

U.S.-Mexico Border Cooperation Under the Mérida Initiative

Non-Intrusive Inspection Equipment



The Border and Port Security Program

Facts

Funding

Accomplishments

Deployment

U.S. Embassy Mexico
May, 2012

Background

As part of Pillar III, under the Merida Initiative, Mexico and the United States have joined as partners to fight transnational criminal organizations through a policy of co-responsibility, cooperation and mutual respect.

A critical component is the delivery of non-intrusive inspection equipment (NIIE) that allows Mexico's authorities to discreetly scan and inspect passenger vehicles, cargo containers and freight rail for firearms, explosives, drugs, bulk cash, contraband or people. NIIE equipment also modernizes and improves border security at land crossings, sea ports and airports by detecting and reducing the flow of illegal goods while facilitating legitimate trade and travel opportunities.



The IP6500 X-Ray Vehicle and Cargo Inspection System (VACIS) inspects vehicles and cargo in high-volume operations, even through heavy shielding

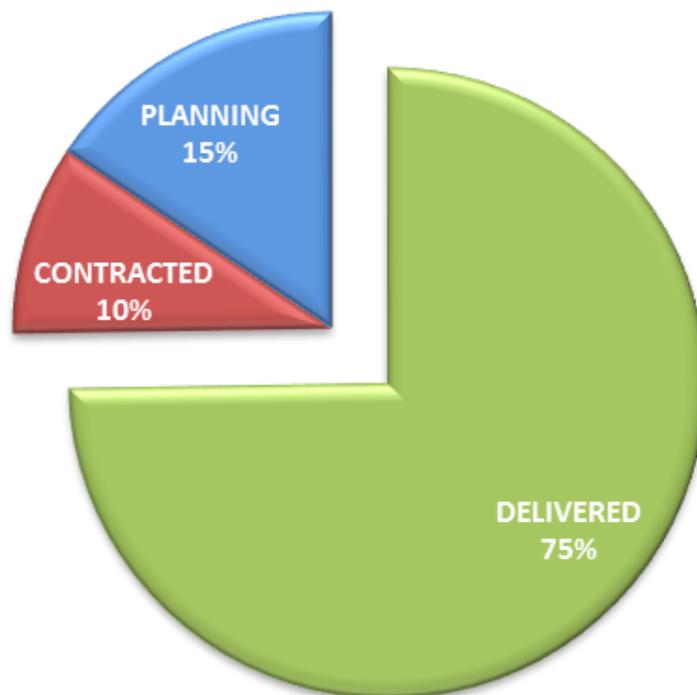
\$ 93 Million in Deliveries and Growing (Pre-Merida funds are NOT included).

Merida-funded NIIE will contribute to a formidable web of 350 systems linked to a national database to control Mexico's borders and points of entry.

Mérida Initiative NIIE Funds

Funding status

Delivered – Merida funds	\$ 93,141,021
Contracted – Merida funds	\$ 12,210,007
In Contracting Process & planned – Merida funds for NIIE infrastructure	\$ 19,148,972
Merida funds total	\$ 124,500,000
Pre-Merida funds	\$ 38,345,662
Total NIIE funds	\$ 162,845,662

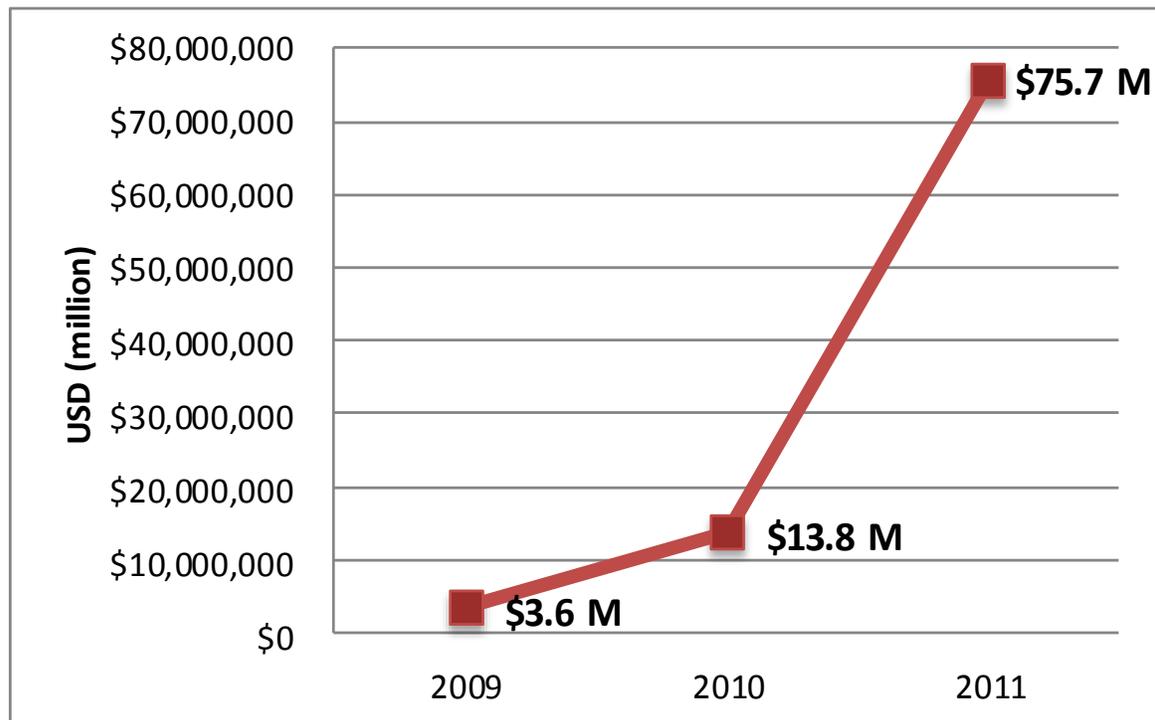


Mérida Initiative NIIE Funds

Funds by FY

FISCAL YEAR	FUNDS
2008	53,950,000
2009	58,050,000
2010	12,500,000
Total	\$ 124,500,000

NIIE Deliveries by CY



Merida Initiative-NIIE Equipment

Mobile X-Ray Van

To detect contraband found in commercial buses, light trucks and private vehicles along Mexico's highways .



