ELT Service Level (%)	1.00	0.90	1.00	0.98	High Resilience
Total Recovery Time (days)	0	82	0	110	Needs Faster Response
Lead Time (days)	84.12	84.12	84.12	84.12	Too High
Profit (\$)	1,274,429	684,809	1,243,275	813,031	Requires Balance
Revenue (\$)	2,301,370	2,301,370	2,369,587	2,301,370	Strong Growth
Total Cost (\$)	1,026,940	1,616,570	1,126,313	1,488,338	Acceptable