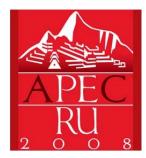


2008/SOM3/CTTF/STAR/010 Session: 10

Costs and Benefits of Investing in Supply Chain Security Measures: Case Studies of Successful Experiences by Private Sector

Submitted by: World BASC Organization



6th Secure Trade in APEC Region Conference Lima, Peru 20-21 August 2008

Costs and benefits of Investing in Supply Chain Security Measures: Case Studies of Successful Experiences by Private Sector

Voluntary supply chain security programs, such as BASC and C-TPAT, have had important impacts in the global trade environment.

Several studies have been done in order to understand the different points of views and perceptions that companies have towards these programs.

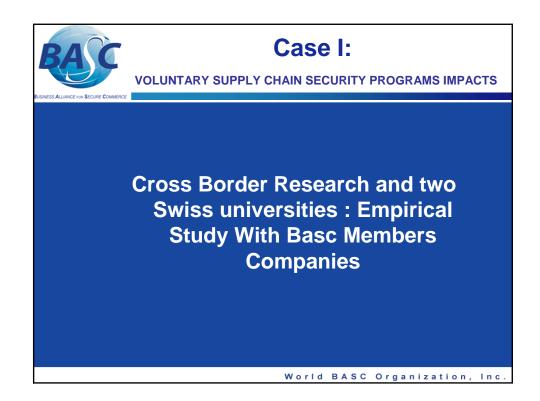
In 2006, the Crossborder Research Association held a study, whose main objectives were to identify which supply chain security standards have been implemented by security leading companies in Latin America in order to establish which are the most efficient and analyze the direct and indirect costs and benefits relationship.

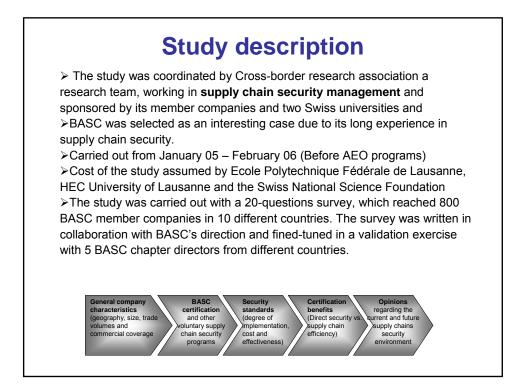
On the other hand, in 2007 a similar research was conducted by the Center for Survey Research (CSR) at the University of Virginia in order to have a better close up of the C-TPAT Costs of investment, benefits and the relationship between them

It is important to know the different experiences members are having, as it provides an important guideline for future development and globalization of supply chain security standards.