Railroad Gamma Vehicle and Cargo Inspection System (VACIS)

To detect weapons and drugs in cargo containers transiting ports of entry. It allows trained technicians to view the contents of rail cars while they remain in motion .

Ion Scanner/Vapor Tracer

To detect chemicals and harmful gases.



X-Ray Luggage Inspection

To screen large luggage, parcels and boxes at airports, post offices and other government and commercial facilities. It has been implemented in Mexico at airports and different points of inspection.



Z Backscatter Van (“ZBV”)

Inspects light commercial and private vehicles for weapons, drugs, explosives, chemicals and illicit money in a matter of seconds either while in motion or in stationary mode.

Portal FullScan Vehicle and Cargo Inspection System (VACIS) – Cobalt 60 & Cesium 137

To scan vehicles and cargo for threats, contraband and other suspicious items at checkpoints and secure facilities with minimal impact on the flow of traffic



All-Terrain Vehicle and Cargo Inspection System (VACIS)

Thanks to its reliable gamma-ray imaging technology mounted on a rugged four-wheel-drive commercial pickup truck chassis, the all-terrain brings non-intrusive inspection capability wherever it is needed.



CT-30 Kit

To detect contraband hidden inside other objects.

At least \$80 million (including \$4 M with Pre-Merida funds) in NII equipment was delivered in 2011.

Contracts are in place for \$12.6 million.



M6500 X-Ray Vehicle and Cargo Inspection System (VACIS)

To search vehicles and cargo for concealed weapons, nuclear material and other contraband in a variety of locations

X-Ray Pallet

To screen pallet-size cargo containers at airports and seaports.



An Additional \$19 million will provide infrastructure, specialized training and remoting/interfase of NIIE operations to C4s.

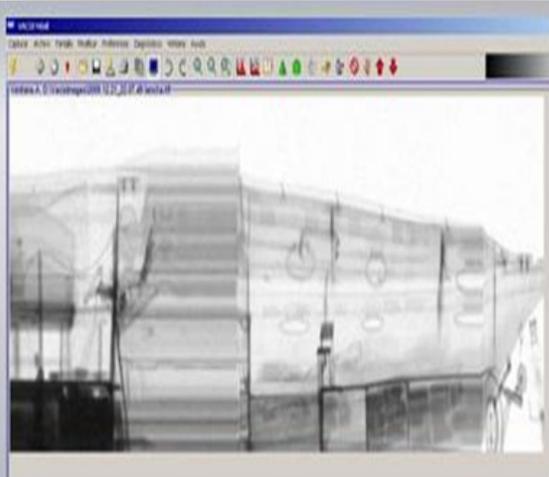
ACCOMPLISHMENTS

Joint operations



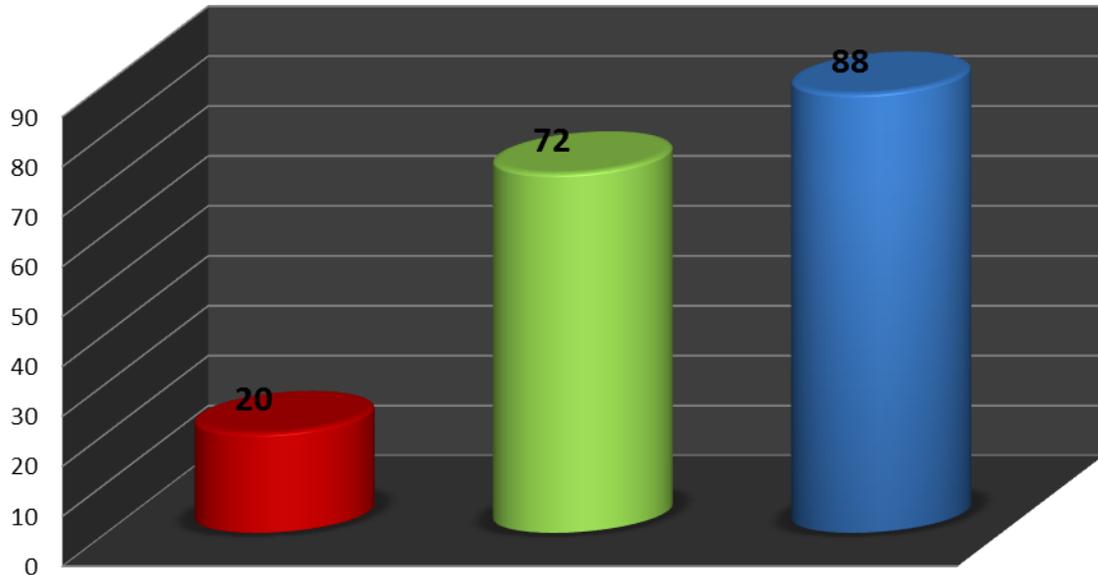
ACCOMPLISHMENTS

Seizures



ACCOMPLISHMENTS

SSP seizures



Jan - Dec 2009

Jan - Dec 2010

Jan - Dec 2011

(5) VACIS

(5) VACIS
(5) ZBV
(10) XIS

(5) VACIS
(5) ZBV
(10) XIS
(3) ATV

Joint training



ACCOMPLISHMENTS

Joint training—2011

AGENCY	CT-30	ZBF	ZBV	AT VACIS	POE	TOTAL
SAT	54	N/A	56	N/A		110
SSP	20	99	N/A	204	16	339
SEDENA	41	N/A	N/A	114	108	263
SEMAR	17	18	N/A	N/A	28	63
TOTAL	132	117	56	318	152	775

