

2011-2014

US HLS-HLD Markets



***US HLS-HLD
Markets
2011 – 2014***

Short Table of Contents

Part I.	Introduction	63
Part II.	Executive Summary	66
Part III.	Market Analysis	95
Part IV.	State & Local HLS Market	104
Part V.	Private Sector HLS Market	166
Part VI.	Homeland Defense (HLD) Market	228
Part VII.	Counter-Terror (CT) Intelligence Community Market	278
Part VIII.	Federal HLS Market	293
Part IX.	Market by Sectors	711

Table of Contents

PART I. INTRODUCTION	63
1 Scope	63
1.1 Interplay Between HLS and HLD.....	64
2 The Report Scenario	64
3 Terms of Reference.....	65
PART II. EXECUTIVE SUMMARY	66
4 Key Findings and Conclusions.....	66
4.1 Common Misconceptions	70
4.2 Impact of Recent Economic Turmoil.....	72
5 US HLS-HLD Organization	73
6 US HLS-HLD Funding and Markets Overview	75
6.1 US HLS-HLD Outlay by Funding Source - 2011-2014.....	75
6.2 US HLS-HLD Market by "Demand Side" Sector - 2011-2014.....	78
7 Federal HLS Funding and Markets	81
7.1 Federal HLS Funding by Department – 2011-2014.....	81
7.2 Federal HLS Market by Department – 2011-2014.....	83
7.3 Federal HLS Funding by Mission Activity – 2011-2014	85
8 State and Local HLS Funding and Markets	88

8.1	Key Findings.....	88
8.2	State and Local HLS Funding - 2011-2014	89
8.3	State and Local HLS Market - 2011-2014	90
9	Private Sector HLS Funding and Market - 2011-2014.....	92
 PART III. MARKET ANALYSIS		95
10	HLS-HLD Vendor – Client Relationship.....	95
11	US HLS-HLD Market Drivers	98
12	US HLS-HLD Market Inhibitors	100
13	HLS- HLD Market: SWOT Analysis	101
14	HLS-HLD Market: Competitive Analysis	102
15	HLS-HLD Market Dynamics.....	103
 PART IV. STATE & LOCAL HLS MARKET		104
16	State and Local HLS Funding Larger Than the DHS.....	104
17	State and Local HLS Missions	105
18	State and Local HLS Funding - 2011-2014	107
19	Federal HLS Grants - 2011-2014	111
20	Federally Funded State and Local HLS Programs: Funding & Market - 2011-2014.....	116
20.1	Overview	116
20.2	Programs: Funding & Market.....	116
20.2.1	State Homeland Security Grant Program	116
20.2.2	Urban Areas Security Initiative (UASI) Program	117
20.2.3	Operation Stonegarden (OPSG).....	117
20.2.4	Metropolitan Medical Response System (MMRS) Program.....	118
20.2.5	Citizen Corps Program (CCP)	118
20.2.6	Nonprofit Security Grant Program (NSGP)	118
20.2.7	Emergency Management Performance Grants (EMPG).....	118
20.2.8	Interoperable Emergency Communications Grant Program (IECGP)	119
20.2.9	Regional Catastrophic Preparedness Grant Program (RCPGP)	119
20.2.10	Emergency Operations Center (EOC) Grant Program.....	120
20.2.11	Driver's License Security Grant Program (DLSGP)	120
20.2.12	Buffer Zone Protection Program (BZPP)	120
20.2.13	Freight Rail Security Grant Program (FRSGP)	121

20.2.14	Intercity Passenger Rail (Amtrak)	121
20.2.15	Port Security Grant Program (PSGP)	121
20.2.16	Intercity Bus Security Grant Program (IBSGP)	122
20.2.17	Border Interoperability Demonstration Project (BIDP) Program.....	122
20.2.18	Assistance to Firefighters Grants Program	123
20.2.19	National Domestic Preparedness Consortium	123
20.2.20	Interoperable Emergency Communication Grant Program (IECGP)	124
21	Consolidated Federal, State and Local HLS Funding - 2011-2014.....	125
22	State and Local HLS Market Drivers.....	129
23	State and Local Market Inhibitors.....	130
24	State and Local Market SWOT Analysis.....	130
25	State and Local Market Competitive Analysis.....	132
26	State and Local Market Dynamics	133
27	State and Local Consolidated HLS Market - 2011-2014.....	134
28	Primary Cities HLS Markets	138
29	States Markets - 2011-2014	139
29.1	Arizona HLS Markets.....	139
29.1.1	HLS Programs & Business Opportunities	139
29.1.2	HLS Funding & Markets - 2011-2014	139
29.2	California HLS Markets - 2011-2014	140
29.2.1	HLS Programs & Business Opportunities	140
29.2.2	HLS Funding & Markets - 2011-2014	140
29.3	Colorado HLS Markets - 2011-2014	141
29.3.1	HLS Programs & Business Opportunities	141
29.3.2	HLS Funding & Markets - 2011-2014	141
29.4	District of Columbia HLS Markets - 2011-2014	142
29.4.1	HLS Programs & Business Opportunities	142
29.4.2	HLS Funding & Markets - 2011-2014	142
29.5	Florida HLS Markets - 2011-2014.....	143
29.5.1	HLS Programs & Business Opportunities	143
29.5.2	HLS Funding & Markets - 2011-2014	143
29.6	Georgia HLS Markets-2011-2014.....	144
29.6.1	HLS Programs & Business Opportunities	144
29.6.2	HLS Funding & Markets - 2011-2014	144
29.7	Hawaii Markets - 2011-2014.....	145
29.7.1	HLS Programs & Business Opportunities	145
29.7.2	HLS Funding & Markets-2011-2014	145
29.8	Illinois HLS Markets - 2011-2014	146
29.8.1	HLS Programs & Business Opportunities	146
29.8.2	HLS Funding & Markets- 2011-2014	146
29.9	Indiana HLS Markets - 2011-2014.....	147
29.9.1	HLS Programs & Business Opportunities	147

29.9.2 HLS Funding & Markets - 2011-2014	147
29.10 Kentucky HLS Markets - 2011-2014.....	148
29.10.1 HLS Programs & Business Opportunities	148
29.10.2 HLS Funding & Markets - 2011-2014	148
29.11 Louisiana HLS Markets - 2011-2014	149
29.11.1 HLS Programs & Business Opportunities	149
29.11.2 HLS Funding & Markets - 2011-2014	149
29.12 Maryland HLS Markets - 2011-2014.....	150
29.12.1 HLS Programs & Business Opportunities	150
29.12.2 HLS Funding & Markets - 2011-2014	150
29.13 Massachusetts Markets - 2011-2014.....	151
29.13.1 HLS Programs & Business Opportunities	151
29.13.2 HLS Funding & Markets - 2011-2014	151
29.14 Michigan HLS Markets - 2011-2014	152
29.14.1 HLS Programs & Business Opportunities	152
29.14.2 HLS Funding & Markets - 2011-2014	152
29.15 Minnesota HLS Markets - 2011-2014.....	153
29.15.1 HLS Programs & Business Opportunities	153
29.15.2 HLS Funding & Markets - 2011-2014	153
29.16 Missouri HLS Markets - 2011-2014	154
29.16.1 HLS Programs & Business Opportunities	154
29.16.2 HLS Funding & Markets - 2011-2014	154
29.17 North Carolina HLS Markets - 2011-2014	155
29.17.1 HLS Programs & Business Opportunities	155
29.17.2 HLS Funding & Markets - 2011-2014	155
29.18 Nevada HLS Markets - 2011-2014	156
29.18.1 HLS Programs & Business Opportunities	156
29.18.2 HLS Funding & Markets - 2011-2014	156
29.19 New Jersey HLS Markets - 2011-2014.....	157
29.19.1 HLS Programs & Business Opportunities	157
29.19.2 HLS Funding & Markets - 2011-2014	157
29.20 New York HLS Markets - 2011-2014.....	158
29.20.1 HLS Programs & Business Opportunities	158
29.20.2 HLS Funding & Markets - 2011-2014	158
29.21 Ohio HLS Markets - 2011-2014.....	159
29.21.1 HLS Programs & Business Opportunities	159
29.21.2 HLS Funding & Markets - 2011-2014	159
29.22 Oregon HLS Markets - 2011-2014.....	160
29.22.1 HLS Programs & Business Opportunities	160
29.22.2 HLS Funding & Markets - 2011-2014	160
29.23 Pennsylvania HLS Markets - 2011-2014	161
29.23.1 HLS Programs & Business Opportunities	161
29.23.2 HLS Funding & Markets - 2011-2014	161
29.24 Tennessee HLS Markets - 2011-2014.....	162
29.24.1 HLS Programs & Business Opportunities	162
29.24.2 HLS Funding & Markets - 2011-2014	162
29.25 Texas HLS Markets - 2011-2014.....	163
29.25.1 HLS Programs & Business Opportunities	163

29.25.2	HLS Funding & Markets - 2011-2014	163
29.26	Washington HLS Markets - 2011-2014.....	164
29.26.1	HLS Programs & Business Opportunities	164
29.26.2	HLS Funding & Markets - 2011-2014	164
29.27	Wisconsin HLS Markets - 2011-2014	165
29.27.1	HLS Programs & Business Opportunities	165
29.27.2	HLS Funding & Markets - 2011-2014	165
PART V. PRIVATE SECTOR HLS MARKET.....		166
30	Scope and Background	166
31	The Government and Private Sector Critical Infrastructure Database	169
32	Private Sector HLS Market Segments	171
33	Market Drivers	174
34	Market Inhibitors	174
35	SWOT Analysis	175
36	Market: Competitive Analysis	176
37	Market Dynamics	177
38	Market by Industry – 2011-2014	178
38.1	Private Sector HLS Spending by Industry – 2011-2014	178
39	Private Sector HLS Market by Industry – 2011-2014.....	180
39.1	Overview	180
39.2	Banking & Finance – HLS Market – 2011-2014	182
39.2.1	Market Definition.....	182
39.2.2	Market Analysis	182
39.2.3	Operational/Security Risks	184
39.2.4	Business Continuity	184
39.2.5	Securities Industry	184
39.2.6	Market Structure	185
39.2.7	Market Drivers	185
39.2.8	Market Inhibitors	185
39.2.9	Market Characteristics	186
39.2.10	Market Forecast – 2011-2014.....	187
39.3	Water Infrastructure – HLS Market – 2011-2014.....	187
39.3.1	Market Definition.....	187
39.3.2	Market Analysis	188
39.3.3	Responses to Terror-Related Security Concerns	188
39.3.4	Market Structure	189
39.3.5	Market Drivers	190
39.3.6	Market Inhibitors	190
39.3.7	Market Characteristics	190
39.3.8	Market Forecast - 2011-2014.....	191
39.4	Electric Power Industry – HLS Market – 2011-2014.....	192

39.4.1	Market Definition.....	192
39.4.2	Market Analysis	192
39.4.3	Market Structure	193
39.4.4	Market Drivers	193
39.4.5	Market Inhibitors	193
39.4.6	Market Characteristics	193
39.4.7	Market Forecast - 2011-2014.....	194
39.5	Civil Nuclear Power Industry – HLS Market – 2011-2014.....	195
39.5.1	Market Definition.....	195
39.5.2	Risk of Terror.....	195
39.5.3	Market Structure	196
39.5.4	Market Drivers	196
39.5.5	Market Inhibitors	197
39.5.6	Market Characteristics	197
39.5.7	Market Forecast - 2011-2014.....	198
39.6	Petrochemical & HAZMAT Industry – HLS Market – 2011-2014	199
39.6.1	Market Definition:.....	199
39.6.2	Market Analysis:	199
39.6.3	Market Structure	200
39.6.4	Market Drivers	201
39.6.5	Market Inhibitors	201
39.6.6	Market Characteristics	201
39.6.7	Market Forecast - 2011-2014.....	203
39.7	Defense Industrial Base – HLS Market Forecast – 2011-2014.....	204
39.7.1	Market Structure	204
39.7.2	Market Drivers	204
39.7.3	Market Inhibitors	204
39.7.4	Market Characteristics	204
39.7.5	Market Forecast - 2011-2014.....	206
39.8	Information Technology Industry – HLS Market – 2011-2014	207
39.8.1	Market Structure	207
39.8.2	Market Drivers	207
39.8.3	Market Inhibitors	207
39.8.4	Market Characteristics	207
39.8.5	Market Forecast - 2011-2014.....	209
39.9	Transportation Industry – HLS Market – 2011-2014.....	210
39.9.1	Market Definition.....	210
39.9.2	Market Structure	210
39.9.3	Market Drivers	210
39.9.4	Market Inhibitors	211
39.9.5	Market Characteristics	211
39.9.6	Market Forecast - 2011-2014.....	212
39.10	Postal & Shipping Industry – HLS Market – 2011-2014.....	213
39.10.1	Market Structure	213
39.10.2	Market Drivers	213
39.10.3	Market Inhibitors	213
39.10.4	Market Characteristics	214
39.10.5	Market Forecast - 2011-2014.....	215

39.11	Other Industry Sectors.....	216
39.11.1	Market Characteristics	216
39.11.2	Market Forecast - 2011-2014.....	217
40	Private Sector HLS Market by Security Activity – 2011-2014.....	218
40.1	Summary	218
40.2	Security Activities and Related Private Sector Markets	220
40.2.1	Employee & Visitors ID – Private Sector HLS Market - 2011-2014	220
40.2.2	Explosives & Weapons Screening – Private Sector HLS Market - 2011-2014	221
40.2.3	Perimeter Protection – Private Sector HLS Market - 2011-2014.....	223
40.2.4	Cyber-Terror & IT Security – Private Sector HLS Market - 2011-2014	224
40.2.5	Guard Services – Private Sector HLS Market – 2011-2014.....	226
40.2.6	Other Market Segments - 2011-2014	227
PART VI. HOMELAND DEFENCE (HLD) MARKET		228
41	Scope	228
42	HLS-HLD Interplay	228
43	DOD HLD Missions and Organizations	231
43.1	The Northern Command (NORTHCOM)	232
43.1.1	Northern Command's HLD Missions.....	234
43.1.2	NORTHCOM's Civil Support Missions.....	236
44	DOD's Structure for Interagency Coordination of HLD & Civil Support Missions.....	239
45	DOD HLD Missions	241
46	2011-2014 HLD Market Background	243
47	Enabling DOD HLD Capabilities	245
48	HLS-HLD National Response Plan.....	245
49	HLS-HLD CBRNE Consequence Management	248
49.1	HLD Airspace Alert Operations	251
50	DOD & DOE HLD Nuclear Weapons Security Programs & Markets.....	252
50.1	Overview	252
50.2	Programs & Markets.....	253
50.2.1	Air Force Nuclear Weapons Security: Military Personnel Program & Market - 2011-2014	254
50.2.2	Air Force Nuclear Weapons Security: Weapons Procurement Program & Market - 2011-2014	255

50.2.3	Air Force Nuclear Weapons Security: Operations & Equipment Maintenance Program & Market - 2011-2014.....	256
50.2.4	Air Force Nuclear Weapons Security: Construction Program & Market-2011-2014	257
50.2.5	Air Force Nuclear Weapons Security: Other Programs & Markets - 2011-2014.....	258
50.2.6	Navy Nuclear Weapons Security: Operations & Systems Maintenance Program & Market - 2011-2014	259
50.2.7	Navy Nuclear Weapons Security: Construction Program & Market - 2011-2014	260
50.2.8	Navy Nuclear Weapons Security: Navy & Marine Corps Manpower Program & Market - 2011-2014.....	261
50.2.9	Navy Nuclear Weapons Security: Other Programs & Markets - 2011-2014.....	262
50.2.10	Navy Nuclear Weapons Security: Weapons Procurement Program & Market - 2011-2014	263
50.2.11	OST Nuclear Weapons Security: Mission Capacity Program & Market -2011-2014	264
50.2.12	OST Nuclear Weapons Security: Program Management Program & Market - 2011-2014	265
50.2.13	OST Nuclear Weapons Security: Security Infrastructure Program & Market - 2011-2014	266
50.2.14	OST Nuclear Weapons Security: Security & Safety Capability Program & Market - 2011-2014.....	267
50.2.15	Pantex Nuclear Weapons Security: Security Personnel Program & Market - 2011-2014	268
50.2.16	Pantex Nuclear Weapons Security: Physical Security Program & Market - 2011-2014	269
50.2.17	Pantex Nuclear Weapons Security: Other Program & Market - 2011-2014	270
51	HLD Market Drivers.....	271
52	HLD Market Inhibitors.....	272
53	HLD Market SWOT Analysis.....	273
54	HLD Market Competitive Analysis.....	274
55	HLD Market Dynamics	275
56	The US HLD Consolidated Spending and Market - 2011-2014	276
PART VII. COUNTER-TERROR INTELLIGENCE COMMUNITY MARKET		278
57	Scope	278
58	Counter-Terror Intelligence.....	279
59	Intelligence Community IT	283
59.1	Managerial & Meta Systems Operation IT	284