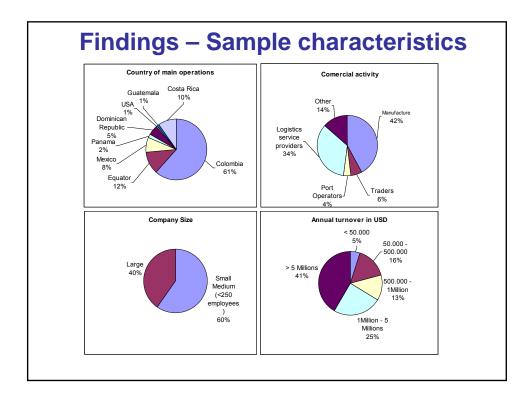


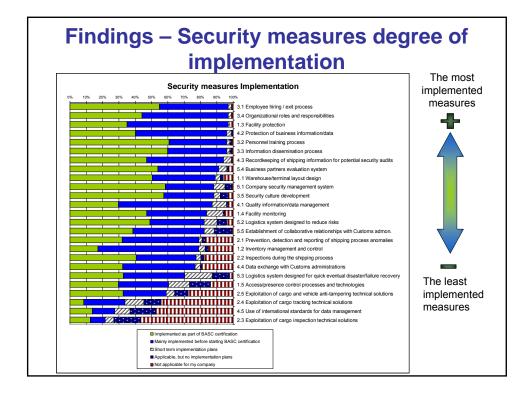


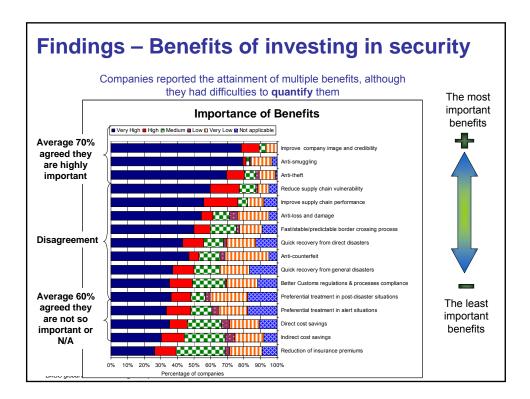








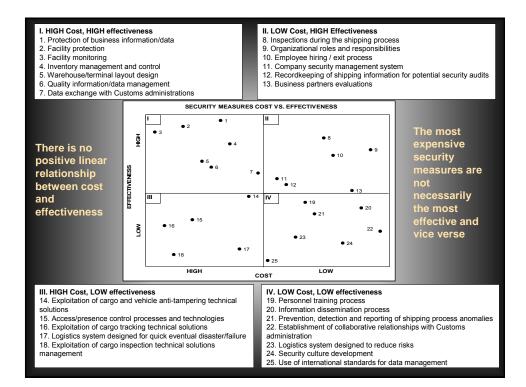


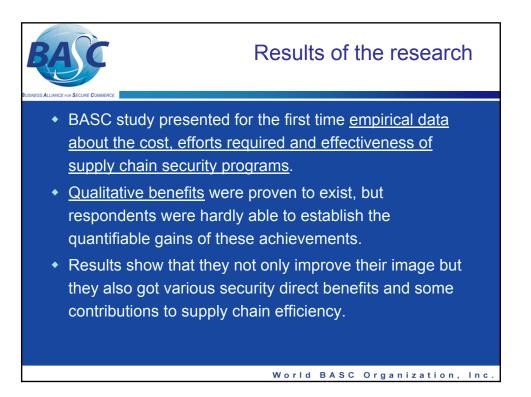


Avoid smuggling	90%	
Improve company Image	82%	
Reduce theft	81%	
Reduce supply chain vulnerability	78%	
Improve supply chain performance	77%	
Reduce loss & damage	61%	
Fast border crossing	60%	
Reduce counterfeit	56%	
Quick recovery from direct disasters	52%	
Quick recovery from general disasters	50%	
Preferential treatment in post-disaster situation	49%	
Better customs compliance	48%	
Direct operations cost savings	48%	
Preferential treatment in alert situations	47%	
Indirect operations cost savings	44%	
Insurance cost reduction	39%	

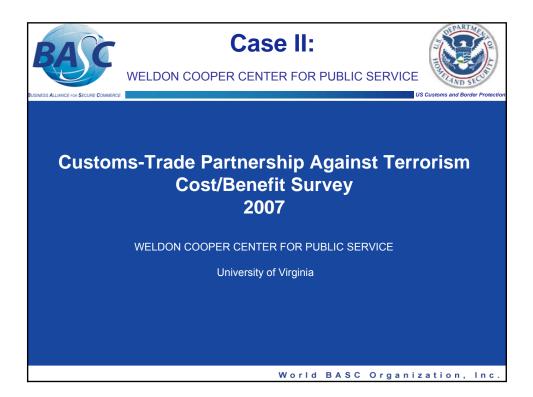
Certification and maintenance average cost for different turnovers

		Average value in USD					
Annual turnover	Number of companies	Implementation Cost	Annual Maintenance cost	Maintenance / certification cost	Certification cost / Turnover		
< 50.000	4	28'625	2'888	10%	≥ 57%		
50.000 -500.000	13	17'176	8'539	50%	3% -34%		
500.000 -1Million	13	13'585	6'698	49%	1% -3%		
1Million -5 Million	25	61'820	15'826	26%	1% -6%		
> 5 Million	llion 35 52'742		28'484	54%	≤1%		
Total	90	34'790	12'487	38%			
A TECHNIQUE E LAUSANNE	W		NIZATION,				