Joint training—Programmed 2012

AGENCY	AT VACIS (conjunto)	VACIS M6500	Portal VACIS	IP6500 VACIS	POE/ESR (conjunto)	Total
SAT		60	32	16	132	240
SSP	72	24			24	120
SEDENA	84					84
SEMAR						
Total	156	84	32	16	156	444

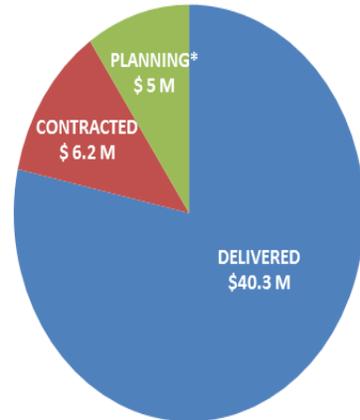


SAT/Customs

- 49 checkpoints (may contain more than one type of NIIE)
- **12 checkpoints** covered with Merida: 25 %
- Total NIIE Merida delivered: \$42 M

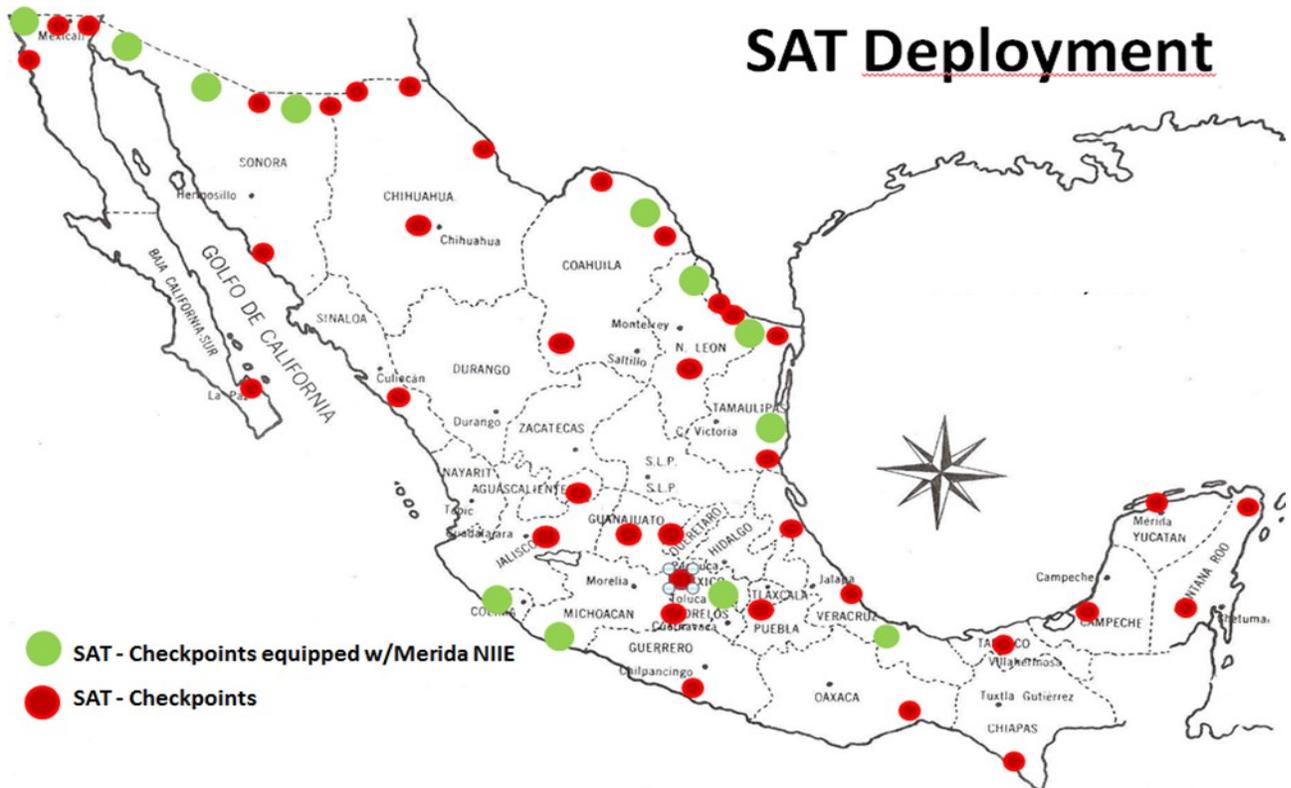
SAT - Merida funds \$51.5 M
(FY 08/09/10)

NIIE delivered	Quantity
Railroad VACIS	2
X-Ray ZBV	13
Portal FullScan VACIS - (2)Cobalt 60 & (2) Cesium 137	4
IP6500 X-Ray VACIS	2
M6500 X-Ray VACIS	3



NIIE contracted	Quantity
M6500 X-Ray VACIS	2

* Civil works and installation of fixed NIIE.