60	Business Opportunities and Challenges	285
61	Market Overview	286
62	Sub- Market Business Opportunities	287
63	Market Drivers	288
64	Market Inhibitors	288
65	Market SWOT Analysis	289
66	Market Competitive Analysis	290
67	Market Dynamics	291
68	Counter-Terror Intelligence Market - 2011-2014	292
 PART VIII. FEDERAL HLS MARKET		293
69	Department of Homeland Security (DHS)	293
69.1	DHS Background.....	293
69.2	DHS Agencies and Units	294
69.3	DHS Consolidated Markets – 2011-2014	296
69.3.1	Summary Outlook	296
69.3.2	DHS Market by Agency - 2011-2014	298
70	DHS - Transportation Security Administration (TSA)	301
70.1.1	TSA Background.....	301
70.2	TSA – Agencies and Units.....	302
70.3	TSA Sub-Markets by Programs	303
70.3.1	Screening Partnership Program & Market - 2011-2014	303
70.3.2	Passenger and Baggage Screening Program & Market - 2011-2014	304
70.3.3	Screening Training Program & Market - 2011-2014	305
70.3.4	Passengers Checkpoint Support Program & Market - 2011-2014	307
70.3.5	EDS and ETD Procurement and Installation Program & Market - 2011-2014	310
70.3.6	Screening Technology Maintenance & Utilities Program & Market - 2011-2014	313
70.3.7	Aviation Regulation and Other Enforcement Program & Market - 2011-2014	317
70.3.8	Regulatory Inspection and Enforcement Program - 2011-2014.....	318
70.3.9	International Program - 2011-2014.....	318
70.3.10	Repair Station Inspection Program - 2011-2014.....	319
70.3.11	Airport Law Enforcement & Assessments Program - 2011-2014	320
70.3.12	National Explosives Detection Canine Training Program & Market - 2011-2014 (NEDCTP)	320

70.3.13	Airport Management, IT, and Support Program & Market - 2011-2014	321
70.3.14	FFDO and Flight Crew Training Program & Market - 2011-2014	322
70.3.15	Air Cargo Program & Market - 2011-2014	324
70.3.16	Air Cargo Security Policy Program - 2011-2014	326
70.3.17	Air Cargo Inspectors Program - 2011-2014	327
70.3.18	National Explosives Detection Canine Training Program - 2011-2014 (NEDCTP)	328
70.3.19	Surface Transportation Security Program & Markets - 2011-2014	328
70.3.20	Surface Transportation Security Staffing and Operations Market - 2011-2014	330
70.3.21	Surface Transportation Security Inspectors and Canines Program & Market - 2011-2014	332
70.3.22	Secure Flight Program & Market - 2011-2014	334
70.3.23	Transportation Worker Identification Credential (TWIC) Market - 2011-2014	336
70.3.24	Hazardous Materials Endorsement Threat Assessment Program & Market - 2011-2014 (HTAP)	338
70.3.25	Alien Flight Student Program & Market - 2011-2014 (AFSP)	339
70.3.26	Crew and Other Vetting Programs & Market - 2011-2014	340
70.3.27	Certified Cargo Screening Program & Market - 2011-2014	342
70.3.28	Large Aircraft Security Plan Program & Market - 2011-2014	343
70.3.29	Secure Identification Display Area Checks Program & Market - 2011-2014	344
70.3.30	Transportation Security Support Program & Market - 2011-2014	345
70.3.31	Federal Air Marshal Service Program & Market - 2011-2014	346
70.4	TSA – Emerging Technologies Systems and Prices	348
70.5	TSA Consolidated Market – 2011-2014.....	349
70.5.1	Summary	349
70.5.2	Market Drivers	349
70.5.3	Market Inhibitors	350
70.5.4	TSA Funding and Market - 2011-2014.....	351
71	DHS - US Customs & Border Protection (CBP)	352
71.1	CBP Background	352
71.2	CBP – Agencies & Units	354
71.3	CBP Sub-Markets by Program	354
71.3.1	Secure Border Initiative Program & Market - 2011-2014	354
71.3.2	Inspection and Detection Technology Program & Market - 2011-2014	357
71.3.3	Systems for Targeting Program & Market - 2011-2014	358
71.3.4	C-TPAT Program & Market - 2011-2014	360

71.3.5	International Cargo Screening - CSI and SFI Programs & Market - 2011-2014	361
71.3.6	CSI.....	362
71.3.7	SFI.....	363
71.3.8	Other International Programs	365
71.3.9	Trusted Traveler Programs (TT) Program & Market - 2011-2014	367
71.3.10	NEXUS Highway and Air Program - 2011-2014	369
71.3.11	Secure Electronic Network for Traveler's Rapid Inspection (SENTRI) Program - 2011-2014	369
71.3.12	Free and Secure Trade (FAST) Program - 2011-2014	369
71.3.13	Global Entry Program - 2011-2014.....	370
71.3.14	Automated Commercial Environment (ACE) Program & Market - 2011-2014	370
71.3.15	Critical Operations Protection & Processing Support (COPPS) /TECS Modernization Program & Market - 2011-2014	372
71.3.16	Facility Construction and Sustainment.....	375
71.3.17	Air and Marine Interdiction Programs & Markets - 2011-2014.....	377
71.4	Inspection and Detection Technologies.....	378
71.4.1	Existing Technologies.....	378
71.4.2	Challenges.....	379
71.5	Business Opportunities.....	380
71.6	CBP Consolidated Markets – 2011-2014	382
71.6.1	Summary Outlook	382
71.6.2	Market Drivers	383
71.6.3	Market Inhibitors	383
71.6.4	CBP Funding and Market - 2011-2014	384
72	DHS - Federal Emergency Management Agency (FEMA)	385
72.1	FEMA Background	385
72.2	FEMA – Agencies & Units	386
72.3	FEMA Sub-Markets by Program.....	386
72.3.1	Operating Activities Programs & Market - 2011-2014.....	386
72.3.2	Public Support Program.....	387
72.3.3	Fire Management Support Grant Program (FMAGP)	387
72.3.4	Community Disaster Loan Program.....	387
72.3.5	Improvised Nuclear Device (IND) Response and Recovery Program.....	388
72.3.6	Pre-Positioned Equipment Program (PEP)	388
72.3.7	Nuclear/Radiological Incident Prevention Program (NRIPP)	388
72.3.8	Individual Support Programs (IA).....	388
72.3.9	Contingency Programs	389
72.3.10	National Capital Region Program & Market - 2011-2014.....	389
72.3.11	Urban Search and Rescue Program & Market - 2011-2014.....	390

72.3.12	State and Regional Preparedness Program & Market - 2011-2014	392
72.3.13	State HLS Program (SHSP) Market- 2011-2014	392
72.3.14	Firefighter Support Grants Program & Market - 2011-2014	394
72.3.15	Regional Catastrophic Preparedness Grant Program (RCPGP) Market - 2011-2014	395
72.3.16	Emergency Management Performance Grants (EMPG) Program & Market - 2011-2014	396
72.3.17	Metropolitan Statistical Area (MSA) Preparedness Program & Market - 2011-2014	396
72.3.18	Urban Area Security Initiative (UASI) Program & Market - 2011-2014	397
72.3.19	Rail & Transit Security Grant Program & Market - 2011-2014.....	398
72.3.20	Port Security Grant Program & Market - 2011-2014.....	400
72.3.21	Buffer Zone Protection Program & Market - 2011-2014.....	401
72.3.22	Training, Measurement, and Exercise Programs & Market - 2011-2014	402
72.3.23	National Exercise Program (NEP) Market - 2011-2014	403
72.3.24	Continuing Training Grants Program & Market - 2011-2014.....	404
72.3.25	Center for Domestic Preparedness Program & Market - 2011-2014	404
72.3.26	National Domestic Preparedness Consortium Program & Market - 2011-2014	405
72.3.27	Technical Support (TS) and Evaluation and Assessment Programs & Market - 2011-2014.....	407
72.3.28	Fire Administration Program & Market - 2011-2014.....	408
72.3.29	Radiological Emergency Preparedness Program & Market - 2011-2014	408
72.3.30	Pre-Disaster Mitigation Fund (PDM) Program - 2011-2014	409
72.3.31	Emergency Food and Shelter Program & Market - 2011-2014.....	410
72.3.32	Disaster Relief Fund Programs & Market - 2011-2014	411
72.3.33	Flood Hazard Mapping and Risk Analysis Program & Market - 2011-2014	412
72.3.34	National Flood Insurance Program (NFIP) Market - 2011-2014.....	413
72.3.35	Flood Mapping and Risk Analysis Program & Market - 2011-2014	414
72.4	FEMA Consolidated Markets – 2011-2014.....	416
72.4.1	Summary Outlook	416
72.4.2	FEMA Funding and Market - 2011-2014.....	417
73	DHS - US Immigration & Customs Enforcement (ICE).....	418
73.1	ICE Background	418
73.2	ICE – Agencies & Units	419
73.3	ICE Sub-Markets by Program.....	420
73.3.1	Visa Security Program & Market - 2011-2014	420

73.3.2	Criminal Alien Program & Market - 2011-2014	421
73.3.3	Transportation and Removal Program & Market - 2011-2014.....	422
73.3.4	Comprehensive Identification and Removal of Criminal Aliens Program & Market - 2011-2014.....	423
73.3.5	Automation Modernization Projects Program & Market - 2011-2014	425
73.3.6	Atlas Program & Market - 2011-2014	426
73.3.7	ICE Law Enforcement Systems Modernization Program & Market - 2011-2014	426
73.3.8	DRO Modernization (DROM) Program & Market - 2011-2014.....	428
73.3.9	Managed IT Investment Programs Market - 2011-2014	428
73.3.10	Investigations Programs Market - 2011-2014	430
73.3.11	Domestic Investigations Programs Market - 2011-2014	431
73.3.12	International Investigations Programs Market - 2011-2014	432
73.4	ICE Consolidated Funding and Markets – 2011-2014	434
73.4.1	Summary Outlook	434
73.4.2	Market Drivers	434
73.4.3	Market Inhibitors	435
73.4.4	ICE Consolidated Funding and Market - 2011-2014	435
74	DHS - US Coast Guard (USCG)	436
74.1	USCG Background.....	436
74.2	USCG – Agencies & Units.....	441
74.3	USCG Sub-Markets by Programs.....	442
74.3.1	USCG Near-term Program Initiatives.....	442
74.3.2	Major Programs Funding	443
74.3.4	Migrant Interdiction Program & Market - 2011-2014	444
74.3.5	Other Law Enforcement Measures Program & Market - 2011-2014	445
74.3.6	Ports, Waterways and Coastal Security (PWCS) Program & Market - 2011-2014	446
74.3.7	USCG Key Strategic Issues.....	447
74.4	USCG Consolidated Markets – 2011-2014	449
74.4.1	Summary Outlook	449
74.4.2	Market Drivers	449
74.4.3	Market Inhibitors	450
74.4.4	USCG Funding and Market - 2011-2014	450
75	DHS - US Secret Service (USSS)	451
75.1	USSS Background.....	451
75.2	USSS Sub-Markets by Programs	452
75.2.1	Major Operational Programs and Strategic Goals	452
75.2.2	Electronic Crimes Special Agent Program (ECSAP) Market - 2011-2014	452
75.2.3	Cross Cutting Initiatives	453
75.3	USSS Consolidated Markets – 2011-2014	456
75.3.1	Summary Outlook	456

75.3.2	Market Drivers	456
75.3.3	Market Inhibitors	456
75.3.4	USSS Funding and Market - 2011-2014.....	457
76	DHS - Science & Technology Directorate (S&T).....	458
76.1	S&T Background	458
76.2	S&T - Agencies & Units	460
76.3	S&T Sub-Markets by Programs.....	463
76.3.1	Border & Maritime Security Programs Market - 2011-2014	463
76.3.2	Border Officer Tools and Safety Program & Market - 2011-2014	464
76.3.3	Border Technologies Program & Market - 2011-2014	466
76.3.4	Maritime Technologies Program & Market - 2011-2014	467
76.3.5	Cargo and Conveyance Security Program & Market - 2011-2014	468
76.3.6	Chemical and Biological Programs Market - 2011-2014.....	469
76.3.7	Systems Studies and Decision Tools Program & Market - 2011-2014	470
76.3.8	Threat Awareness Program & Market - 2011-2014	471
76.3.9	Surveillance and Detection R&D Program & Market - 2011-2014	472
76.3.10	Forensics Program & Market - 2011-2014.....	473
76.3.11	Response and Restoration Program & Market - 2011- 2014.....	474
76.3.12	Foreign Animal Diseases Program & Market - 2011-2014.....	475
76.3.13	Analysis Program & Market - 2011-2014	476
76.3.14	Detection Program & Market - 2011-2014	477
76.3.15	Response and Recovery Program & Market - 2011-2014	478
76.3.16	Command, Control and Interoperability Programs Market - 2011-2014	479
76.3.17	Basic/Futures Research (BFR) Program & Market - 2011- 2014.....	480
76.3.18	Office for Interoperability and Compatibility (OIC) Program & Market - 2011-2014	481
76.3.19	Cyber-security Research Tools and Techniques (RTT) Program & Market - 2011-2014	482
76.3.20	Information Infrastructure Security (IIS) Program & Market - 2011-2014	483
76.3.21	Next Generation Technology (NGT) Program & Market - 2011-2014	484
76.3.22	Emerging Threats Program & Market - 2011-2014	485
76.3.23	Intelligence, Surveillance, and Reconnaissance (ISR) Program & Market - 2011-2014	486
76.3.24	Risk Sciences Program & Market - 2011-2014	488
76.3.25	Collaborative Information Sharing Program & Market - 2011-2014	489
76.3.26	Knowledge Frameworks Program & Market - 2011-2014	490
76.3.27	Advanced Forensic Technologies Program & Market - 2011-2014	491

76.3.28	Investigative Technologies Program & Market - 2011-2014.....	492
76.3.29	Explosives Related Programs Market - 2011-2014.....	493
76.3.30	Cargo Program & Market - 2011-2014.....	494
76.3.31	Canine Explosives Detection Program & Market - 2011-2014.....	495
76.3.32	Check Point Program & Market - 2011-2014	496
76.3.33	Homemade Explosives (HME) Program & Market - 2011-2014.....	497
76.3.34	Manhattan II Program & Market - 2011-2014	498
76.3.35	Conveyance Protection Program & Market - 2011-2014	499
76.3.36	Explosives Research Program & Market - 2011-2014	500
76.3.37	Prevent/Deter Program & Market - 2011-2014	501
76.3.38	Predict Program & Market - 2011-2014	503
76.3.39	Detect Program & Market - 2011-2014	504
76.3.40	Respond/Defeat Program & Market - 2011-2014.....	505
76.3.41	Mitigate Program & Market - 2011-2014.....	506
76.3.42	Crosscutting Program & Market - 2011-2014	507
76.3.43	Human Factors Programs Market - 2011-2014	508
76.3.44	Human Systems Research and Engineering Program & Market - 2011-2014	509
76.3.45	Technology Acceptance and Integration Program & Market - 2011-2014	510
76.3.46	Biometrics Program & Market - 2011-2014.....	511
76.3.47	Community Preparedness and Resilience Program & Market - 2011-2014	512
76.3.48	Motivation and Intent (M&I) Program & Market - 2011-2014.....	513
76.3.49	Suspicious Behavior Detection Program & Market - 2011-2014.....	514
76.3.50	Infrastructure and Geophysical Programs Market - 2011-2014.....	515
76.3.51	Advanced Surveillance and Detection Systems Program & Market - 2011-2014	516
76.3.52	Modeling, Simulation, and Analysis Program & Market - 2011-2014	517
76.3.53	Protective Technologies Program & Market - 2011-2014	518
76.3.54	Response and Recovery Technologies Program & Market - 2011-2014	519
76.3.55	Geophysical Program & Market - 2011-2014.....	520
76.3.56	First Responder Technologies Program & Market - 2011-2014.....	521
76.3.57	Geospatial Analysis Program & Market - 2011-2014.....	522
76.3.58	Incident Management Enterprise Program & Market - 2011-2014	523
76.3.59	Integrated Modeling, Mapping and Simulation Program & Market - 2011-2014	524
76.3.60	Innovation Program & Market - 2011-2014.....	525

76.3.61	Biometric Detector Project Program & Market - 2011-2014	526
76.3.62	Future Attribute Screening Technologies Mobile Module (FASTM2) Program & Market - 2011-2014.....	528
76.3.63	Tunnel Detect Program & Market - 2011-2014	529
76.3.64	Multi-modal Tunnel Detect Project Market - 2011-2014.....	529
76.3.65	Rapid Liquid Component Detector (MagViz) Project Market - 2011-2014	530
76.3.66	Resilient Electric Grid (REG) Project Market - 2011-2014	531
76.3.67	Resilient Tunnel Project Market - 2011-2014.....	532
76.3.68	Safe Container/Time Recorded Ubiquitous Sensor Technology (TRUST) Project Market - 2011-2014.....	534
76.3.69	Very Low Cost Bio Agent Detect Project Market - 2011-2014.....	535
76.3.70	Wide Area Surveillance Project Market - 2011-2014	536
76.3.71	Operationally Deployable Explosives Mitigation Project Market - 2011-2014	537
76.3.72	Passive Methods for Precision Behavioral Screening Project Market - 2011-2014	538
76.3.73	Laboratory Facilities Program & Market - 2011-2014	539
76.3.74	Radiological and Nuclear Program & Market - 2011-2014.....	540
76.3.75	Nuclear Detection Advanced Technology Demonstration (ATD) Program & Market - 2011-2014.....	541
76.3.76	Response and Recovery Program & Market - 2011-2014	542
76.3.77	Nuclear Detection Exploratory Research Program & Market - 2011-2014	542
76.3.78	Academic Research Initiative (ARI) Program & Market - 2011-2014	544
76.3.79	Test and Evaluation Standards Program & Market - 2011-2014.....	545
76.3.80	Transition Program & Market - 2011-2014.....	546
76.3.81	University Program & Market - 2011-2014.....	547
76.4	S&T Consolidated Markets – 2011-2014.....	549
76.4.1	Summary Outlook	549
76.4.2	Market Drivers	549
76.4.3	Market Inhibitors	550
76.4.4	S&T Funding and Market - 2011-2014.....	550
77	DHS - Domestic Nuclear Detection Office (DNDO).....	552
77.1	DNDO Background.....	552
77.2	DNDO – Agencies & Units.....	554
77.3	DNDO Sub-Markets by Programs	554
77.3.1	Systems Engineering and Architecture Programs & Markets - 2011-2014.....	554
77.3.2	Systems Engineering Program	556
77.3.3	Standards Program.....	556
77.3.4	Systems Architecture Program	557
77.3.5	PRND Program.....	557
77.3.6	Systems Development Programs & Markets - 2011-2014	557
77.3.7	Human Portable Systems Programs.....	559