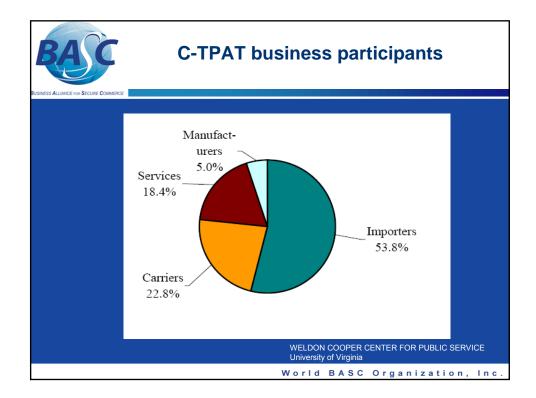


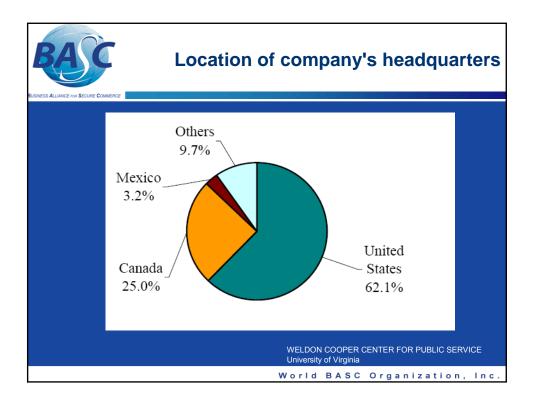


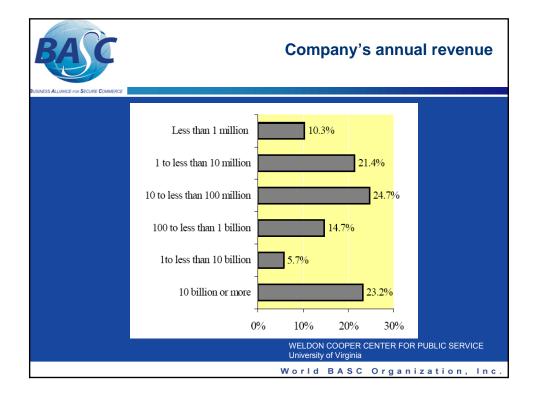


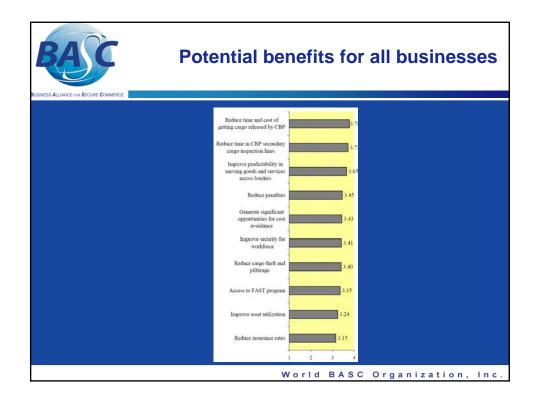












Implementation costs by business size						
Potential Implementation costs	Less than \$10 million	S10 million to Less S100 million	S100 million to less than S10 billion	S10 billion or more		
Improving physical security	\$16,739 (192)	\$23,160 (168)	\$43,718 (103)	\$98,673 (105)		
Improving in- house awareness	\$2,628 (108)	\$4,200 (96)	\$12,778 (81)	\$20,588 (75)		
Salaries and expenses of personnel	\$9,808 (130)	\$24,220 (119)	\$39,523 (99)	\$67,317 (104)		
Improving cargo security	\$6,488 (130)	\$14,090 (104)	\$18,577 (62)	\$45,619 (77)		
Improving personnel security procedures	\$2,928 (107)	\$10,670 (82)	\$13,728 (53)	\$30,743 (48)		
Improving identification system	\$2,871 (116)	\$4,971 (97)	\$9,574 (61)	\$33,349 (52)		
Improving personnel screening procedures	\$2,093 (94)	\$6,842 (69)	\$13,117 (40)	\$13,671 (41)		
Improving IT systems and databases	\$6,570 (111)	\$27,160 (70)	\$53,979 (31)	\$44,862 (39)		
Improving use of security for personnel	\$7,093 (39)	\$36,992 (41)	\$39,419 (33)	\$73,202 (29)		
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