SEDENA

- 12 strategic checkpoints and 126 regional checkpoints (may contain more than one type of NIIE)
- **5 strategic checkpoints** covered with Merida: 7%
- Total NIIE Merida delivered: **\$15.7 M**
- Estimated NIIE required/unfunded: **\$30 M**

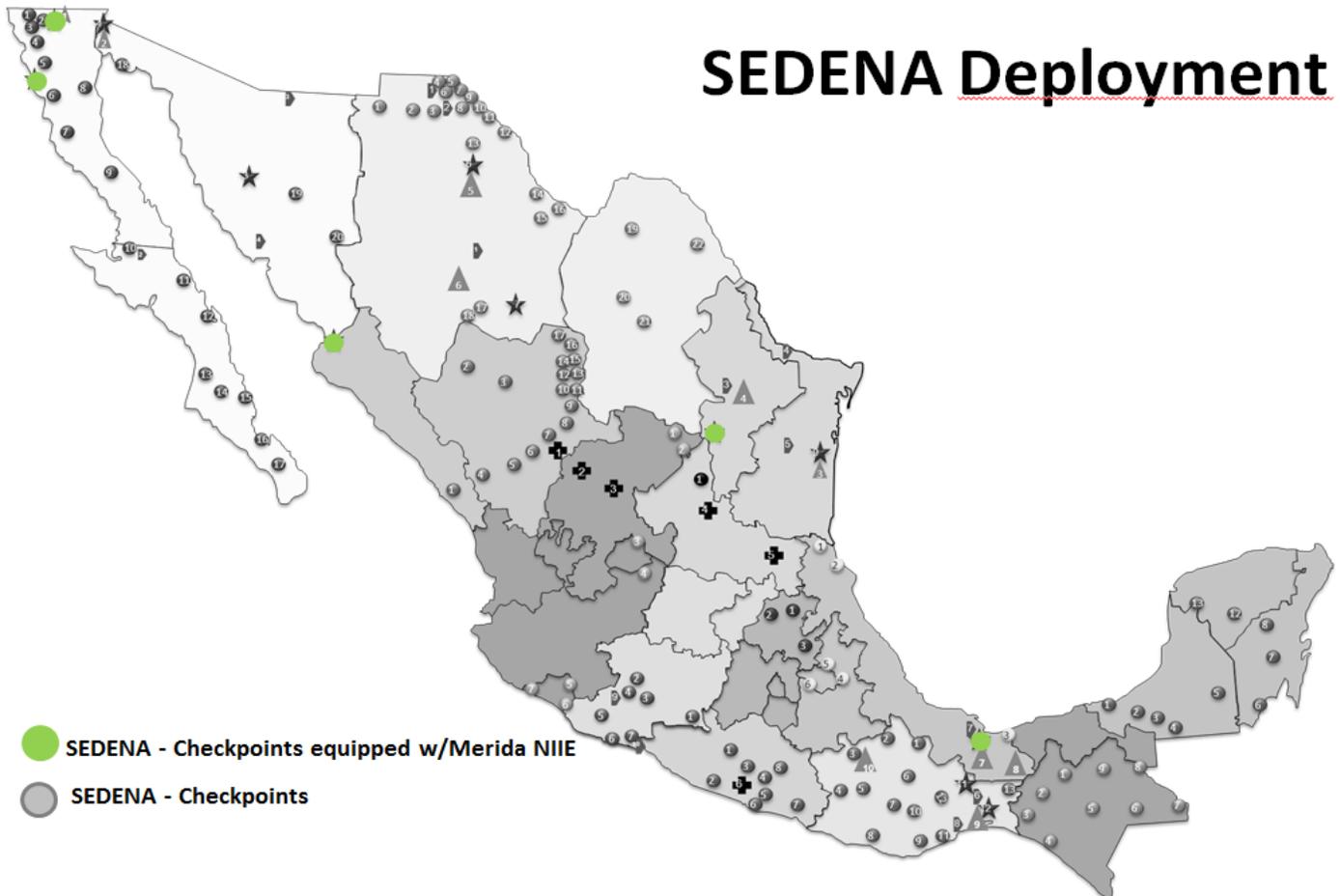
SEDENA - Merida funds \$16.5 (FY 09/10)



NIIE delivered	Quantity
All-Terrain VACIS	10

* Dosimeters and NIIE training.

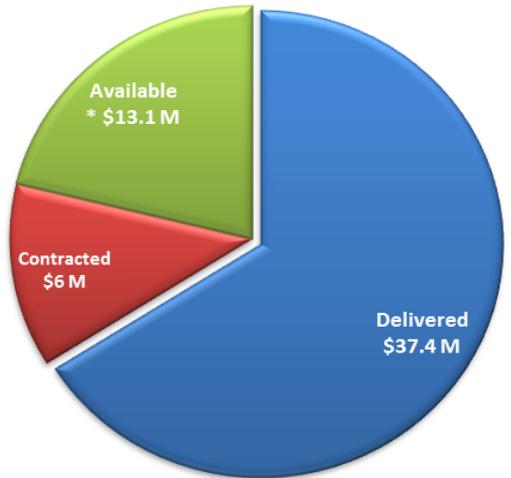
SEDENA Deployment



SSP

- 32 checkpoints (may contain more than one type of NIIE)
- **12 checkpoints** covered with Merida: 50 %
- Total NIIE Merida delivered: **\$37 M**
- Estimated NIIE required/unfunded: **\$35 M**