77.3.8	Cargo Advanced Automated Radiography System (CAARS) Follow-on Program.....	559
77.3.9	Standoff Radiation Detection System (SORDS) Follow-on Program.....	560
77.3.10	International Rail Program	560
77.3.11	On-Dock Rail Program.....	561
77.3.12	Boat-Mounted Sensor Program	561
77.3.13	Transformational R&D Program & Market - 2011-2014	561
77.3.14	Assessment Programs & Markets - 2011-2014	563
77.3.15	Test and Evaluation (T&E) Infrastructure and Operations	565
77.3.16	Special Nuclear Material (SNM) Sealed Source Development Program.....	565
77.3.17	Graduated Rad/Nuc Detector Evaluation and Reporting (GRaDER) Program.....	566
77.3.18	Test Data Management Programs.....	566
77.3.19	Red Teaming and Net Assessments (RTNA) Program.....	566
77.3.20	West Coast Maritime Pilot Program.....	567
77.3.21	International Commercial Aviation Passengers and Baggage (Pax/Bag) Pilot Program.....	567
77.3.22	Green Border Pilot.....	567
77.3.23	Operations Support Program & Market - 2011-2014	568
77.3.24	Joint Analysis Center Program	569
77.3.25	Nuclear Assessment Program	569
77.3.26	Technical Reachback Program.....	569
77.3.27	Training and Exercises Program.....	570
77.3.28	National Technical Nuclear Forensics Programs & Markets - 2011-2014.....	570
77.3.29	National Nuclear Forensics Expertise Development Program ("Academic Pipeline").....	572
77.3.30	Radiation Portal Monitor Program & Market - 2011-2014	573
77.3.31	Securing the Cities Initiative Program & Market - 2011-2014.....	574
77.3.32	Human Portable Radiation Detection Systems Program & Market - 2011-2014	575
77.3.33	Mobile Detection Deployment Program & Market - 2011-2014.....	576
77.4	DNDOD Consolidated Markets – 2011-2014	577
77.4.1	Summary Outlook	577
77.4.2	Market Drivers	578
77.4.3	Market Inhibitors	578
77.4.4	Main Business Opportunities	578
77.4.5	DNDOD Funding and Market - 2011-2014	579
78	DHS - Departmental Management & Operations (DMO)	580
78.1	DMO Background.....	580
78.2	DMO Agencies and Units	581
78.3	DMO Sub-Markets by Programs.....	582
78.3.1	IT Services Program & Market - 2011-2014	582

78.3.2	Infrastructure and Security Program & Market - 2011-2014.....	583
78.3.3	National Security Systems (NSS) Program & Market - 2011-2014	584
78.3.4	The HSDN Project Program & Market - 2011-2014.....	585
78.3.5	Human Resources Information Technology (HRIT) Program & Market - 2011-2014	587
78.3.6	Headquarters Consolidation Program & Market - 2011-2014.....	588
78.3.7	DHS HQ NAC Project Market - 2011-2014.....	588
78.4	DMO Consolidated Markets – 2011-2014	590
78.4.1	Summary Outlook.....	590
78.4.2	DMO Funding and Market - 2011-2014	591
79	DHS Analysis and Operations (I&A and OPS)	592
79.1	DHS I&A and OPS Background	592
79.1.1	I&A.....	592
79.1.2	OPS	592
79.2	Initiatives	593
79.3	DHS I&A and OPS Markets – 2011-2014.....	593
79.3.1	Summary Outlook	593
79.3.2	DHS I&A and OPS Funding and Market - 2011-2014.....	594
80	DHS - Federal Law Enforcement Training Center (FLETC)	595
80.1	FLETC Background.....	595
80.2	FLETC Agencies and Units	596
80.3	FLETC Sub-Markets by Programs.....	597
80.3.1	Law Enforcement Training Programs & Markets - 2011-2014.....	597
80.3.2	Acquisition, Construction, Improvements & Related Programs & Markets - 2011-2014.....	599
80.3.3	Key Strategic Issues	600
80.4	FLETC Consolidated Markets – 2011-2014	601
80.4.1	Summary Outlook	601
80.4.2	FLETC Funding and Market - 2011-2014	601
81	DHS - US Citizenship & Immigration Services (USCIS)	603
81.1	USCIS Background	603
81.2	USCIS Agencies and Units.....	605
81.3	USCIS Sub-Markets by Programs	605
81.3.1	E-Verify Program & Market - 2011-2014.....	605
81.3.2	Real-ID Program & Market - 2011-2014	607
81.3.3	Systematic Alien Verification for Entitlements (SAVE) Program & Market - 2011-2014	609
81.3.4	Data Center Development Program & Market - 2011-2014	610
81.4	USCIS Consolidated Markets – 2011-2014	612
81.4.1	Summary Outlook	612
81.4.2	USCIS Funding and Market - 2011-2014.....	612
82	DHS - National Protection and Programs Directorate (NPPD)	614

82.1	NPPD Background	614
82.2	NPPD Sub-Markets by Programs	615
82.2.1	Infrastructure Protection (IP) Program & Market - 2011-2014.....	615
82.2.2	Identification and Analysis Program & Market - 2011-2014	616
82.2.3	Coordination and Information Sharing Program & Market - 2011-2014	617
82.2.4	Mitigation Program & Market - 2011-2014	618
82.2.5	Cyber-Security and Communications (CS&C) Program & Market - 2011-2014	619
82.2.6	US Computer Emergency Readiness Team Program & Market - 2011-2014	621
82.2.7	Strategic Initiatives Program & Market - 2011-2014	622
82.2.8	Outreach and Program & Market - 2011-2014.....	623
82.2.9	Priority Telecommunications Services Program & Market - 2011-2014	624
82.2.10	Next Generation Network Program & Market - 2011-2014	625
82.2.11	Programs to Study and Enhance Telecommunications Program & Market - 2011-2014	626
82.2.12	Critical Infrastructure Protection Program & Market - 2011-2014	627
82.2.13	Federal Protective Service Program & Market - 2011-2014.....	628
82.2.14	US-VISIT Program & Market - 2011-2014	629
82.2.15	Systems Operations and Maintenance (O&M) Program & Market - 2011-2014	630
82.2.16	Identity Screening Services	631
82.2.17	Program Management Services	632
82.2.18	Data Center Mirroring and Migration.....	632
82.2.19	Unique Identity – Full Operational Capability Program & Market - 2011-2014	632
82.2.20	Current Services Growth	633
82.3	NPPD Consolidated Markets – 2011-2014.....	633
82.3.1	Summary Outlook	633
82.3.2	NPPD Funding and Market - 2011-2014.....	634
83	Office of Health Affairs (OHA).....	635
83.1	OHA Background.....	635
83.2	OHA Sub-Markets by Programs	635
83.2.1	Medical and Bio-defense Programs Funding	635
83.2.2	BioWatch Program & Market - 2011-2014	636
83.2.3	Rapidly Deployable Chemical Detection System Program & Market - 2011-2014	639
83.2.4	National Bio-Surveilance Integration Center Program & Market - 2011-2014	641
83.3	OHA Consolidated Markets – 2011-2014.....	643
83.3.1	Summary Outlook	643
83.3.2	OHA Funding and Market - 2011-2014.....	643

84	DHS - Office of Inspector General (OIG)	645
84.1	OIG Background.....	645
84.2	OIG Consolidated Markets – 2011-2014	645
84.2.1	Summary Outlook	645
84.2.2	OIG Funding and Market - 2011-2014	646
85	Department of Defense (DOD) HLS	647
85.1	DOD – Background	647
85.2	DOD HLS Markets – 2011-2014.....	647
85.2.1	Summary Outlook	647
85.2.2	DOD Funding and Market - 2011-2014.....	648
86	Department of Health & Human Services (DHHS).....	650
86.1	DHHS Background	650
86.2	The Bio-Terror Mitigation Strategy.....	651
86.3	DHHS Organization & Units	652
86.3.1	DHHS HLS Funding & Markets by Programs - 2011-2014	653
86.4	Center for Disease Control (CDC)	654
86.4.1	CDC HLS Funding & Market by Programs - 2011-2014	655
86.5	Food and Drug Administration (FDA)	656
86.5.1	FDA Background	656
86.5.2	FDA HLS Funding & Market by Programs - 2011-2014	657
86.6	DHHS HLS Funding & Markets – 2011-2014	658
86.6.1	Summary Outlook	658
86.6.2	DHHS HLS Funding and Market - 2011-2014	659
87	Department of Justice (DOJ).....	661
87.1	DOJ HLS Background	661
87.2	DOJ Organization & Units Agencies and Units.....	662
87.3	Federal Bureau of Investigation (FBI).....	664
87.3.1	FBI HLS: Background	664
87.3.2	FBI – Organization and Units.....	665
87.3.3	FBI HLS Drivers.....	666
87.4	DOJ HLS Funding & Market – 2011-2014	667
87.4.1	Summary Outlook	667
87.4.2	DOJ HLS Funding and Market - 2011-2014	668
88	Department of Energy (DOE)	670
88.1	DOE Background.....	670
88.2	DOE HLS Funding & Market – 2011-2014	672
88.2.1	Summary Outlook	672
88.2.2	DOE HLS Funding and Market - 2011-2014	673
89	Department of State (DOS).....	675
89.1	DOS: HLS Background.....	675
89.2	DOS Organization	676
89.3	DOS Sub-Markets by Programs	677
89.3.1	DOS Border Security	677
89.3.2	DOS Worldwide Security Protection	678
89.3.3	Technical Support Working Group (TSWG) - D&CP	678
89.4	Bureau of Diplomatic Security Program.....	679

89.4.1	Diplomatic Security (DS) program	679
89.5	DOS HLS Funding & Markets – 2011-2014.....	679
89.5.1	Summary Outlook	679
89.5.2	DOS DHS Funding and Market - 2011-2014	680
90	US Department of Agriculture (USDA)	682
90.1	USDA Background	682
90.2	USDA Organization	683
90.3	USDA HLS Programs	684
90.3.1	Homeland Security Agricultural Program.....	684
90.3.2	Strategic Partnership Program Agro-Terrorism (SPPA) Program.....	684
90.4	USDA Consolidated HLS Markets – 2011-2014.....	685
90.4.1	Summary Outlook	685
90.4.2	USDA HLS Funding and Market - 2011-2014	686
91	National Science Foundation (NSF)	688
91.1	NSF Background	688
91.2	NSF Organization.....	689
91.3	NSF HLS Programs.....	690
91.3.1	Critical infrastructures and Key Assets Protection Program.....	690
91.4	NSF Consolidated Markets – 2011-2014.....	691
91.4.1	Summary Outlook	691
91.4.2	NSF Funding and Market - 2011-2014	691
92	National Aeronautic & Space Administration (NASA)	693
92.1	NASA Background.....	693
92.2	NASA Consolidated Markets – 2011-2014	695
92.2.1	Summary Outlook	695
92.2.2	NASA HLS Funding and Market - 2011-2014	696
93	Department of Transportation (DOT).....	698
93.1	DOT Background.....	698
93.2	DOT Organization.....	699
93.3	DOT HLS Sub Markets by Programs.....	700
93.3.1	Federal Transit Administration (FTA) Security Program	700
93.3.2	Hazardous Materials Emergency Preparedness Program.....	700
93.3.3	Pipeline Safety Initiatives	700
93.3.4	Transportation Security Grant Programs	701
93.4	DOT Consolidated HLS Markets – 2011-2014	702
93.4.1	Summary Outlook	702
93.4.2	DOT HLS Funding and Market - 2011-2014	703
94	Department of Commerce (DOC).....	705
94.1	DOC Background	705
94.2	DOC Organization	706
94.3	DOC Sub Markets by Programs	707
94.3.1	NOAA Homeland Security Program.....	707
94.3.2	Bureau of Industry and Security Programs	707
94.3.3	NIST Programs	708

94.4	DOC Consolidated HLS Markets – 2011-2014.....	708
94.4.1	Summary Outlook	708
94.4.2	DOC HLS Funding and Market - 2011-2014.....	709
PART IX. MARKET BY INDUSTRY SECTORS.....		711
95	Aviation Security Market - 2011-2014	711
95.1	Scope	711
95.2	US Aviation Security Counter-Terror Mitigation Tactics.....	713
95.3	Passenger Screening	715
95.3.1	Overview.....	715
95.3.2	AIT People Screening Program	716
95.3.3	People screening Market Analysis.....	717
95.4	Checked Baggage Screening	719
95.4.1	In-line Checked Luggage EDS Screening	719
95.5	Air Cargo Screening	720
95.6	Other Aviation Security Sectors.....	723
95.6.1	Airport Perimeter Security.....	723
95.6.2	Airport Employee and Service Personal Identification Program.....	724
95.6.3	Project Newton	724
95.6.4	Airports IT & Telecommunications Restructuring.....	726
95.6.5	Electronic Surveillance	726
95.6.6	Secure Air to Ground Communications	726
95.7	Market Overview.....	727
95.8	Market Drivers	728
95.9	Market Inhibitors	730
95.10	Market SWOT Analysis	730
95.11	Market Competitive Analysis	732
95.12	US Aviation Security Market – 2011-2014.....	733
96	Bio-Chem Detection Market - 2011-2014	734
96.1	Scope	734
96.2	Overview and Policy	735
96.3	Bio-Chem Detection Programs	739
96.3.1	BioWatch program	739
96.3.2	BioSense Program.....	739
96.4	Bio-Surveillance, Detection & Forensics Business Challenges – 2011-2014	740
96.5	Market Overview.....	742
96.6	Market Structure	743
96.7	Market Drivers	743
96.8	Market Inhibitors	744
96.9	Market SWOT Analysis	745
96.10	Competitive Analysis	747
96.11	US Bio-Chem Detection Market - 2011-2014	748
97	Biometric-Based Systems Market - 2011-2014	749

97.1	Scope	749
97.2	Markets & Programs.....	750
97.2.1	The US "Registered Traveler" Program	750
97.2.2	The "Global Envelope" Program	750
97.2.3	"10 Point" Biometric US-VISIT Program	750
97.2.4	Transportation Worker Identity Program.....	751
97.2.5	DOD Biometric GWOT Related Programs.....	751
97.3	Market Overview.....	752
97.4	Business Opportunities.....	753
97.5	Market Drivers	753
97.6	Market Inhibitors	754
97.7	US HLS-HLD Biometric Market - 2011-2014	754
98	Border & Perimeter Security Market - 2011-2014	756
98.1	Scope	756
98.2	Strategic Context.....	757
98.3	Border and Perimeter Security Components	759
98.4	US Perimeter Security	759
98.5	Border Security.....	760
98.5.1	SBInet Program	760
98.5.2	SBInet Market.....	761
98.5.3	Automated Commercial Environment (ACE) Program	761
98.5.4	Free and Secure Trade (FAST) Commercial Driver Program.....	761
98.5.5	America's Shield Initiative (ASI) Program	762
98.6	Market Overview.....	762
98.7	Business Opportunities Business Opportunities	763
98.8	Market Drivers	763
98.9	Market Inhibitors	764
98.10	US Border & Perimeter Security Market - 2011-2014	765
99	Construction Market - 2011-2014.....	766
99.1	Scope	766
99.2	Market Overview.....	766
99.3	Market Drivers	768
99.4	Market Inhibitors	768
99.5	US HLS-HLD Construction Market - 2011-2014	769
100	Critical Infrastructure Security Market - 2011-2014.....	770
100.1	Scope	770
100.2	Market Background	771
100.2.1	Critical Infrastructure Vulnerabilities and Policy	771
100.2.2	Planning of Infrastructure Security.....	774
100.3	Strategy Outlook - 2011-2014	774
100.4	Information Sharing with the Private Sector	775
100.4.1	Vulnerabilities	775
100.4.2	2011-2014 Outlook	775
100.5	Market Overview.....	777
100.6	Business Opportunities.....	778
100.7	Market Drivers	778

100.8	Market Inhibitors	779
100.9	US Critical Infrastructure Security Market - 2011-2014	780
101	Electronic Hardware Industry Market - 2011-2014	781
101.1	Market Definition & Programs.....	781
101.2	Market Overview.....	783
101.3	Market Drivers	784
101.4	Market Inhibitors	784
101.5	US Electronic Hardware Market - 2011-2014	785
102	First Responders Market - 2011-2014.....	786
102.1	Scope	786
102.2	Market Background	787
102.2.1	First Responders Planning and Training.....	794
102.3	Business Opportunities - 2011-2014	795
102.4	Market Drivers	796
102.5	Market Inhibitors	797
102.6	First Responders Market - 2011-2014	798
103	Guard Services Market - 2011-2014.....	799
103.1	Scope	799
103.2	Market Definition & Programs.....	799
103.3	Market Overview.....	801
103.4	Market Drivers	802
103.5	Market Inhibitors	802
103.6	HLS-HLD Guard Services Market - 2011-2014	803
104	Information & Communication Technology (ICT) Market - 2011-2014.....	804
104.1	Scope	804
104.2	Market Background	805
104.2.1	Threat and Vulnerability: A Five-Level Approach.....	805
104.2.2	Products and Services	806
104.2.3	HLS-HLD Software Industry	806
104.3	ICT Programs	808
104.3.1	DHS Cyber-Security Programs	808
104.3.2	DHS – ICT Security Program.....	808
104.3.3	Cyber-Security R&D Programs	808
104.3.4	Secure Protocols for the Routing Infrastructure (SPRI) Program.....	808
104.3.5	Large Datasets for Cyber-Security Programs	809
104.3.6	HLS-HLD C3I Systems Technologies & Markets.....	809
104.3.7	EAGLE II Program	810
104.3.8	The DHS FirstSource Program	811
104.3.9	Integrated Wireless Network Program	811
104.3.10	HLS E-Geospatial Programs	811
104.3.11	Combined Credentialing Program.....	812
104.3.12	TSA Human Resources Information Technology Programs	812
104.3.13	IAIP - Homeland Security Operations Center ICT Program.....	812
104.3.14	FBI Sentinel Program	812

104.3.15 FBI Trilogy Project	813
104.3.16 Terrorist Watch Lists ICT	813
104.4 Market Overview.....	815
104.5 Business Opportunities – 2011-2014.....	817
104.6 Market Drivers	817
104.7 Market Inhibitors	818
104.8 ICT Market - 2011-2014	819
105 Maintenance, Upgrade & Refurbishment Market - 2011-2014	820
105.1 Market Definition & Programs.....	820
105.2 Market Overview.....	821
105.3 Market Drivers	822
105.4 Market Inhibitors.....	822
105.5 Maintenance, Upgrade & Refurbishment Market - 2011-2014	822
106 Maritime Security Market - 2011-2014	824
106.1 Scope	824
106.2 Background	825
106.3 US Maritime Security Legislation.....	830
106.3.1 The Container Security Initiative (CSI).....	830
106.3.2 Customs-Trade Partnership Against Terrorism (C-TPAT)	831
106.3.3 US 24-hour Advance Manifest Rule.....	832
106.4 The US Coast Guard (USCG): Funding and Programs	835
106.5 Container Screening Program	839
106.6 Market Overview.....	841
106.7 Business Opportunities – 2011-2014.....	843
106.8 Competitive Analysis	845
106.9 Maritime Security Market - 2011-2014.....	846
107 Radio-Communication Market - 2011-2014	847
107.1 Scope	847
107.2 Federal Radio Communication Programs.....	847
107.2.1 Government Emergency Telecommunications Service Program.....	847
107.2.2 Wireless Priority Service Program	848
107.2.3 Alerting and Coordination Network (ACN) Program.....	848
107.2.4 Shared Resources High Frequency Radio Program (SHARES) Program.....	848
107.2.5 Telecom ISAC Program.....	848
107.2.6 Emergency Response Training (ERT) Program	849
107.2.7 Individual Mobilization Augmentee Program.....	849
107.2.8 SAFECOM Communications Interoperability Programs	849
107.2.9 “Emerge” Program	850
107.2.10 Homeland Security Information Network (HSIN) Program	851
107.2.11 Government Emergency Telecommunications Service Program.....	851
107.2.12 Communications Interoperability Program.....	851
107.3 Market Overview.....	852
107.4 Market Drivers	853
107.5 Market Inhibitors	853

107.6	US HLS-HLD Radio-Communication Market - 2011-2014.....	854
108	RFID-based Systems Market - 2011-2014.....	855
108.1	Scope	855
108.2	RFID Technologies Overview	856
108.3	Market Overview.....	857
108.4	Supply Chain Item Identification Market	859
108.4.1	Supply Chain Counter-Terror RFID-based Systems	859
108.5	Market Drivers	859
108.6	Market Inhibitors	860
108.7	People identification RFID-based Personal Documentation Market	860
108.7.1	RFID-based “Registered Traveler” Program.....	860
108.7.2	RFID in “Global Envelope” Program	861
108.7.3	“Bio-Visa”, US-VISIT and International e-Passport Programs	861
108.8	Market Drivers	862
108.9	Market Inhibitors	862
108.10	US RFID-based HLS-HLD Market - 2011-2014	863
109	CCTV Based Real-time Threats Identification Systems Market - 2011-2014.....	864
109.1	Scope	864
109.2	Market Background	864
109.2.1	CCTV Based Real-time Threats Identification Technologies	864
109.2.2	TSA Advanced Surveillance Program.....	865
109.2.3	Key Findings	865
109.2.4	Major Conclusions	867
109.3	Market Drivers	869
109.4	Market Inhibitors	870
109.5	CCTV Threat Identification Market - 2011-2014	871
110	Standoff Explosives Detection Market - 2011-2014.....	872
110.1	Scope	872
110.2	Market Background	872
110.2.1	Major Findings	872
110.2.2	Standoff Explosives Detection Technologies	873
110.2.3	Passive MMWave Doorways	874
110.2.4	Standoff Explosives Trace Detection	875
110.2.5	MMWave Detection	876
110.2.6	Terahertz Explosives Detection	878
110.2.7	Laser-Based Explosives Detection	879
110.2.8	Raman Spectroscopy	880
110.2.9	Light Detection and Ranging (LIDAR).....	880
110.2.10	Major Conclusions	881
110.3	Market Drivers	884
110.4	Market Inhibitors	885
110.5	SWOT Analysis	886
110.6	US Standoff Explosives Detection Market - 2011-2014.....	887

List of Tables

Table 1 - HLS-HLD Industry Sectors by 2010-2014 CAGR [%]	69
Table 2 - The American Recovery and Reinvestment Act DHS Market Funding [\$M] by Agency.....	73
Table 3 - US HLS-HLD Outlay [\$ Billion] by Funding Source - 2009-2014	75
Table 4 - US HLS-HLD Outlay [% of Total HLS-HLD] by Funding Source - 2009- 2014	77
Table 5 - US HLS-HLD Market [\$ Billion] by "Demand Side" Sector - 2009-2014	78
Table 6 - US HLS-HLD Market Share [%] by "Demand Side" Sector - 2009-2014	80
Table 7 - Federal HLS Funding by Major Departments [\$B] - 2009-2014.....	81
Table 8 - Federal HLS Market [\$B] by Departments - 2009-2014.....	83
Table 9 - Federal HLS Market [\$B] by Departments - 2009-2014.....	83
Table 10 - Federal HLS Market Share [%] by Departments - 2009 & 2014.....	84
Table 11 - Federal HLS Funding [\$B] by Mission Activity - 2010-2014.....	86
Table 12 - Federal HLS Funding Forecast by Mission Activity Share [%] - 2010- 2014	87
Table 13 - State and Local HLS Funding [\$B] by State - 2009-2014	89
Table 14 - State and Local HLS Markets [\$B] by State - 2009-2014	90
Table 15 - Private Sector HLS Spending [\$B] and Market - 2009-2014	94
Table 16 - Evolution of HLS-HLD Market Dynamics - 2010-2014.....	103
Table 17 - State and Local HLS Funding [\$M] by State - 2009-2014	107
Table 18 - State and Local HLS Funding Share [%] by State - 2009-2014.....	109
Table 19 - Federal HLS Grants Funding [\$M] by State - 2009-2014	112
Table 20 - State by State Federal Grants Funding As Percentage [%] of Total Federal State and Local Funding - 2009-2014	114
Table 21 - Federal State and Local Funding [\$M] of Eleven Programs - 2010-2014 ...	116
Table 22 - State Homeland Security Grant Program: Federal Funding & Market [\$M] - 2010-2014	117
Table 23 - Urban Area Security Initiative: Federal Funding & Market [\$M] - 2010- 2014	117
Table 24 - Emergency Management Performance Grant Program: Federal Funding & Market [\$M] - 2010-2014.....	119
Table 25 - Regional Catastrophic Preparedness Program: Federal Funding & Market [\$M] - 2010-2014	120
Table 26 - Buffer Zone Protection Program: Federal Funding & Market [\$M] - 2010-2014	121
Table 27 - Port Security Grant Program: Federal Funding & Market [\$M] - 2010- 2014	122
Table 28 - Assistance to Firefighters: Federal Funding & Market [\$M] - 2010-2014....	123
Table 29 - National Domestic Preparedness Consortium: Federal Funding & Market [\$M] - 2010-2014	124
Table 30 - State and Local HLS Funding [\$M] by State - 2009-2014	125
Table 31 - Consolidated HLS Funding Share [%] by State - 2009-2014.....	127
Table 32 - Evolution of State and Local Market Dynamics - 2010-2014	133
Table 33 - State and Local HLS Markets [\$M] by State - 2009-2014.....	134

Table 34 - Arizona: State and Local HLS Funding [\$M] - 2009-2014	139
Table 35 - Arizona: State and Local HLS Market [\$M] - 2009-2014	139
Table 36 - California: State and Local HLS Funding [\$M] - 2009-2014	140
Table 37 - California: State and Local HLS Market [\$M] - 2009-2014	140
Table 38 - Colorado: State and Local HLS Funding [\$M] - 2009-2014	141
Table 39 - Colorado: State and Local HLS Market [\$M] - 2009-2014	141
Table 40 - District of Columbia: State and Local HLS Funding [\$M] - 2009-2014.....	142
Table 41 - District of Columbia: State and Local HLS Market [\$M] - 2009-2014.....	142
Table 42 - Florida: State and Local HLS Funding [\$M] - 2009-2014.....	143
Table 43 - Florida: State and Local HLS Market [\$M] - 2009-2014.....	143
Table 44 - Georgia: State and Local HLS Funding [\$M] - 2009-2014.....	144
Table 45 - Georgia: State and Local HLS Market [\$M] - 2009-2014.....	144
Table 46 - Hawaii: State and Local HLS Funding [\$M] - 2009-2014.....	145
Table 47 - Hawaii: State and Local HLS Market [\$M] - 2009-2014.....	145
Table 48 - Illinois: State and Local HLS Funding [\$M] - 2009-2014.....	146
Table 49 - Illinois: State and Local HLS Market [\$M] - 2009-2014.....	146
Table 50 - Indiana: State and Local HLS Funding [\$M] - 2009-2014.....	147
Table 51 - Indiana: State and Local HLS Market [\$M] - 2009-2014.....	147
Table 52 - Kentucky: State and Local HLS Funding [\$M] - 2009-2014.....	148
Table 53 - Kentucky: State and Local HLS Market [\$M] - 2009-2014.....	148
Table 54 - Louisiana: State and Local HLS Funding [\$M] - 2009-2014	149
Table 55 - Louisiana: State and Local HLS Market [\$M] - 2009-2014	149
Table 56 - Maryland: State and Local HLS Funding [\$M] - 2009-2014.....	150
Table 57 - Maryland: State and Local HLS Market [\$M] - 2009-2014.....	150
Table 58 - Massachusetts: State and Local HLS Funding [\$M] - 2009-2014.....	151
Table 59 - Massachusetts: State and Local HLS Market [\$M] - 2009-2014.....	151
Table 60 - Michigan: State and Local HLS Funding [\$M] - 2009-2014	152
Table 61 - Michigan: State & Local HLS Market [\$M] - 2009-2014.....	152
Table 62 - Minnesota: State and Local HLS Funding [\$M] - 2009-2014	153
Table 63 - Minnesota: State and Local HLS Market [\$M] - 2009-2014	153
Table 64 - Missouri: State and Local HLS Funding [\$M] - 2009-2014	154
Table 65 - Missouri: State and Local HLS Market [\$M] - 2009-2014	154
Table 66 - North Carolina: State and Local HLS Funding [\$M] - 2009-2014	155
Table 67 - North Carolina: State and Local HLS Market [\$M] -2009-2014	155
Table 68 - Nevada: State and Local HLS Funding [\$M] - 2009-2014	156
Table 69 - Nevada: State and Local HLS Market [\$M] - 2009-2014	156
Table 70 - New Jersey: State and Local HLS Funding [\$M] - 2009-2014	157
Table 71 - New Jersey: State and Local HLS Market [\$M] - 2009-2014	157
Table 72 - New York: State and Local HLS Funding [\$M] - 2009-2014	158
Table 73 - New York: State and Local HLS Market [\$M] - 2009-2014	158
Table 74 - Ohio: State and Local HLS Funding [\$M] - 2009-2014	159
Table 75 - Ohio: State and Local HLS Market [\$M] - 2009-2014	159
Table 76 - Oregon: State and Local HLS Funding [\$M] - 2009-2014.....	160
Table 77 - Oregon: State and Local HLS Market [\$M] - 2009-2014.....	160
Table 78 - Pennsylvania: State & Local HLS Funding [\$M] - 2009-2014.....	161
Table 79 - Pennsylvania: State & Local HLS Market [\$M] - 2009-2014.....	161
Table 80 - Tennessee: State and Local HLS Funding [\$M] - 2009-2014.....	162
Table 81 - Tennessee: State and Local HLS Market [\$M] - 2009-2014.....	162

Table 82 - Texas: State and Local HLS Funding [\$M] - 2009-2014.....	163
Table 83 - Texas: State and Local HLS Market [\$M] - 2009-2014.....	163
Table 84 - Washington: State and Local HLS Funding [\$M] - 2009-2014.....	164
Table 85 - Washington: State and Local HLS Market [\$M] - 2009-2014.....	164
Table 86 - Wisconsin: State and Local HLS Funding [\$M] - 2009-2014	165
Table 87 - Wisconsin: State and Local HLS Market [\$M] - 2009-2014	165
Table 88 - Private Sector Homeland Security Segments.....	171
Table 89 - Evolution of Private Sector HLS Market Dynamics - 2010-2014	177
Table 90 - US Private Sector HLS Spending Forecast by Industry Sector [\$M] - 2010-2014	178
Table 91 - US Private Sector HLS Spending Forecast by Industry Share [%] - 2009-2014	179
Table 92 - US Private Sector HLS Market by Industry [\$M] - 2009-2014	180
Table 93 - US Private Sector HLS Industry Market Share [%] - 2009-2014	181
Table 94 - Banking & Finance HLS Market [\$M] - 2010-2014	187
Table 95 - Water Infrastructure HLS Market [\$M] - 2010-2014.....	191
Table 96 - Electric Power Industry HLS Market [\$M] - 2010-2014.....	194
Table 97 - Civil Nuclear Industry HLS Market [\$M] - 2009-2014.....	198
Table 98 - Petrochemical & HAZMAT Industry HLS Market [\$M] - 2009-2014.....	203
Table 99 - Defense Industry Base HLS Market [\$M] - 2009-2014	206
Table 100 - Information Technology HLS Market [\$M] - 2009-2014	209
Table 101 - Transportation Industry HLS Market [\$M] - 2010-2014.....	212
Table 102 - Postal and Shipping Industry HLS Market [\$M] - 2009-2014.....	215
Table 103 - Other Industry Sectors HLS Market [\$M] - 2009-2014.....	217
Table 104 - US Private Sector HLS Market by Security Market [\$M] - 2009-2014	218
Table 105 - US Private Sector HLS Market by Security Market Share [%] - 2010- 2014	219
Table 106 - Employee & Visitors ID Private Sector HLS Market [\$M] - 2009-2014	220
Table 107 - Explosives & Weapons Screening Systems & Services Private Sector HLS Market [\$M] - 2010-2014	222
Table 108 - Perimeter Protection Systems & Services Private Sector HLS Market - 2010-2014	223
Table 109 - Cyber-Terror & IT Security Systems & Services Private Sector HLS Market – 2010-2014	224
Table 110 - Guard Services Systems & Services Private Sector HLS Market - 2009-2014	226
Table 111 - Other Private Sector HLS Market - 2009-2014.....	227
Table 112 - DOD's Structure for Interagency Coordination for HLD and Civil Support Missions.....	239
Table 113 - HLS-HLD CBRN Terror Related Plans	249
Table 114 - HLS-HLD Decontamination Personnel Capabilities for a Nuclear Detonation in a Major Metropolitan City	251
Table 115 - Air Force Nuclear Weapons Security: Military Personnel Program Funding & Market - 2009-2014	254
Table 116 - Air Force Nuclear Weapons Security: Weapons Procurement Program Funding & Market - 2009-2014	255
Table 117 - Air Force Nuclear Weapons Security: Operations & Equipment Maintenance Program Funding & Market - 2009-2014.....	256