Merida Funds - \$ 56.5 M
FY 08/09/10

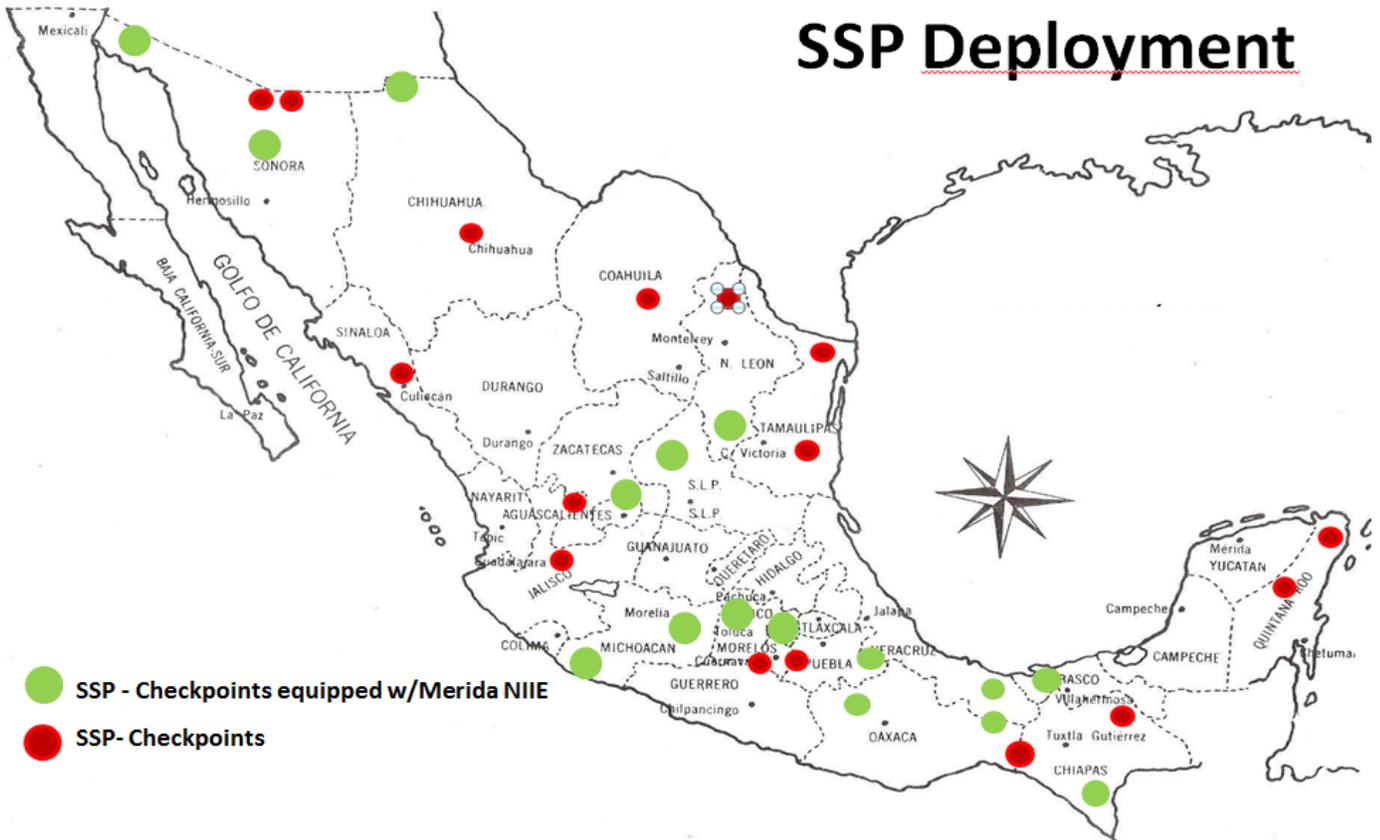


NIIE delivered	Quantity
All-Terrain VACIS	12
X- Ray minivans	10
X-Ray ZBVs	7
X-Ray ZBVs *Funded with Merida and Pre-Merida funds	5
X-Ray ZBFs	10

NIIE Contracted	Quantity
M6500 X-Ray VACIS	2

* Remote and interphase NIIE operations to C4; XIS maintenance; NIIE .

SSP Deployment



SEMAR

- 14 ports of entry (may contain more than one type of NIIE)
- **3 ports of entry** covered with Merida: **21 %**
- Total NIIE Pre-Merida delivered: **\$4.1 M**
- Estimated NIIE required/unfunded: **\$20 M**