Table 118 - Air Force Nuclear Weapons Security: Construction Program Funding & Market - 2009-2014.....	257
Table 119 - Air Force Nuclear Weapons Security: Other Programs Funding & Market - 2009-2014	258
Table 120 - Navy Nuclear Weapons Security: Operations & Systems Maintenance Program Funding & Market - 2009-2014	259
Table 121 - Navy Nuclear Weapons Security: Construction Program Funding & Market -2009-2014	260
Table 122 - Navy Nuclear Weapons Security: Navy & Marine Corps Manpower Program Funding & Market - 2009-2014	261
Table 123 - Navy Nuclear Weapons Security: Other Programs Funding & Market - 2009-2014	262
Table 124 - Navy Nuclear Weapons Security: Weapons Procurement Program Funding & Market - 2009-2014.....	263
Table 125 - OST Nuclear Weapons Security: Mission Capacity Program Funding & Market - 2009-2014.....	264
Table 126 - OST Nuclear Weapons Security: Program Management Program Funding & Market - 2009-2014.....	265
Table 127 - OST Nuclear Weapons Security: Security Infrastructure Program Funding & Market - 2009-2014.....	266
Table 128 - OST Nuclear Weapons Security: Security & Safety Capability Program Funding & Market - 2009-2014	267
Table 129 - Pantex Nuclear Weapons Security: Security Personnel Program Funding & Market - 2009-2014.....	268
Table 130 - Pantex Nuclear Weapons Security: Physical Security Program Funding & Market - 2009-2014.....	269
Table 131 - Pantex Nuclear Weapons Security: Other Programs Funding & Market - 2009-2014	270
Table 132 - Evolution of HLD Market Dynamics - 2011-2014.....	275
Table 133 - US, HLD Outlay and Market [\$ Billion] - 2009-2014	276
Table 134 - CT Intelligence Sub-Market Business Opportunities	287
Table 135 - Evolution of CT Intelligence Community Market Dynamics - 2011-2014	291
Table 136 - US Counter-Terror Intelligence Funding and Market [\$M] - 2009-2014....	292
Table 137 - DHS – HLS Market [\$B] by DHS Agency - 2009-2014	298
Table 138 - Market Share [%] by DHS Agency - 2009-2014	299
Table 139 - TSA Screening Partnership Program Funding & Market [\$M] - 2009-2014	303
Table 140 - TSA Passenger and Baggage Screening Funding & Program Market [\$M] - 2009-2014	304
Table 141 - TSA Screening Training Program Funding & Market [\$M] - 2009-2014 ...	305
Table 142 - TSA Passengers and Baggage Installed Base [Units] and Procurement Plans Statistics by Technology	308
Table 143 - TSA Checkpoint Support Program Funding & Market [\$M] - 2009-2014	309
Table 144 - TSA EDS and ETD Procurement and Installation Program Funding & Market [\$M] - 2009-2014	312

Table 145 - TSA Screening Technology Maintenance & Utilities Program Funding & Market [\$M] - 2009-2014.....	314
Table 146 - Screening Technology Maintenance & Utilities Program Market [M] - 2009-2014	315
Table 147 - Checked Baggage Equipment Maintenance [\$M] - FY2011	316
Table 148 - TSA Aviation Regulation and Other Enforcement Program Funding & Market [\$M] - 2009-2014	317
Table 149 - Aviation Regulation and Other Enforcement Program Market [\$M] Components - 2009-2014.....	318
Table 150 - Projected FY 2011 Funded Canine Teams	321
Table 151 - TSA Airport Management, IT, and Support Program Funding & Market [\$M] - 2009-2014	321
Table 152 - Airport Management, IT, and Support Programs - 2010-2011 Funding....	322
Table 153 - TSA FFDO and Flight Crew Training Program Funding & Market [\$M] - 2009-2014.....	323
Table 154 - Flight Deck Security Funding [\$M] - 2010-2011	323
Table 155 - TSA Air Cargo Program Funding & Market [\$M] - 2009-2014	325
Table 156 - Air Cargo Program Components Funding Market - 2009-2014	326
Table 157 - Surface Transportation Initiatives	329
Table 158 - Surface Transportation Security Inspection Program Components	332
Table 159 - TSA Surface Transportation Security Program Funding & Market [\$M] - 2009-2014.....	333
Table 160 - TSA Secure Flight Program Funding & Market [\$M] - 2009-2014	335
Table 161 - TSA Transportation Worker Identification Credential (TWIC) Funding & Market [\$M] - 2009-2014.....	337
Table 162 - TSA Hazardous Materials Endorsement Threat Assessment Program Funding &Market [\$M] - 2009-2014 (HTAP).....	338
Table 163 - TSA Alien Flight Student Program Funding & Market [\$M] - 2009-2014 (AFSP).....	339
Table 164 - TSA Crew and Other Vetting Program Funding & Market [\$M] - 2009-2014	341
Table 165 - Certified Cargo Screening Program Funding & Market [\$M] - 2009-2014	342
Table 166 - TSA Large Aircraft Security Plan Program Funding & Market [\$M] - 2009-2014	343
Table 167 - TSA Secure Identification Display Area Checks Program Funding & Market [\$M] - 2009-2014	344
Table 168 - TSA Transportation Security Support Program Funding & Market [\$M] - 2009-2014.....	345
Table 169 - TSA Federal Air Marshal Service Program Funding & Market [\$M] - 2009-2014	346
Table 170 - Emerging TSA Technologies	348
Table 171 - TSA Funding and Market - 2009-2014	351
Table 172 - CBP Secure Border Initiative Program Funding & Market [\$M] - 2009-2014	356
Table 173 - CBP Inspection and Detection Technology Program Funding & Market [\$M] - 2009-2014	357

Table 174 - CBP Systems for Targeting Program Funding & Market [\$M] - 2009-2014	359
Table 175 - CBP C-TPAT Program Funding & Market [\$M] - 2009-2014	360
Table 176 - CBP International Cargo Screening - CSI and SFI Program Funding & Market [\$M] - 2009-2014	361
Table 177 - Data on Containers Scanned and Container Volume at SFI Ports	364
Table 178 - Costs Incurred by DHS and DOE to Implement and Operate SFI Program, through June 2009 (\$ in thousands)	365
Table 179 - CBP Other International Program Funding & Market [\$M] - 2009-2014 ...	367
Table 180 - CBP Trusted Traveler Programs (TT) Program Funding & Market [\$M] - 2009-2014.....	368
Table 181 - CBP Automated Commercial Environment (ACE) Program Funding & Market [\$M] - 2009-2014	371
Table 182 - CBP Critical Operations Protection & Processing Support (COPPS) /TECS Modernization Program Funding & Market [\$M] - 2009-2014	374
Table 183 - CBP Facility Construction and Sustainment Program Funding & Market [\$M] - 2009-2014	376
Table 184 - CBP Air and Marine Interdiction Program Funding & Market [\$M] - 2009-2014	377
Table 185 - Main Business Opportunities in Cooperation with CBP	380
Table 186 - CBP Funding and Market - 2009-2014	384
Table 187 - FEMA Operating Activities Program Funding & Market [\$M] - 2009-2014	386
Table 188 - FEMA National Capital Region Program Funding & Market [\$M] - 2009-2014	389
Table 189 - FEMA Urban Search and Rescue Program Funding & Market [\$M] - 2009-2014	391
Table 190 - FEMA State and Regional Preparedness Program Funding & Market [\$M] - 2009-2014	392
Table 191 - FEMA State HLS (SHSP) Program Funding & Market [\$M] - 2010-2014	393
Table 192 - FEMA Firefighter Support Grants Program Funding & Market [\$M] - 2009-2014	394
Table 193 - FEMA Regional Catastrophic Preparedness Grant Program Funding & Market [\$M] - 2009-2014.....	395
Table 194 - FEMA Emergency Management Performance Grants (EMPG) Program Funding & Market [\$M] - 2009-2014	396
Table 195 - FEMA Metropolitan Statistical Area (MSA) Preparedness Program Funding & Market [\$M] - 2009-2014.....	397
Table 196 - FEMA Urban Area Security Initiative (UASI) Program Funding & Market [\$M] - 2009-2014	398
Table 197 - FEMA Rail & Transit Security Grant Program Funding & Market [\$M] - 2009-2014	399
Table 198 - FEMA Port Security Grant Program Funding & Market [\$M] - 2009-2014	400
Table 199 - FEMA Buffer Zone Protection Program Funding & Market [\$M] - 2009-2014	401

Table 200 - FEMA Training, Measurement, and Exercise Program Funding & Market [\$M] - 2009-2014	402
Table 201 - FEMA National Exercise Program (NEP) Program Funding & Market [\$M] - 2009-2014	403
Table 202 - FEMA Continuing Training Grants Program Funding & Market [\$M] - 2009-2014	404
Table 203 - FEMA Center for Domestic Preparedness Program Funding & Market [\$M] - 2009-2014	405
Table 204 - FEMA National Domestic Preparedness Consortium Program Funding & Market [\$M] - 2009-2014	406
Table 205 - FEMA Technical Support (TA) and Evaluation and Assessment Program Funding & Market [\$M] - 2009-2014	407
Table 206 - FEMA Fire Administration Program Funding & Market [\$M] - 2009-2014	408
Table 207 - FEMA Radiological Emergency Preparedness Program Funding & Market [\$M] - 2009-2014	409
Table 208 - FEMA Emergency Food and Shelter Program Funding & Market [\$M] - 2009-2014	410
Table 209 - FEMA Disaster Relief Fund Program Funding & Market [\$M] - 2009-2014	411
Table 210 - FEMA Flood Hazard Mapping and Risk Analysis Program Funding & Market [\$M] - 2009-2014	412
Table 211 - FEMA National Flood Insurance Program (NFIP) Program Funding & Market [\$M] - 2009-2014	413
Table 212 - FEMA Mapping and Risk Analysis Program Funding & Market [\$M] - 2009-2014	414
Table 213 - FEMA Funding and Market - 2009-2014	417
Table 214 - ICE Visa Security Program Funding & Market [\$M] - 2009-2014	420
Table 215 - ICE Criminal Alien Program Funding & Market [\$M] - 2009-2014	421
Table 216 - ICE Transportation and Removal Program Funding & Market [\$M] - 2009-2014	422
Table 217 - ICE Comprehensive Identification and Removal of Criminal Aliens Program Funding & Market [\$M] - 2009-2014	424
Table 218 - ICE Automation Modernization Program Funding & Market [\$M] - 2009-2014	425
Table 219 - ICE Managed IT Investment Program Funding & Market [\$M] - 2009-2014	429
Table 220 - ICE Investigations Program Funding & Market [\$M] - 2009-2014	430
Table 221 - ICE Domestic Investigations Program Funding & Market [\$M] - 2009-2014	431
Table 222 - ICE International Investigations Program Funding & Market [\$M] - 2009-2014	433
Table 223 - ICE Funding and Market - 2009-2014	435
Table 224 - Coast Guard HLS and Non-HLS Missions.....	438
Table 225 - USCG 2008-2014 Sub-Markets by Programs and Initiatives.....	442
Table 226 - USCG Defense Readiness Program Funding & Market [\$M] - 2009-2014	443

Table 227 - USCG Migrant Interdiction Program Funding & Market [\$M] - 2009-2014	444
Table 228 - USCG Other Law Enforcement Measures Program Funding & Market [\$M] - 2009-2014	445
Table 229 - USCG Ports, Waterways and Coastal Security (PWCS) Program Funding & Market [\$M] - 2009-2014	446
Table 230 - USCG Funding and Market - 2009-2014	450
Table 231 - Secret Service Major Operational Programs and Strategic Goals	452
Table 232 - USSS Electronic Crimes Special Agent (ECSAP) Program Funding & Market [\$M] - 2009-2014	453
Table 233 - USSS Funding and Market - 2009-2014	457
Table 234 - S&T Border & Maritime Security Program Funding & Market [\$M] - 2009-2014	463
Table 235 - S&T Border Officer Tools and Safety Program Funding & Market [\$M] - 2009-2014	465
Table 236 - S&T Border Technologies Program Funding & Market [\$M] - 2010-2014	466
Table 237 - S&T Maritime Technologies Program Funding & Market [\$M] - 2010-2014	467
Table 238 - S&T Cargo and Conveyance Security Program Funding & Market [\$M] - 2010-2014	468
Table 239 - S&T Chemical and Biological Program Funding & Market [\$M] - 2009-2014	469
Table 240 - S&T Systems Studies and Decision Tools Program Funding & Market [\$M] - 2010-2014	470
Table 241 - S&T Threat Awareness Program Funding & Market [\$M] - 2010-2014	471
Table 242 - S&T Surveillance and Detection R&D Program Funding & Market [\$M] 2009-2014	472
Table 243 - S&T Forensics Program Funding & Market [\$M] - 2010-2014	473
Table 244 - S&T Response and Restoration Program Funding & Market [\$M] - 2010-2014	474
Table 245 - S&T Foreign Animal Diseases Program Funding & Market [\$M] - 2010-2014	475
Table 246 - S&T Analysis Program Funding & Market [\$M] - 2010-2014	476
Table 247 - S&T Detection Program Funding & Market [\$M] - 2010-2014	477
Table 248 - S&T Response and Recovery Program Funding & Market [\$M] - 2010-2014	478
Table 249 - S&T Command, Control and Interoperability Program Funding & Market [\$M] - 2009-2014	479
Table 250 - S&T Basic/Futures Research (BFR) Program Funding & Market [\$M] - 2010-2014	480
Table 251 - S&T Office for Interoperability and Compatibility (OIC) Program Funding & Market [\$M] - 2010-2014	481
Table 252 - S&T Cyber-Security Research Tools and Techniques (RTT) Program Funding & Market [\$M] - 2010-2014	482
Table 253 - S&T Information Infrastructure Security (IIS) Program Funding & Market [\$M] - 2010-2014	483

Table 254 - S&T Next Generation Technology (NGT) Program Funding & Market [\$M] -2010-2014	484
Table 255 - S&T Emerging Threats Program Funding & Market [\$M] - 2010-2014	485
Table 256 - S&T Intelligence, Surveillance, and Reconnaissance (ISR) Program Funding & Market [\$M] - 2010-2014.....	486
Table 257 - S&T Risk Sciences Program Funding & Market [\$M] - 2010-2014	488
Table 258 - S&T Collaborative Information Sharing Program Funding & Market [\$M] - 2010-2014	489
Table 259 - S&T Knowledge Frameworks Program Funding & Market [\$M] - 2010- 2014	490
Table 260 - S&T Advanced Forensic Technologies Program Funding & Market [\$M] - 2010-2014	491
Table 261 - S&T Investigative Technologies Program Funding & Market [\$M] - 2010-2014	492
Table 262 - S&T Explosives Related Program Funding & Market [\$M] - 2009-2014 ...	493
Table 263 - S&T Cargo Program Funding & Market [\$M] - 2010-2014.....	494
Table 264 - S&T Canine Explosives Detection Program Funding & Market [\$M] - 2010-2014	495
Table 265 - S&T Check Point Program Funding & Market [\$M] - 2010-2014	496
Table 266 - S&T Homemade Explosives (HME) Program Funding & Market [\$M] - 2010-2014	497
Table 267 - S&T Manhattan II Program Funding & Market [\$M] - 2010-2014.....	498
Table 268 - S&T Conveyance Protection Program Funding & Market [\$M] - 2010- 2014	499
Table 269 - S&T Explosives Research Program Funding & Market [\$M] - 2010- 2014	500
Table 270 - S&T Prevent/Deter Program Funding & Market [\$M] - 2010-2014	501
Table 271 - S&T Predict Program Funding & Market [\$M] - 2010-2014	503
Table 272 - S&T Detect Program Funding & Market [\$M] - 2010-2014	504
Table 273 - S&T Respond/Defeat Program Funding & Market [\$M] - 2010-2014.....	505
Table 274 - S&T Mitigate Program Funding & Market [\$M] - 2010-2014.....	506
Table 275 - S&T Crosscutting Program Funding & Market [\$M] - 2010-2014.....	507
Table 276 - S&T Human Factors Program Funding & Market [\$M] - 2009-2014.....	508
Table 277 - S&T Human Systems Research and Engineering Program Funding & Market [\$M] - 2010-2014	509
Table 278 - S&T Technology Acceptance and Integration Program Funding & Market [\$M] - 2010-2014	510
Table 279 - S&T Biometrics Program Funding & Market [\$M] - 2010-2014.....	511
Table 280 - S&T Biometrics Community Preparedness and Resilience Program Funding & Market [\$M] - 2010-2014.....	512
Table 281 - S&T Motivation and Intent (M&I) Program Funding & Market [\$M] - 2010-2014	513
Table 282 - S&T Suspicious Behavior Detection Program Funding & Market [\$M] - 2010-2014	514
Table 283 - S&T Infrastructure and Geophysical Program Funding & Market [\$M] - 2009-2014	515
Table 284 - S&T Advanced Surveillance and Detection Systems Program Funding & Market [\$M] - 2010-2014.....	516

Table 285 - S&T Modeling, Simulation, and Analysis Program Funding & Market [\$M] - 2010-2014	517
Table 286 - S&T Protective Technologies Program Funding & Market [\$M] - 2010- 2014	518
Table 287 - S&T Response and Recovery Technologies Program Funding & Market [\$M] - 2010-2014	519
Table 288 - S&T Geophysical Program Funding & Market [\$M] - 2010-2014.....	520
Table 289 - S&T First Responder Technologies I Program Funding & Market [\$M] - 2010-2014.....	521
Table 290 - S&T Geospatial Analysis Program Funding & Market [\$M] - 2011- 2014	522
Table 291 - S&T Incident Management Enterprise Program Funding & Market [\$M] - 2010-2014	523
Table 292 - S&T Integrated Modeling, Mapping and Simulation Program Funding & Market [\$M] - 2010-2014	524
Table 293 - S&T Innovation Program Funding & Market [\$M] - 2009-2014.....	525
Table 294 - S&T Biometric Detector Program Funding & Market [\$M] - 2010-2014....	527
Table 295 - S&T Future Attribute Screening Technologies Mobile Module (FASTM2) Program Funding & Market [\$M] - 2010-2014.....	528
Table 296 - S&T Multi-modal Tunnel Detect Program Funding & Market [\$M] - 2010-2014	529
Table 297 - S&T Rapid Liquid Component Detector (MagViz) Program Funding & Market [\$M] - 2010-2014	530
Table 298 - S&T Resilient Electric Grid (REG) Program Funding & Market [\$M] - 2010-2014	531
Table 299 - S&T Resilient Tunnel Program Funding & Market [\$M] - 2010-2014.....	532
Table 300 - S&T Safe Container /Time Recorded Ubiquitous Sensor Technology (TRUST) Program Funding & Market [\$M] - 2010-2014.....	534
Table 301 - S&T Very Low Cost Bio Agent Detect Program Funding & Market [\$M] - 2010-2014	535
Table 302 - S&T Wide Area Surveillance Program Funding & Market [\$M] - 2010- 2014	536
Table 303 - S&T Operationally Deployable Explosives Mitigation Program Funding & Market [\$M] - 2011-2014.....	537
Table 304 - S&T Passive Methods for Precision Behavioral Screening Program Funding & Market [\$M] - 2011-2014.....	538
Table 305 - S&T Laboratory Facilities Program Funding & Market [\$M] - 2009- 2014	539
Table 306 - S&T Radiological and Nuclear Program Funding & Market [\$M] - 2011-2014	540
Table 307 - S&T Nuclear Detection Advanced Technology Demonstration (ATD) Program Funding & Market [\$M] - 2011-2014	541
Table 308 - S&T Response and Recovery Program Funding & Market [\$M] - 2011-2014	542
Table 309 - S&T Nuclear Detection Exploratory Research Program Funding & Market [\$M] - 2011-2014	543
Table 310 - S&T Academic Research Initiative (ARI) Program Funding & Market [\$M] - 2011-2014	544

Table 311 - S&T Test and Evaluation Standards Program Funding & Market [\$M] - 2009-2014.....	545
Table 312 - S&T Transition Program Funding & Market [\$M] - 2009-2014.....	546
Table 313 - S&T Transition Program Funding & Market [\$M] - 2009-2014.....	547
Table 314 - S&T Funding and Market - 2009-2014	550
Table 315 - DNDOD Systems Engineering and Architecture Program Funding & Market [\$M] - 2009-2014	555
Table 316 - DNDOD Systems Development Program Funding & Market [\$M] - 2009-2014	558
Table 317 - DNDOD Transformational R&D Program Funding & Market [\$M] - 2009-2014	562
Table 318 - DNDOD Assessment Program Funding & Market [\$M] - 2009-2014	564
Table 319 - DNDOD Operations Support Program Funding [\$M] - 2009-2014	568
Table 320 - DNDOD National Technical Nuclear Forensics Program Funding & Market [\$M] - 2009-2014	571
Table 321 - DNDOD Radiation Portal Monitor Program Funding & Market [\$M] - 2009-2014	573
Table 322 - DNDOD Securing the Cities Initiative Program Funding & Market [\$M] - 2009-2014	574
Table 323 - DNDOD Human Portable Radiation Detection Systems Program Funding & Market [\$M] - 2009-2014.....	575
Table 324 - DNDOD Funding and Market - 2009-2014.....	579
Table 325 - DMO IT Services Program Funding & Market [\$M] - 2009-2014	582
Table 326 - DMO Infrastructure and Security Program Funding & Market [\$M] - 2009-2014	584
Table 327 - DMO National Security Systems (NSS) Program Funding & Market [\$M] - 2009-2014	585
Table 328 - DMO Human Resources Information Technology (HRIT) Program Funding & Market [\$M] - 2009-2014.....	587
Table 329 - DMO Headquarters Consolidation Program Funding & Market [\$M] - 2009-2014	588
Table 330 - DMO DHS HQ NAC Program Funding & Market [\$M] - 2009-2014.....	589
Table 331 - DMO Funding and Market - 2009-2014	591
Table 332 - DHS I&A and OPS Funding and Market - 2009-2014.....	594
Table 333 - FLETC Law Enforcement Training Program Funding & Market [\$M] - 2009-2014	598
Table 334 - FLETC Acquisition, Construction, Improvements & Related Program Funding & Market [\$M] - 2009-2014.....	599
Table 335 - FLETC Funding and Market - 2009-2014	601
Table 336 - USCIS E-Verify Program Funding & Market [\$M] - 2009-2014.....	607
Table 337 - USCIS Real-ID Program Funding & Market [\$M] - 2010-2014	608
Table 338 - USCIS Systematic Alien Verification for Entitlements (SAVE) Program Funding & Market [\$M] - 2010-2014.....	610
Table 339 - USCIS Data Center Development Program Funding & Market [\$M] - 2010-2014	611
Table 340 - USCIS Funding and Market - 2009-2014	612
Table 341 - NPPD Infrastructure Protection (IP) Program Funding & Market [\$M] - 2009-2014	615

Table 342 - NPPD Identification and Analysis Program Funding & Market [\$M] - 2009-2014	616
Table 343 - NPPD Coordination and Information Sharing Program Funding & Market [\$M] - 2009-2014	617
Table 344 - NPPD Mitigation Program Funding & Market [\$M] - 2009-2014	618
Table 345 - NPPD CS&C Programs Overview Program Funding & Market [\$M] - 2009-2014	620
Table 346 - NPPD US Computer Emergency Readiness Team Program Funding & Market [\$M] - 2010-2014.....	621
Table 347 - NPPD Strategic Initiatives Program Funding & Market [\$M] - 2010-2014	622
Table 348 - NPPD Outreach and Program Funding & Market [\$M] - 2010-2014.....	623
Table 349 - NPPD Priority Telecommunications Services Program Funding & Market [\$M] - 2009-2014	624
Table 350 - NPPD Next Generation Network Program Funding & Market [\$M] - 2009-2014	625
Table 351 - NPPD Programs to Study and Enhance Telecommunications Program Funding & Market [\$M] - 2009-2014	626
Table 352 - NPPD Critical Infrastructure Protection Program Funding & Market [\$M] - 2009-2014	627
Table 353 - NPPD Federal Protective Service Program Funding & Market [\$M] - 2009-2014	628
Table 354 - NPPD US-VISIT Program Funding & Market [\$M] - 2009-2014	630
Table 355 - US-VISIT Current Services O&M Projected Growth	633
Table 356 - NPPD Funding and Market - 2009-2014	634
Table 357- OHA Medical and Bio-defense Program Funding & Market [\$M] - 2009-2014	635
Table 358 - OHA Bio-Watch Program Funding & Market [\$M] - 2009-2014	638
Table 359 - OHA Rapidly Deployable Chemical Detection System Program Funding & Market [\$M] - 2009-2014.....	640
Table 360 - OHA National Bio-Surveillance Integration Center Program Funding & Market [\$M] - 2009-2014	642
Table 361 - OHA Funding and Market - 2009-2014.....	643
Table 362 - OIG Funding and Market - 2009-2014.....	646
Table 363 - DOD HLS Funding and Market - 2009-2014	648
Table 364 - DHHS HLS Funding [\$M] by Mission & Programs - 2009-2014	653
Table 365 - DHHS HLS Market [\$M] by Mission & Programs - 2009-2014	654
Table 366 - CDC HLS Funding [\$M] by Mission & Programs - 2009-2014.....	655
Table 367 - CDC HLS Market [\$M] by Mission & Programs - 2009-2014.....	655
Table 368 - FDA HLS Funding [\$M] by Mission & Programs - 2009-2014	657
Table 369 - FDA HLS Market [\$M] by Mission & Programs - 2009-2014	657
Table 370 - DHHS HLS Funding and Market - 2009-2014	659
Table 371 - DOJ HLS Funding and Market - 2009-2014	668
Table 372 - DOE HLS Funding and Market - 2009-2014.....	673
Table 373 - DOS Border Security Program Funding [\$M] - 2009-2014	677
Table 374 - DOS Border Security Program Markets [\$M] - 2009-2014	677
Table 375 - DOS Worldwide Security Protection program funding & markets [\$M] - 2009-2014	678

Table 376 - Technical Support Working Group (TSWG) - D&CP Program Funding & Markets [\$Thousands] - 2009-2014	678
Table 377 - Bureau of Diplomatic Security Program Funding & Markets [\$M] - 2009-2014	679
Table 378 - DOS HLS Funding and Market - 2009-2014.....	680
Table 379 - USDA HLS Funding and Market - 2009-2014	686
Table 380 - NSF HLS Research Markets [\$M] by Program - 2009-2014.....	690
Table 381 - NSF HLS Funding and Market - 2009-2014	691
Table 382 - NASA HLS Funding and Market - 2009-2014.....	696
Table 383 - DOT HLS Funding and Market - 2009-2014.....	703
Table 384 - DOC HLS Funding and Market - 2009-2014	709
Table 385 - US Largest Airports Ranked by # of Passengers [Million Passengers per Annum].....	728
Table 386 - US Aviation Security Market [\$M] - 2009-2014.....	733
Table 387 - Bio-surveillance, Detection & Bio-forensics Challenges - 2010-2014	741
Table 388 - US Bio-Chem Detection Market [\$M] - 2009-2014	748
Table 389 - HLS-HLD Biometrics Business Opportunities Market Business Opportunities	753
Table 390 - US HLS-HLD Biometric Market [\$M] - 2009-2014	754
Table 391 - Border and Perimeter Security Components	759
Table 392 - Border & Perimeter Security Sub- Market Growth Prospects	763
Table 393 - US Border & Perimeter Security Market [\$M] - 2009-2014.....	765
Table 394 - US HLS-HLD Construction Market [\$M] - 2009-2014	769
Table 395 - Sector-Specific Agencies vs. Critical Infrastructure Sectors	772
Table 396 - 15 Critical Infrastructure Security Business Opportunities	778
Table 397 - US Critical Infrastructure Security Market [\$M] - 2009-2014	780
Table 398 - US Electronic Hardware Market [\$M] - 2009-2014	785
Table 399 - Spectrums of Potential Contingencies for First Responders	795
Table 400 - First Responders Business Opportunities	795
Table 401 - US First Responders Equipment Market [\$M] - 2009-2014	798
Table 402 - US HLS-HLD Guard Services Total Market [\$M] - 2009-2014.....	803
Table 403 - Priorities in Security Cyberspace.....	805
Table 404 - Products and Services Associated with HLS-HLD IT, C3I and Cyber-Security Market Segments	806
Table 405 - HLS-HLD IT, C3I and Cyber-Security Business Opportunities	817
Table 406 - US HLS-HLD ICT Systems Market [\$M] - 2009-2014.....	819
Table 407 - US Maintenance, Upgrade & Refurbishment Market [\$M] - 2009-2014....	822
Table 408 - Security "24-hour rule" Surcharge Rates of Forwarders and Carriers	834
Table 409 - USCG HLS and Non-HLS Missions.....	836
Table 410 - USCG 2008-2014 HLS Programs and Initiatives.....	838
Table 411 - 25 Largest Container Ports Trading With the USA	840
Table 412 - Maritime Security Sub- Market Growth Sectors.....	843
Table 413 - Maritime Security Sub-Markets - 2010-2014	843
Table 414 - US Maritime Security Market [\$M] - 2009-2014.....	846
Table 415 - US Radio-Communication Systems Market [\$M] - 2009-2014	854
Table 416 - US RFID-based Market [\$M] - 2009-2014	863
Table 417 - CCTV Based Real-time Terrorists Identification Technologies	864
Table 418 - US Standoff CCTV Based Terror Mitigation Market [\$M] - 2009-2014	871

Table 419 - Standoff Explosives Detection Technologies.....	873
Table 420 - US Standoff Explosives Detection Market [\$M] - 2009-2014.....	887

List of Figures

Figure 1 - HLS / HLD Responsibilities	64
Figure 2 - US HLS-HLD Spending [\$ Billion] by Funding Sources - 2010 & 2014	67
Figure 3 - US HLS-HLD Market [\$ Billion] by Funding Sources - 2010 & 2014	67
Figure 4 - FY 2010 DHD HLS Funding [\$M] vs. Other US HLS-HLD Funding Sources	71
Figure 5 - US Federal HLS-HLD Structure	74
Figure 6 - US HLS-HLD Outlay [\$ Billion] by Key Funding Source - 2009-2014.....	76
Figure 7 - US HLS-HLD Outlay [\$ Billion] by Detailed Funding Source - 2009 & 2014	76
Figure 8 - US HLS-HLD Outlay [%] by Detailed Funding Source - 2009 & 2014.....	77
Figure 9 - US HLS-HLD Market [\$ Billion] by Key "Demand Side" Sectors - 2009-2014	79
Figure 10 - US HLS-HLD Market [\$ Billion] by "Demand Side" Sector - 2009 & 2014	79
Figure 11 - US HLS-HLD Market Share [%] by "Demand Side" Sector - 2009 & 2014	80
Figure 12 - Federal HLS Funding [\$B] by Departments - 2009-2014	81
Figure 13 - Federal HLS Funding Share [%] by Departments - 2009 & 2014	82
Figure 14 - Federal HLS Market Share [%] by Departments - 2009 & 2014	84
Figure 15 - Federal HLS Funding [\$B] by Mission Activity - 2010-2014	86
Figure 16 - Federal HLS Funding Share [%] by Mission Activity - 2010 &2014	87
Figure 17 - State and Local HLS Funding [\$B] by State - 2009-2014.....	89
Figure 18 - State and Local HLS Funding [%] by State – 2011	90
Figure 19 - State, Local and Federal HLS Market [\$B] by State - 2009-2014.....	91
Figure 20 - State and Local HLS Markets Share [%] by State - 2011	91
Figure 21 - DHS Private Sector and Government, High-Risk Infrastructure List – Classified by Sector.....	93
Figure 22 - Private Sector HLS Spending [\$B] and Market - 2009-2014	94
Figure 23 - Federal Government - Industry HLS-HLD Life Cycle.....	95
Figure 24 - HLS-HLD Industry, Government Relationship.....	96
Figure 25 - The HLS-HLD Vendor – Client Inter-Relationship	97
Figure 26 - HLD Market SWOT Analysis	101
Figure 27 - HLD Market – Competitive Analysis	102
Figure 28 - State and Local HLS Funding [\$M] - 2009-2014	108
Figure 29 - 2010-Ten Leading States Self-Financed HLS [\$M] Funding	108
Figure 30 - FY 2010 - Ten Leading States State and Local HLS Funding Share [%] by State - 2009-2014.....	110
Figure 31 - 2010 -Ten Leading States Federal State and Local DHS Grants [\$M] Funding	113
Figure 32 - FY 2010 –Ten Leading States: Federal State and Local Grants [%] Funding	115
Figure 33 - State and Local HLS Funding [\$M] - 2000-2014	126
Figure 34 - FY 2010 – Ten Leading States Consolidated Federal, State and Local [\$M] Funding	126

Figure 35 - FY 2010 – Ten Leading States Consolidated Federal, State and Local [%] of Total State and Local HLS Funds	128
Figure 36 - State and Local SWOT Analysis	131
Figure 37 - State and Local Market – Competitive Analysis	132
Figure 38 - State, Local and Federal HLS Market [\$M] - 2009-2014	135
Figure 39 - FY 2010 -Ten Leading States Consolidated Federal, State and Local [\$M] Market	135
Figure 40 - State and Local HLS Markets Share [%] by State - 2009-2014.....	136
Figure 41 - FY 2010 -Ten Leading States HLS Market Share [%]	137
Figure 42 - Private Sector Terror Targets	168
Figure 43 - Government & Private Sector High-Risk, High-Priority Infrastructure Sites as Classified by DHS.....	173
Figure 44 - Private Sector HLS Market SWOT Analysis	175
Figure 45 - Private Sector HLS Market – Competitive Analysis	176
Figure 46 - US Private Sector HLS Spending by Industry [\$B] - 2009-2014.....	179
Figure 47 - US Private Sector HLS Market Share by Industry [\$M] - 2009-2014.....	181
Figure 48 - US Private Sector HLS Industry Market Share [%] - 2009 & 2014	182
Figure 49 - Banking and Finance HLS Market, Drivers, Inhibitors & Government Impact	186
Figure 50 - Banking & Finance HLS Market [\$M] - 2010-2014	187
Figure 51 - Private Sector Water Infrastructure HLS Market, Drivers, Inhibitors & Government Impact.....	191
Figure 52 - Banking & Finance HLS Market [\$M] - 2010-2014	191
Figure 53 - Electric Power Industry HLS Market, Drivers, Inhibitors & Government Impact	194
Figure 54 - Electric Power Industry HLS Market [\$M] - 2010-2014.....	194
Figure 55 - Civil Nuclear Power Industry HLS Market, Drivers, Inhibitors & Government Impact.....	197
Figure 56 - Civil Nuclear Industry HLS Market [\$M] - 2010-2014	198
Figure 57 - Petrochemical & HAZMAT Industry HLS Market, Drivers, Inhibitors & Government Impact.....	202
Figure 58 - Petrochemical & HAZMAT Industry HLS Market [\$M] - 2010-2014.....	203
Figure 59 - Defense Industry Base HLS Market, Drivers, Inhibitors & Government Impact	205
Figure 60 - Defense Industry Base HLS Market [\$M] - 2010-2014	206
Figure 61 - Information Technology HLS Market, Drivers, Inhibitors & Government Impact	208
Figure 62 - Information Technology HLS Market [\$M] - 2009-2014.....	209
Figure 63 - Transportation Industry HLS Market, Drivers, Inhibitors & Government Impact	211
Figure 64 - Transportation Industry HLS Market [\$M] - 2010-2014	212
Figure 65 - Postal and Shipping Industry HLS Market, Drivers, Inhibitors & Government Impact.....	214
Figure 66 - Postal and Shipping Industry HLS Market [\$M] - 2009-2014.....	215
Figure 67 - Other Industries, HLS Market: Drivers, Inhibitors & Government Impact	216
Figure 68 - Other industries HLS Market [\$M] - 2009-2014	217
Figure 69 - US Private Sector HLS Market by Mission Activity [\$B] - 2009-2014	219