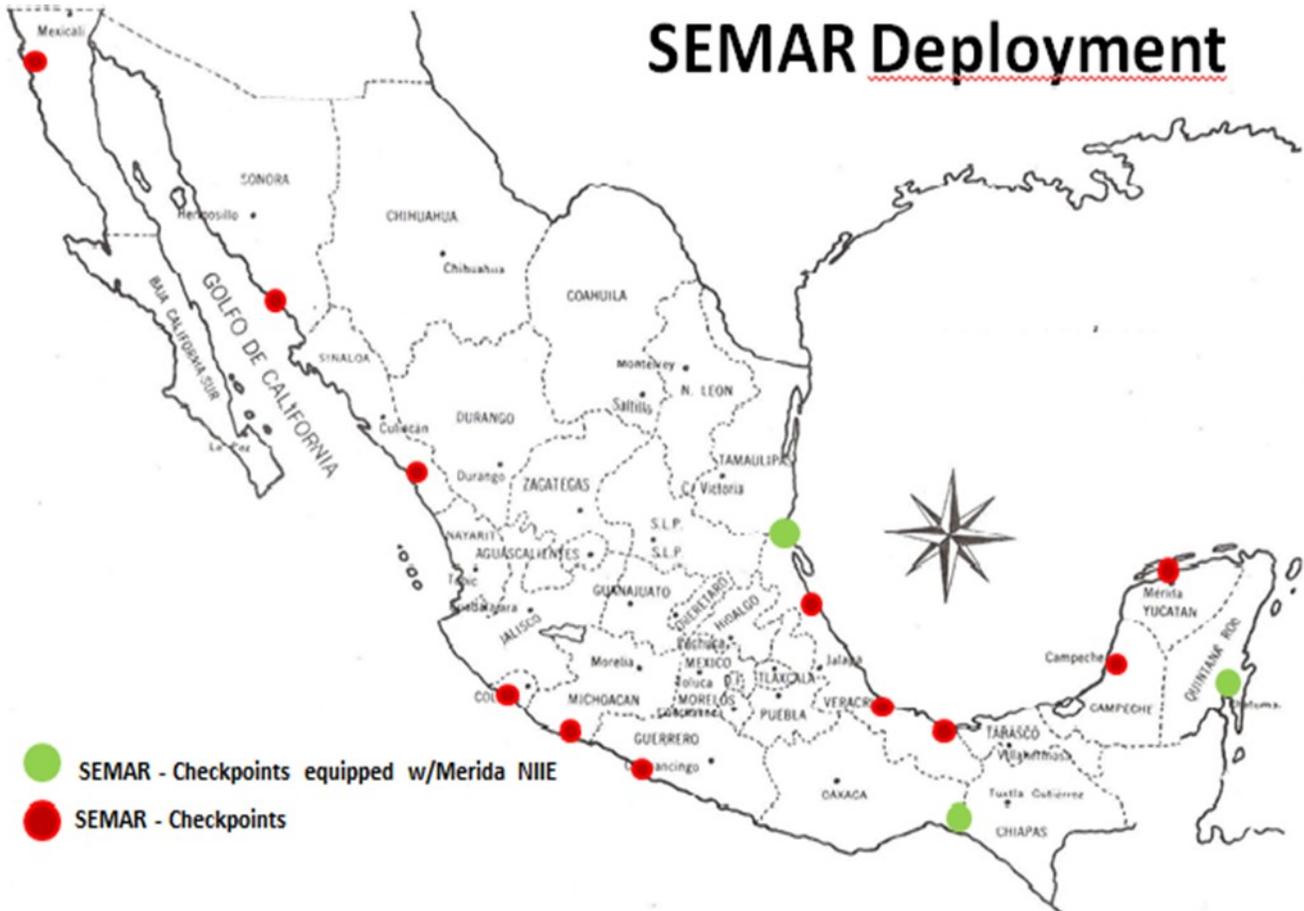
Pre-Merida funds - \$ 4.5 M
FY 06



NIIE Delivered	Quantity
X-Ray ZBFs	3

NIIE Contracted	Quantity
Armoured pick up	3

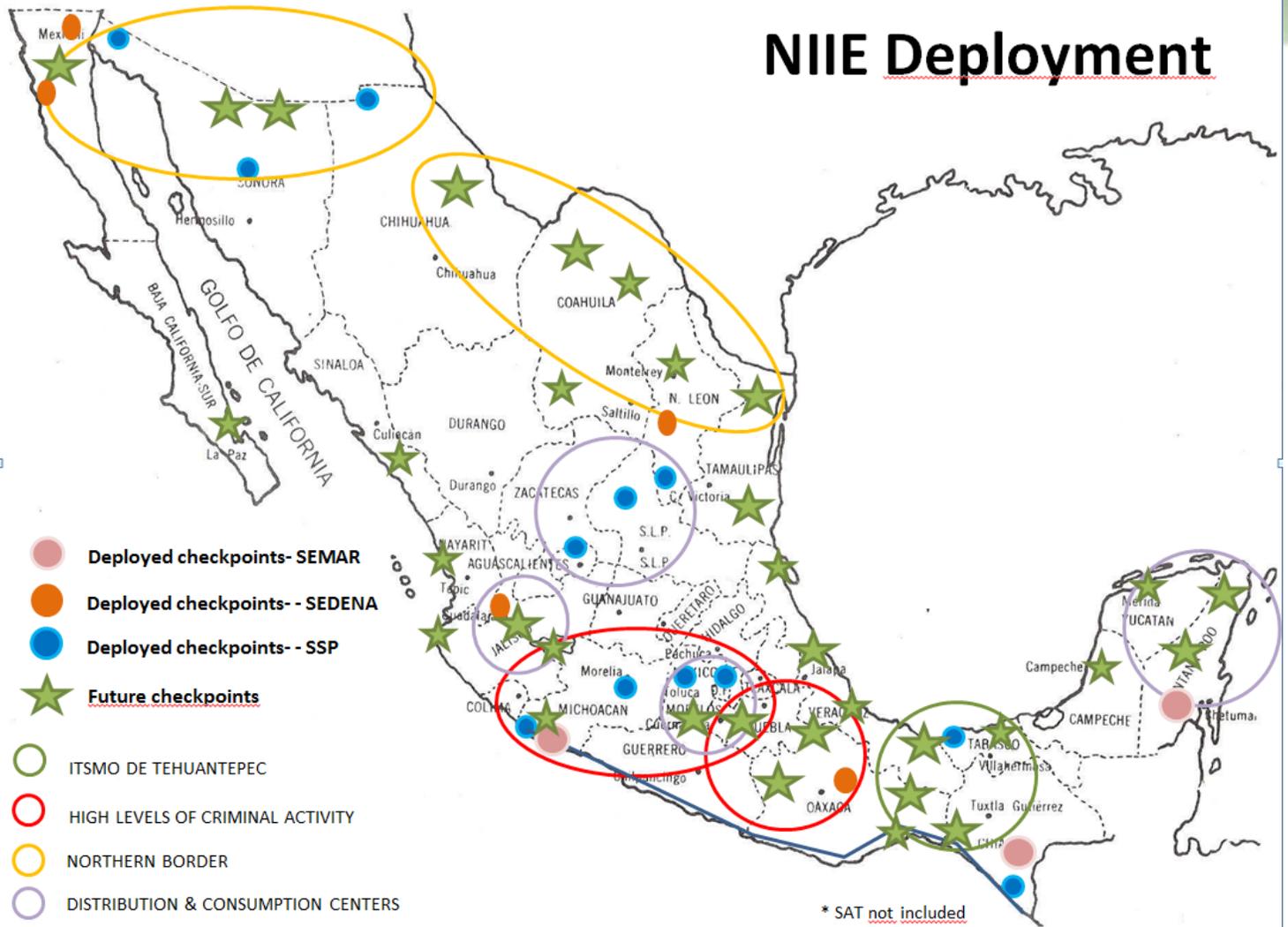
SEMAR Deployment



NIIE Deployment

www.buscate.com.mx

NIIE Deployment



Program Continuity

- Quality assurance and technical support
- Acquisition and evaluation of new technologies
- Constant program evaluation:
 - ◊ End-user monitoring
 - ◊ Performance evaluation