Figure 70 - US Private Sector HLS Market Share [%] by HLS Industry Sector– 2009 & 2014.....	220
Figure 71 - Employee & Visitors ID Private Sector HLS Market [\$M] - 2009-2014	221
Figure 72 - Explosives & Weapons Screening Systems & Services Private Sector HLS Market [\$M] - 2009-2014	222
Figure 73 - Perimeter Protection Systems & Services Private Sector HLS Market [\$M] - 2010-2014	224
Figure 74 - Cyber-Terror & IT Security Systems & Services Private Sector HLS Market [\$B] - 2009-2014.....	225
Figure 75 - Guard Services Systems & Services Private Sector HLS Market - 2009-2014	226
Figure 76 - Other Private Sector HLS Market - 2009-2014.....	227
Figure 77 - HLS / HLD Interplay	229
Figure 78 - DOD Homeland Security Paradigm.....	230
Figure 79 - DOD's Internal HLD Process for Responding to Requests-for- Assistance.....	231
Figure 80 - DOD Resources HLD Application.....	232
Figure 81 - NORTHCOM Organizational Chart	234
Figure 82 - NORTHCOM's Area of Responsibility	235
Figure 83 - Homeland Defense and Civil Support Roadmap.....	237
Figure 84 - Civil Support Hierarchy.....	238
Figure 85 - DOD's Structure for Interagency Coordination for HLD and Civil Support Missions.....	240
Figure 86 - Strategic Concept of Layered HLD	242
Figure 87 - Response Timeline for CBRN Terror Consequence Management.....	250
Figure 88 - Locations of the Eighteen Airspace Alert Sites.....	252
Figure 89 - Air Force Nuclear Weapons Security: Military Personnel Program Funding & Market - 2009-2014.....	254
Figure 90 - Air Force Nuclear Weapons Security: Weapons Procurement Program Funding & Market - 2009-2014.....	255
Figure 91 - Air Force Nuclear Weapons Security: Operations & Equipment Maintenance Program Funding & Market-2009-2014.....	256
Figure 92 - Air Force Nuclear Weapons Security: Construction Program Funding & Market - 2009-2014.....	257
Figure 93 - Air Force Nuclear Weapons Security: Other Programs Funding & Market -2009-2014	258
Figure 94 - Navy Nuclear Weapons Security: Operations & Systems Maintenance Program Funding & Market - 2009-2014	259
Figure 95 - Navy Nuclear Weapons Security: Construction Program Funding & Market -2009-2014	260
Figure 96 - Navy Nuclear Weapons Security: Navy & Marine Corps Manpower Program Funding & Market - 2009-2014	261
Figure 97 - Navy Nuclear Weapons Security: Other Programs Funding & Market - 2009-2014	262
Figure 98 - Navy Nuclear Weapons Security: Weapons Procurement Program Funding & Market - 2009-2014.....	263
Figure 99 - OST Nuclear Weapons Security: Mission Capacity Program Funding & Market - 2009-2014.....	264

Figure 100 - OST Nuclear Weapons Security: Program Management Program Funding & Market - 2009-2014.....	265
Figure 101 - OST Nuclear Weapons Security: Security Infrastructure Program Funding & Market - 2009-2014.....	266
Figure 102 - OST Nuclear Weapons Security: Security & Safety Capability Program Funding & Market - 2009-2014	267
Figure 103 - Pantex Nuclear Weapons Security: Security Personnel Program Funding & Market - 2009-2014.....	268
Figure 104 - Pantex Nuclear Weapons Security: Physical Security Program Funding & Market - 2009-2014.....	269
Figure 105 - Pantex Nuclear Weapons Security: Other Programs Funding & Market - 2009-2014	270
Figure 106 - HLD Market SWOT Analysis	273
Figure 107 - HLD Market – Competitive Analysis	274
Figure 108 - US, HLD Outlay and Market [\$Billion] - 2009-2014	277
Figure 109 - US National Intelligence Service Organization Chart	281
Figure 110 - The Intelligence Cycle	282
Figure 111 - The DHS Intelligence Organization	284
Figure 112 - Intelligence & Warning - Market Challenges, Drivers, Inhibitors and Technology Challenges	286
Figure 113 - Counter-Terror Intelligence Community Market SWOT Analysis.....	289
Figure 114 CT Intelligence Community Market – Competitive Analysis	290
Figure 115 - Estimated US Counter-Terror Intelligence Funding & Market [\$Million] - 2009-2014	292
Figure 116 - DHS – Organizational Structure	294
Figure 117 - DHS – HLS Budget Expenditure vs. HLS Market [\$B] - 2009-2014	296
Figure 118 - DHS' Procurement Offices Interplay.....	297
Figure 119 - DHS Market [\$B] by DHS Agency - 2009-2014	299
Figure 120 - DHS – Market Forecast by DHS Agency Share [%] - 2009 & 2014	300
Figure 121 - TSA – Organizational Structure.....	302
Figure 122 - TSA Screening Partnership Program Funding & Market [\$M] - 2009-2014	304
Figure 123 - TSA Passenger and Baggage Screening Program Funding & Market [\$M] - 2009-2014	305
Figure 124 - TSA Screening Training Program Funding & Market [\$M] - 2009-2014	306
Figure 125 - TSA Checkpoint Support Program Funding & Market [\$M] - 2009-2014	310
Figure 126 - TSA EDS and ETD Procurement and Installation Program Funding & Market [\$M] - 2009-2014	312
Figure 127 - TSA Screening Technology Maintenance & Utilities Program Funding & Market [\$M] - 2009-2014.....	315
Figure 128 - TSA Aviation Regulation and Other Enforcement Program Funding & Market [\$M] - 2009-2014	317
Figure 129 - TSA Airport Management, IT, and Support Program Funding & Market [\$M] - 2009-2014	321
Figure 130 - TSA FFDO and Flight Crew Training Program Funding & Market [\$M] - 2009-2014	323

Figure 131 - TSA Air Cargo Program Funding & Market [\$M] - 2009-2014	326
Figure 132 - TSA Surface Transportation Security Program Funding & Market [\$M] - 2009-2014	334
Figure 133 - TSA Secure Flight Program Funding & Market [\$M] - 2009-2014	336
Figure 134 - TSA Transportation Worker Identification Credential (TWIC) Funding & Market [\$M] - 2009-2014.....	337
Figure 135 - TSA Hazardous Materials Endorsement Threat Assessment Program Funding & Market [\$M] - 2009-2014 (HTAP).....	338
Figure 136 - TSA Alien Flight Student Program Funding & Market [\$M] - 2009- 2014 (AFSP).....	339
Figure 137 - TSA Crew and Other Vetting Program Funding & Market [\$M] - 2009- 2014	341
Figure 138 - TSA Certified Cargo Screening Program Funding & Market [\$M] - 2009-2014	342
Figure 139 - TSA Large Aircraft Security Plan Program Funding & Market [\$M] - 2009-2014	343
Figure 140 - TSA Secure Identification Display Area Checks Program Funding & Market [\$M] - 2009-2014	344
Figure 141 - TSA Transportation Security Support Program Funding & Market [\$M] - 2009-2014	346
Figure 142 - TSA Federal Air Marshal Service Program Funding & Market [\$M] - 2009-2014	347
Figure 143 - TSA – Consolidated Funding vs. Market [\$M] - 2009-2014.....	349
Figure 144 - Counter-MANPAD Project Chloe.....	350
Figure 145 - TSA – Market [\$M] - 2009-2014	351
Figure 146 - Borders Under Effective Control.....	353
Figure 147 - CBP – Organizational Structure	354
Figure 148 - Conceptual View of SBInet Technologies to be Deployed	355
Figure 149 - CBP Secure Border Initiative Program Funding & Market [\$M] - 2009-2014	356
Figure 150 - CBP Inspection and Detection Technology Program Funding & Market [\$M] - 2009-2014	358
Figure 151 - CBP Systems for Targeting Program Funding & Market [\$M] - 2009- 2014	359
Figure 152 - CBP C-TPAT Program Funding & Market [\$M] - 2009-2014.....	361
Figure 153 - CBP International Cargo Screening - CSI and SFI Funding & Market [\$M] - 2009-2014	362
Figure 154 - CBP Other International Funding & Market [\$M] - 2009-2014.....	367
Figure 155 - CBP Trusted Traveler Programs (TT) Funding & Market [\$M] - 2009- 2014	368
Figure 156 - CBP Automated Commercial Environment (ACE) Funding & Market [\$M] - 2009-2014	372
Figure 157 - CBP Critical Operations Protection & Processing Support (COPPS) /TECS Modernization Funding & Market [\$M] - 2009-2014.....	375
Figure 158 - CBP Facility Construction and Sustainment Program Funding & Market [\$M] - 2009-2014	376
Figure 159 - CBP Air and Marine Interdiction Funding & Market [\$M] - 2009-2014.....	377
Figure 160 - CBP – Funding vs. HLS Market [\$B] - 2009-2014	382

Figure 161 - CBP – Market [\$M] - 2009-2014.....	384
Figure 162 - FEMA – Organizational Structure.....	386
Figure 163 - FEMA Operating Activities Program Funding & Market [\$M] - 2009-2014	387
Figure 164 - FEMA National Capital Region Program Funding & Market [\$M] - 2009-2014	390
Figure 165 - FEMA Urban Search and Rescue Program Funding & Market [\$M] - 2009-2014	391
Figure 166 - FEMA State and Regional Preparedness Program Funding & Market [\$M] - 2009-2014	392
Figure 167 - FEMA State HLS (SHSP) Program Funding & Market [\$M] - 2010-2014	393
Figure 168 - FEMA Firefighter Support Grants Program Funding & Market [\$M] - 2009-2014	394
Figure 169 - FEMA Regional Catastrophic Preparedness Grant Program Funding & Market [\$M] - 2009-2014.....	395
Figure 170 - FEMA Emergency Management Performance Grants (EMPG) Program Funding & Market [\$M] - 2009-2014	396
Figure 171 - FEMA Metropolitan Statistical Area (MSA) Preparedness Program Funding & Market [\$M] - 2009-2014.....	397
Figure 172 - FEMA Urban Area Security Initiative (UASI) Program Funding & Market [\$M] - 2009-2014	398
Figure 173 - FEMA Rail & Transit Security Grant Program Funding & Market [\$M] - 2009-2014.....	399
Figure 174 - FEMA Port Security Grant Program Funding & Market [\$M] - 2009-2014	400
Figure 175 - FEMA Buffer Zone Protection Program Funding & Market [\$M] - 2009-2014	401
Figure 176 - FEMA Training, Measurement, and Exercise Program Funding & Market [\$M] - 2009-2014	402
Figure 177 - FEMA National Exercise Program (NEP) Program Funding & Market [\$M] - 2009-2014	403
Figure 178 - FEMA Continuing Training Grants Program Funding & Market [\$M] - 2009-2014	404
Figure 179 - FEMA Center for Domestic Preparedness Program Funding & Market [\$M] - 2009-2014	405
Figure 180 - FEMA National Domestic Preparedness Consortium Program Funding & Market [\$M] - 2009-2014.....	406
Figure 181 - FEMA Technical Support (TA) and Evaluation and Assessment Program Funding & Market [\$M] - 2009-2014	407
Figure 182 - FEMA Fire Administration Program Funding & Market [\$M] - 2009-2014	408
Figure 183 - FEMA Radiological Emergency Preparedness Program Funding & Market [\$M] - 2009-2014	409
Figure 184 - FEMA Emergency Food and Shelter Program Funding & Market [\$M] - 2009-2014	410
Figure 185 - FEMA Disaster Relief Fund Program Funding & Market [\$M] - 2009-2014	411

Figure 186 - FEMA Flood Hazard Mapping and Risk Analysis Program Funding & Market [\$M] - 2009-2014	413
Figure 187 - FEMA National Flood Insurance Program (NFIP) Program Funding & Market [\$M] - 2009-2014	414
Figure 188 - FEMA Mapping and Risk Analysis Program Funding & Market [\$M] - 2009-2014	415
Figure 189 - FEMA – Consolidated Funding vs. Market [\$M] - 2009-2014.....	416
Figure 190 - FEMA – Market [\$M] - 2009-2014	417
Figure 191 - ICE – Organizational Structure.....	419
Figure 192 - ICE Visa Security Program Funding & Market [\$M] - 2009-2014	420
Figure 193 - ICE Criminal Alien Program Funding & Market [\$M] - 2009-2014	422
Figure 194 - ICE Transportation and Removal Program Funding & Market [\$M] - 2009-2014	423
Figure 195 - ICE Comprehensive Identification and Removal of Criminal Aliens Program Funding & Market [\$M] - 2009-2014	424
Figure 196 - ICE Automation Modernization Program Funding & Market [\$M] - 2009-2014	425
Figure 197 - ICE Managed IT Investment Program Funding & Market [\$M] - 2009-2014	430
Figure 198 - ICE Investigations Program Funding & Market [\$M] - 2009-2014	431
Figure 199 - ICE Domestic Investigations Program Funding & Market [\$M] - 2009-2014	432
Figure 200 - ICE International Investigations Program Funding & Market [\$M] - 2009-2014	433
Figure 201 - ICE – Consolidated Funding vs. Market [\$B] - 2009-2014	434
Figure 202 - ICE – Consolidated Market [\$M] - 2009-2014	435
Figure 203 - US Coast Guard Funding by Missions	437
Figure 204 - Variety of Technical Means Used by Coast Guards	439
Figure 205 - Coast Guard Deep Water Maritime Security Platforms	440
Figure 206 - US Coast Guard Organizational Structure	441
Figure 207 - USCG Defense Readiness Program Funding & Market [\$M] - 2009-2014	443
Figure 208 - USCG Migrant Interdiction Program Funding & Market [\$M] - 2009-2014	444
Figure 209 - USCG Other Law Enforcement Measures Program Funding & Market [\$M] - 2009-2014	445
Figure 210 - USCG Ports, Waterways and Coastal Security (PWCS) Program Funding & Market [\$M] - 2009-2014.....	446
Figure 211 - USCG – Funding vs. Market [\$M] - 2009-2014	449
Figure 212 - USCG – Market [\$M] - 2009-2014	450
Figure 213 - USSS Electronic Crimes Special Agent (ECSAP) Program Funding & Market [\$M] - 2009-2014	453
Figure 214 - USSS – Funding vs. Market [\$M] - 2009-2014.....	456
Figure 215 - USSS – Market [\$M] - 2009-2014	457
Figure 216 - Directorate of S&T Partners and Affiliates	458
Figure 217 - The S&T six B's.....	459
Figure 218 - S&T Organizational Structure.....	460

Figure 219 - S&T Border & Maritime Security Program Funding & Market [\$M] - 2009-2014	463
Figure 220 - S&T Border Officer Tools and Safety Program Funding & Market [\$M] 2009-2014	465
Figure 221 - S&T Border Technologies Program Funding & Market [\$M] - 2010-2014	466
Figure 222 - S&T Maritime Technologies Program Funding & Market [\$M] - 2010-2014	467
Figure 223 - S&T Cargo and Conveyance Security Program Funding & Market [\$M] 2010-2014	468
Figure 224 - S&T Chemical and Biological Program Funding & Market [\$M] - 2009-2014	469
Figure 225 - S&T Systems Studies and Decision Tools Program Funding & Market [\$M] - 2010-2014	470
Figure 226 - S&T Threat Awareness Program Funding & Market [\$M] - 2010-2014 ...	471
Figure 227 - S&T Surveillance and Detection R&D Program Funding & Market [\$M] 2009-2014	472
Figure 228 - S&T Forensics Program Funding & Market [\$M] - 2010-2014.....	473
Figure 229 - S&T Response and Restoration Program Funding & Market [\$M] - 2010-2014	474
Figure 230 - S&T Foreign Animal Diseases Program Funding & Market [\$M] - 2010-2014	475
Figure 231 - S&T Analysis Program Funding & Market [\$M] - 2010-2014.....	476
Figure 232 - S&T Detection Program Funding & Market [\$M] - 2010-2014	477
Figure 233 - S&T Response and Recovery Program Funding & Market [\$M] - 2010-2014	478
Figure 234 - S&T Command, Control and Interoperability Program Funding & Market [\$M] - 2009-2014	479
Figure 235 - S&T Basic/Futures Research (BFR) Program Funding & Market [\$M] - 2010-2014.....	480
Figure 236 - S&T Office for Interoperability and Compatibility (OIC) Program Funding & Market [\$M] - 2010-2014.....	481
Figure 237 - S&T Cyber-Security Research Tools and Techniques (RTT) Program Funding & Market [\$M] - 2010-2014.....	482
Figure 238 - S&T Information Infrastructure Security (IIS) Program Funding & Market [\$M] - 2010-2014	483
Figure 239 - S&T Next Generation Technology (NGT) Program Funding & Market [\$M] - 2010-2014	484
Figure 240 - S&T Emerging Threats Program Funding & Market [\$M] - 2010-2014....	485
Figure 241 - S&T Intelligence, Surveillance, and Reconnaissance (ISR) Program Funding & Market [\$M] - 2010-2014.....	486
Figure 242 - S&T Risk Sciences Program Funding & Market [\$M] 2010-2014.....	488
Figure 243 - S&T Collaborative Information Sharing Program Funding & Market [\$M] - 2010-2014	489
Figure 244 - S&T Knowledge Frameworks Program Funding & Market [\$M] - 2010-2014	490
Figure 245 - S&T Advanced Forensic Technologies Program Funding & Market [\$M] - 2010-2014	491