Performance evaluation matrix

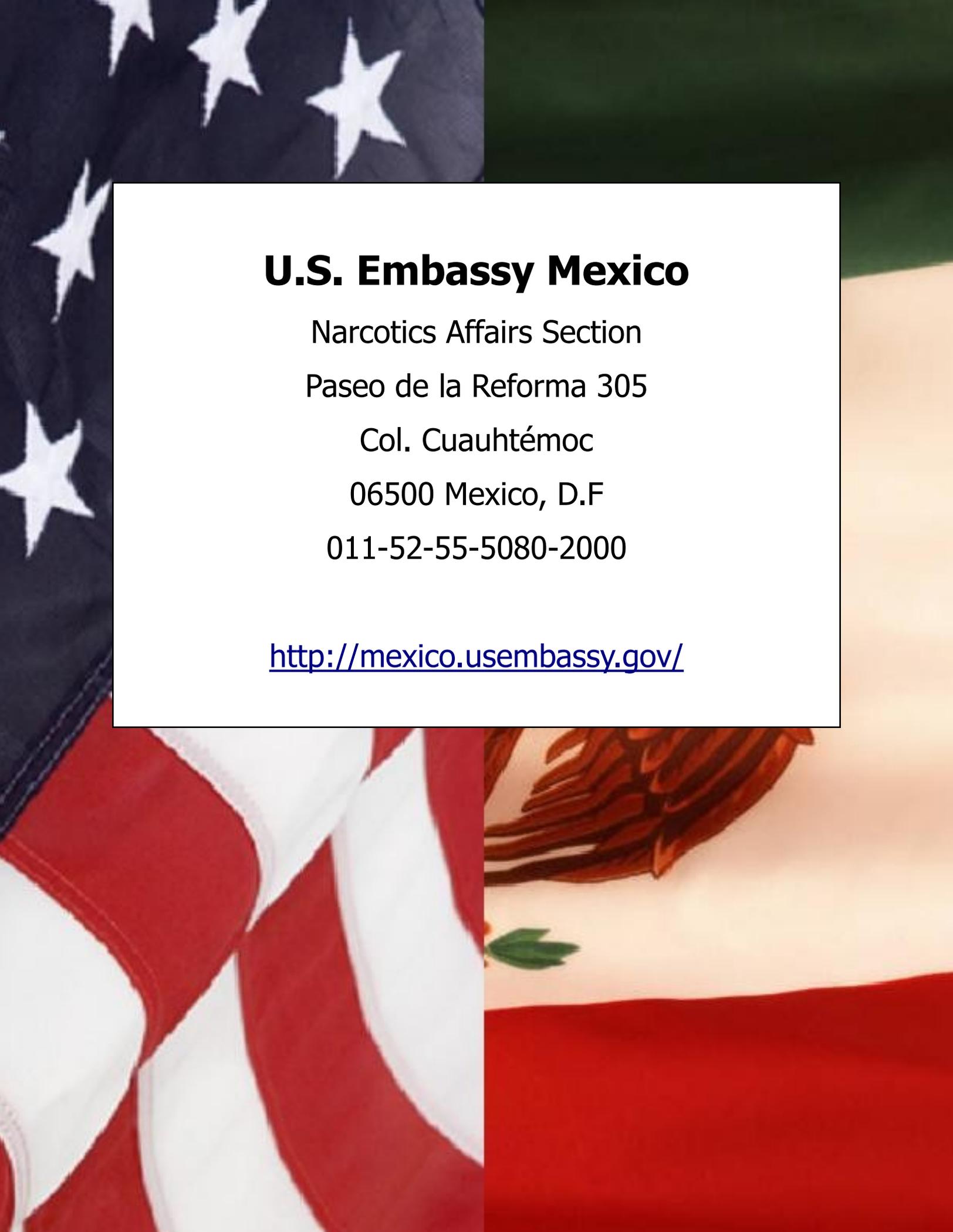
Checkpoint Date	NIE used	Cargo inspected Cont./Trailers/vehicles /Bus passenger.	Suspected cargo (2nd inspection)	Positive cargo/ seizures	Material/ Substance seized	Quantity / Pieces /Kg.
Querobabi 2 Feb 2012	(1) ZBV	50 trailers 150 containers 32,000 compact vehicles	5 trailers 15 containers 5,550 compact vehicles	1 trailer 2 compact vehicles	Marihuana Cristal	2 kgs. 900 gr.
Veracruz 8 Feb 2012	(2) ATV (1) ZBF	98 Bus passenger 398 containers	10 bus pass. 12 containers	1 bus passenger	dollars	\$150,000

- ◊ Technical performance of Merida NIE donated.
- ◊ Decrease in the average time for inspections using Merida NIE.
- ◊ Checkpoints covered with Merida NIE (total checkpoints, covered checkpoints)
- ◊ Trained personnel per Merida NIE donated.
- ◊ Percentage of port/airports/bus terminals covered with Merida NIE.

DELIVERED EQUIPMENT—MERIDA INITIATIVE				
Equipment	Quantity	Agency	Delivery date	Total amount
Rapiscan mobile X-Ray unit *	3	SAT	2004	\$ 348,750
Portal VACIS *	7	SAT	2006	\$ 8,436,638
Portal VACIS *	5	SAT	2004	\$ 5,673,540
Railroad VACIS *	1	SAT	2004	\$ 1,825,000
Civil works - portals *	-	SAT	2004	\$ 570,297
Pallet cargo (SAIC) *	1	SAT	2004	\$ 1,338,000
Ion scanners	30	SEDENA	September, 2009	\$ 1,100,000
X- Ray minivans	10	SSP	December, 2009	\$ 1,482,380
Railroad VACIS	2	SAT	Sept. - Nov, 2010	\$ 3,550,000
X-Ray ZBVs	11	(3) SAT	October, 2010	\$ 3,000,000
		(8) SAT	February, 2011	\$ 8,242,457
X-Ray ZBVs	7	SSP	December, 2010	\$ 7,255,467
X-Ray ZBVs **	5	SSP	August, 2009	\$ 1,000,000
X-Ray ZBVs *	10	SAT	January, 2009	\$ 9,459,008
CT- 30 Detection Kits *	68	SAT	December, 2008	\$ 1,151,119
Vapor Tracer *	15	SAT	August, 2008	\$ 417,503
X- Ray units for luggage inspection *	35	SAT	January, 2009	\$ 1,142,159
Roller tables for 35 x-ray units (Astrophysics) *	70	SAT	January 2009	\$ 74,134
Van for luggage inspection *	1	SAT	April , 2008	\$ 156,988
X-Ray ZBVs **	5	SSP	August, 2009	\$ 3,700,000
X-Ray Pallet *	1	SAT	February, 2011	\$ 66,445
CT- 30 Detection Kits	100	SAT	May, 2011	\$ 1,577,586
X-Ray ZBVs	2	SAT	May, 2011	\$ 2,072,276
X-Ray ZBVs *	3	SEMAR	May, 2011	\$ 3,265,005
All-Terrain VACIS	12	SSP	June, 2011	\$ 15,747,019
Safety equipment *	68	SEMAR	June, 2011	\$ 515,547
Software Smiths Detection	6	SEDENA	June, 2011	\$ 30,159
CT- 30 Detection Kits	20	SSP	July, 2011	\$ 351,747
CT- 30 Detection Kits	32	SEDENA	July, 2011	\$ 532,292
CT- 30 Detection Kits	3	SEDENA	July, 2011	\$ 57,258
CT- 30 Detection Kits *	10	SEMAR	July, 2011	\$ 177,392
X-Ray ZBVs	4	SSP	July, 2011	\$ 4,473,566
Surveillance cameras	12	SEDENA	August, 2011	\$ 87,397
Tunnel safety equipment	1	SSP	August, 2011	\$ 132,913
X-Ray ZBVs	6	SSP	September, 2011	\$ 6,600,000
All-Terrain VACIS	10	SEDENA	October, 2011	\$ 13,122,516
Technical assistance	-	SSP/SAT/SEDENA	October, 2011	\$ 976,958
Technical assistance *	-	SEMAR	October, 2011	\$ 20,382
Portal FullScan VACIS-Cob 60 & Ces-137	4	SAT	December 5, 2011	\$ 6,002,240
IP6500 X-Ray VACIS	1	SAT	December 5, 2011	\$ 3,230,000
Ion chamber survey meter	24	SAT	December 5, 2011	\$ 62,040
Ion chamber survey meter	10	SEDENA	December 13, 2011	\$ 25,850
Surveillance equipment	1	SEDENA	December 13, 2011	\$ 163,220
Ion chamber survey meter *	3	SEMAR	December 22, 2011	\$ 7,755
IP6500 X-Ray VACIS	1	SAT	December 27, 2011	\$ 3,167,962
M6500 X-Ray VACIS	3	SAT	December 30, 2011	\$ 9,000,000
Ion Chamber Survey Meter	36	SSP	February 2012	\$ 98,558
* Pre-Merida funds			TOTAL	\$ 131,487,523
** Equipment (5 ZBV) funded with Merida (\$1 M) and Pre-Merida funds (\$3.7M)				

<u>ORDERED/CONTRACTED EQUIPMENT - MERIDA INITIATIVE</u>				
Equipment	Qty	Agency	Estimated delivery date	Total amount
M6500 X-Ray VACIS	2	SAT	April ,2012	\$ 6,210,007
M6500 X-Ray VACIS	2	SSP	April, 2012	\$ 6,000,000
Armored vehicles *	3	SEMAR	February, 2012	\$ 583,380
*Pre-Merida funds			TOTAL	\$12,793,987

<u>EQUIPMENT IN CONTRACTING PROCESS- MERIDA INITIATIVE</u>				
Equipment	Qty	Agency	Estimated delivery date	Total amount
Preventive/corrective maintenance to X-Ray minivan	10	SSP	April 2012	\$ 100,000
UPS – surveillance system	6	SEDENA	June 2012	\$ 9,000
Civil works and installation of NIIE portals*	6	SAT	September 2012	\$ 3,600,000
Interfase with SSP Bunker to remote NIIE operations *	1	SSP	February 2013	\$ 11,117,039
Tactical Packages *	1	SSP	January 2013	\$ 1,000,000
Non-Intrusive equipment	TBD	SAT	March 2013	\$ 1,400,000
Tactical Packages	3	SEMAR	January 2013	\$ 264,000
Database and link analysis for tracking illegal weapons and explosives	1	PGR	May 2012	\$ 162,000
Remote NIIE Ops to C4	-	MULTI	2013	\$ 1,200,000
Quality and technical support team	1	MULTI	2012	\$ 100,000
*Complemented with Pre-Merida funds			TOTAL	\$ 20,143,039



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