Figure 246 - S&T Investigative Technologies Program Funding & Market [\$M] - 2010-2014	492
Figure 247 - S&T Explosives Related Program Funding & Market [\$M] - 2009-2014	493
Figure 248 - S&T Cargo Program Funding & Market [\$M] - 2010-2014	494
Figure 249 - S&T Canine Explosives Detection Program Funding & Market [\$M] - 2010-2014	495
Figure 250 - S&T Check Point Program Funding & Market [\$M] - 2010-2014	496
Figure 251 - S&T Homemade Explosives (HME) Program Funding & Market [\$M] - 2010-2014	497
Figure 252 - S&T Manhattan II Program Funding & Market [\$M] - 2010-2014	498
Figure 253 - S&T Conveyance Protection Program Funding & Market [\$M] - 2010-2014	500
Figure 254 - S&T Explosives Research Program Funding & Market [\$M] - 2010-2014	501
Figure 255 - S&T Prevent/Deter Program Funding & Market [\$M] - 2010-2014	502
Figure 256 - S&T Predict Program Funding & Market [\$M] - 2010-2014	503
Figure 257 - S&T Detect Program Funding & Market [\$M] - 2010-2014	504
Figure 258 - S&T Respond/Defeat Program Funding & Market [\$M] - 2010-2014	505
Figure 259 - S&T Mitigate Program Funding & Market [\$M] - 2010-2014	506
Figure 260 - S&T Crosscutting Program Funding & Market [\$M] - 2010-2014	507
Figure 261 - S&T Human Factors Program Funding & Market [\$M] - 2009-2014	508
Figure 262 - Human Systems Research and Engineering Program Funding & Market [\$M] - 2010-2014	509
Figure 263 - S&T Technology Acceptance and Integration Program Funding & Market [\$M] - 2010-2014	510
Figure 264 - S&T Biometrics Program Funding & Market [\$M] - 2010-2014	511
Figure 265 - S&T Community Preparedness and Resilience Program Funding & Market [\$M] - 2010-2014	512
Figure 266 - S&T Motivation and Intent (M&I) Program Funding & Market [\$M] - 2010-2014	513
Figure 267 - S&T Suspicious Behavior Detection Program Funding & Market [\$M] - 2010-2014	514
Figure 268 - S&T Infrastructure and Geophysical Program Funding & Market [\$M] - 2009-2014	515
Figure 269 - S&T Advanced Surveillance and Detection Systems Program Funding & Market [\$M] - 2010-2014	516
Figure 270 - S&T Modeling, Simulation, and Analysis Program Funding & Market [\$M] - 2010-2014	517
Figure 271 - S&T Protective Technologies Program Funding & Market [\$M] - 2010-2014	518
Figure 272 - S&T Response and Recovery Technologies Program Funding & Market [\$M] - 2010-2014	519
Figure 273 - S&T Geophysical Program Funding & Market [\$M] - 2010-2014	520
Figure 274 - S&T First Responder Technologies Program Funding & Market [\$M] - 2010-2014	521
Figure 275 - S&T First Geospatial Analysis Program Funding & Market [\$M] - 2011-2014	522

Figure 276 - S&T Incident Management Enterprise Program Funding & Market [\$M] - 2010-2014	523
Figure 277 - S& Integrated Modeling, Mapping and Simulation Program Funding & Market [\$M] - 2010-2014.....	524
Figure 278 - S&T Innovation Program Funding & Market [\$M] - 2009-2014.....	526
Figure 279 - S&T Biometric Detector Program Funding & Market [\$M] - 2010-2014... <td>527</td>	527
Figure 280 - S&T Future Attribute Screening Technologies Mobile Module (FASTM2) Project Program Funding & Market [\$M] - 2010-2014.....	528
Figure 281 - S&T Multi-modal Tunnel Detect Project Program Funding & Market [\$M] - 2010-2014	530
Figure 282 - S&T Rapid Liquid Component Detector (MagViz) Project Program Funding & Market [\$M] - 2010-2014.....	531
Figure 283 - S&T Resilient Electric Grid (REG) Project Program Funding & Market [\$M] -2009-2014.....	532
Figure 284 - S&T Resilient Tunnel Project Program Funding & Market [\$M] - 2010-2014	533
Figure 285 - S&T Safe Container /Time Recorded Ubiquitous Sensor Technology (TRUST) Program Funding & Market [\$M] - 2010-2014.....	534
Figure 286 - S&T Very Low Cost Bio Agent Detect Program Funding & Market [\$M] 2010-2014	535
Figure 287 - S&T Wide Area Surveillance Program Funding & Market [\$M] - 2010- 2014	536
Figure 288 - S&T Operationally Deployable Explosives Mitigation Program Funding & Market [\$M] - 2011-2014.....	537
Figure 289 - S&T Passive Methods for Precision Behavioral Screening Program Funding & Market [\$M] - 2011-2014.....	538
Figure 290 - S&T Laboratory Facilities Program Funding & Market [\$M] - 2009- 2014	539
Figure 291 - S&T Radiological and Nuclear Program Funding & Market [\$M] - 2011-2014	540
Figure 292 - S&T Nuclear Detection Advanced Technology Demonstration (ATD) Program Funding & Market [\$M] - 2011-2014	541
Figure 293 - S& Response and Recovery Program Funding & Market [\$M] - 2011- 2014	542
Figure 294 - S&T Nuclear Detection Exploratory Research Program Funding & Market [\$M] - 2011-2014	543
Figure 295 - S& Academic Research Initiative (ARI) Program Funding & Market [\$M] - 2011-2014	544
Figure 296 - S&T Test and Evaluation Standards Program Funding & Market [\$M] 2009-2014	545
Figure 297 - S&T Transition Program Funding & Market [\$M] - 2009-2014	546
Figure 298 - S&T Transition Program Funding & Market [\$M] - 2009-2014	548
Figure 299 - S&T – Funding vs. Market [\$M] - 2009-2014.....	549
Figure 300 - S&T – Market [\$M] - 2009-2014	551
Figure 301 - Domestic Detection and Interdiction Architecture.....	553
Figure 302 - DND - FY 2011 Organizational Structure.....	554
Figure 303 - DND Systems Engineering and Architecture Program Funding & Market [\$M] - 2009-2014	555

Figure 304 - DNDOD Systems Development Program Funding & Market [\$M] - 2009-2014	558
Figure 305 - DNDOD Transformational R&D Program Funding & Market [\$M] - 2009-2014	563
Figure 306 - DNDOD Assessment Program Funding & Market [\$M] - 2009-2014	565
Figure 307 - DNDOD Operations Support Program Funding [\$M] - 2009-2014	568
Figure 308 - DNDOD National Technical Nuclear Forensics Program Funding & Market [\$M] - 2009-2014	572
Figure 309 - DNDOD Radiation Portal Monitor Program Funding & Market [\$M] - 2009-2014	573
Figure 310 - DNDOD Securing the Cities Initiative Program Funding & Market [\$M] - 2009-2014	574
Figure 311 - DNDOD Human Portable Radiation Detection Systems Program Funding & Market [\$M] - 2009-2014	575
Figure 312 - DNDOD – Funding and Market [\$M] - 2009-2014	577
Figure 313 - DNDOD – Market [\$M] - 2009-2014	579
Figure 314 - Departmental Management & Operations – Organizational Structure	581
Figure 315 - DMO IT Services Program Funding & Market [\$M] - 2009-2014	583
Figure 316 - DMO Infrastructure and Security Program Funding & Market [\$M] - 2009-2014	584
Figure 317 - DMO National Security Systems (NSS) Program Funding & Market [\$M] - 2009-2014	585
Figure 318 - DMO Human Resources Information Technology (HRIT) Program Funding & Market [\$M] - 2009-2014	587
Figure 319 - DMO Headquarters Consolidation Program Funding & Market [\$M] - 2009-2014	588
Figure 320 - DMO DHS HQ NAC Program Funding & Market [\$M] - 2009-2014	589
Figure 321 - DMO – Funding vs. Market [\$M] - 2009-2014	590
Figure 322 - DMO – Market [\$M] - 2009-2014	591
Figure 323 - A&O – Funding vs. Market [\$M] - 2009-2014	593
Figure 324 - DHS I&A and OPS – Market [\$M] - 2009-2014	594
Figure 325 - FLETC – Organizational Structure	596
Figure 326 - FLETC Law Enforcement Training Program Funding & Market [\$M] - 2009-2014	598
Figure 327 - FLETC Acquisition, Construction, Improvements & Related Program Funding & Market [\$M] - 2009-2014	599
Figure 328 - FLETC – Funding vs. Market [\$M] - 2009-2014	601
Figure 329 - FLETC – Market [\$M] - 2009-2014	602
Figure 330 - USCIS – Organizational Structure	605
Figure 331 - USCIS E-Verify Program Funding & Market [\$M] - 2009-2014	607
Figure 332 - USCIS Real-ID Program Funding & Market [\$M] - 2009-2014	608
Figure 333 - USCIS Systematic Alien Verification for Entitlements (SAVE) Program Funding & Market [\$M] - 2010-2014	610
Figure 334 - USCIS Data Center Development Program Funding & Market [\$M] - 2010-2014	611
Figure 335 - USCIS – Market [\$M] - 2009-2014	613
Figure 336 - NPPD Infrastructure Protection (IP) Program Funding & Market [\$M] - 2009-2014	615

Figure 337 - NPPD Infrastructure Protection (IP) Program Funding & Market [\$M] - 2009-2014.....	616
Figure 338 - NPPD Coordination and Information Sharing Program Funding & Market [\$M] - 2009-2014	617
Figure 339 - NPPD Mitigation Program Funding & Market [\$M] - 2009-2014	618
Figure 340 - NPPD CS&C Programs Overview Program Funding & Market [\$M] - 2009-2014	620
Figure 341 - NPPD US Computer Emergency Readiness Team Program Funding & Market [\$M] - 2010-2014.....	621
Figure 342 - NPPD Strategic Initiatives Program Funding & Market [\$M] - 2010-2014	622
Figure 343 - NPPD Outreach and Program Funding & Market [\$M] - 2010-2014.....	623
Figure 344 - NPPD Priority Telecommunications Services Program Funding & Market [\$M] - 2009-2014	624
Figure 345 - NPPD Next Generation Network Program Funding & Market [\$M] - 2009-2014	625
Figure 346 - NPPD Programs to Study and Enhance Telecommunications Program Funding & Market [\$M] - 2009-2014	626
Figure 347 - NPPD Critical Infrastructure Protection Program Funding & Market [\$M] - 2009-2014	627
Figure 348 - NPPD Federal Protective Service Program Funding & Market [\$M] - 2009-2014	628
Figure 349 - NPPD US-VISIT Program Funding & Market [\$M] - 2009-2014	630
Figure 350 - NPPD – Funding vs. Market [\$M] - 2009-2014.....	633
Figure 351 - NPPD – Market [\$M] - 2009-2014	634
Figure 352 - OHA Medical and Bio-defense Program Funding & Market [\$M] - 2009-2014	636
Figure 353 - OHA Bio-Watch Program Funding & Market [\$M] - 2009-2014	638
Figure 354 - OHA Rapidly Deployable Chemical Detection System Program Funding & Market [\$M] - 2009-2014.....	640
Figure 355 - OHA National Bio-Surveillance Integration Center Program Funding & Market [\$M] - 2009-2014.....	642
Figure 356 - OHA – Funding vs. Market [\$M] - 2009-2014.....	643
Figure 357 - OHA – Market [\$M] - 2009-2014	644
Figure 358 - OIG – Funding vs. Market [\$M] - 2009-2014	645
Figure 359 - OIG – Market [\$M] - 2009-2014.....	646
Figure 360 - DOD – HLS Funding vs. HLS Market [\$M] - 2009-2014	648
Figure 361 - DOD – Funding Structure by Mission [%], 2011	649
Figure 362 - DOD – HLS Market [\$M] - 2009-2014	649
Figure 363 - DHHS – Organizational Structure.....	652
Figure 364 - FDA Organization & Units	656
Figure 365 - HHS – HLS Funding vs. HLS Market [\$M] - 2009-2014	658
Figure 366 - DHHS – HLS Market [\$M] - 2009-2014	659
Figure 367 - DHHS – Funding Structure by Mission [%], 2011	660
Figure 368 - DOJ – Organizational Structure.....	662
Figure 369 - FBI – Organizational Structure	665
Figure 370 - DOJ – HLS Funding & Market [\$M] - 2009-2014	667
Figure 371 - DOJ – HLS Market [\$M] - 2009-2014	668

Figure 372 - DOJ – HLS Funding Structure by Mission [%], 2011	669
Figure 373 - DOE – Organizational Structure	671
Figure 374 - DOE – Funding vs. Market [\$M] - 2009-2014	672
Figure 375 - DOE – Funding Structure by Mission [%], 2011	673
Figure 376 - DOE – HLS Market [\$M] - 2009-2014	674
Figure 377 - DOS – Organizational Structure	676
Figure 378 - DOS – Funding vs. Market [\$M] - 2009-2014	679
Figure 379 - DOS – Funding Structure by Mission [%], 2011	680
Figure 380 - DOS – Market [\$M] - 2009-2014	681
Figure 381 - USDA – Organizational Structure	683
Figure 382 - USDA – Funding vs. Market [\$M] - 2009-2014	685
Figure 383 - USDA – Funding Structure by Mission [%], 2011	686
Figure 384 - USDA – Market [\$M] - 2009-2014	687
Figure 385 - NSF – Organizational Structure	689
Figure 386 - NSF – Funding vs. Market [\$M] - 2009-2014	691
Figure 387 - NSF – Funding Structure by Mission [%], 2011	692
Figure 388 - NSF – Market [\$M] - 2009-2014	692
Figure 389 - Example of a NASA HLS Program Setup for Integrated System IT	694
Figure 390 - NASA – Funding vs. Market [\$M] - 2009-2014	695
Figure 391 - NASA – Funding Structure by Mission [%], 2011	696
Figure 392 - NASA – Market [\$M] - 2009-2014	697
Figure 393 - DOT – Organizational Structure	699
Figure 394 - DOT – Funding vs. Market [\$M] - 2009-2014	702
Figure 395 - DOT – Funding Structure by Mission [%], 2011	703
Figure 396 - DOT – Market [\$M] - 2009-2014	704
Figure 397 - DOC – Organizational Structure	706
Figure 398 - DOC – Funding vs. Market [\$M] - 2009-2014	708
Figure 399 - DOC – Funding Structure by Mission [%], 2010	709
Figure 400 - DOC – Market [\$M] - 2009-2014	710
Figure 401 - Aviation Security, the 10 Layers of Defense	714
Figure 402 - CBP Pre-screening Systems and Data Flow	715
Figure 403 - Checked Luggage EDS Screening Configuration – 1	720
Figure 404 - Airport Perimeter Security Systems	723
Figure 405 - Airport Perimeter Environment	724
Figure 406 - Aviation Security Market, Drivers, Inhibitors and Government Impact	727
Figure 407 - SWOT Analysis	730
Figure 408 - Aviation Security Market - Competitive Analysis	732
Figure 409 - US Aviation Security Market [\$Million] - 2009-2014	733
Figure 410 - Bio-Detection Modalities	738
Figure 411 - Bio-Chem Detection HLS-HLD Market, Drivers & Inhibitors and Government Impact	742
Figure 412 - Bio-Chem Detection Market: SWOT Analysis	746
Figure 413 - Bio-Chem Detection Industry Competitive Analysis	747
Figure 414 - US Bio-Chem Detection Market [\$Million] - 2009-2014	748
Figure 415 - Biometric-Based Security Systems: Market, Drivers & Inhibitors and Government Impact	752
Figure 416 - US Biometric Market [\$Million] - 2009-2014	755
Figure 417 - Example the US Border and Transportation Security Tasks	758

Figure 418 - Border & Perimeter Security Border & Perimeter Security Market, Drivers & Inhibitors and Government Impact.....	762
Figure 419 - US Border & Perimeter Security Market [\$Million] - 2009-2014	765
Figure 420 - HLS-HLD related Construction Industry Market, Drivers & Inhibitors and Government Impact.....	767
Figure 421 - US HLS-HLD Construction Market [\$Million] - 2009-2014.....	769
Figure 422 - The US Critical Infrastructure Security Infrastructure	773
Figure 423 - Hierarchy of Critical Infrastructures	775
Figure 424 - Critical Infrastructure Investment Priorities Scheme.....	776
Figure 425 - Critical Infrastructure Security Market- Drivers, Inhibitors and Government Impact.....	777
Figure 426 - US Critical Infrastructure Security Market [\$Million] - 2009-2014	780
Figure 427 - HLS-HLD Electronic Hardware Industry Market, Drivers, Inhibitors and Government Impact.....	783
Figure 428 - US Electronic Hardware Market [\$Million] - 2009-2014	785
Figure 429 - First Responders C3I Structure and Conflicts	788
Figure 430 - The USA Pre 9/11 Multi-Agency Coordination Scheme	789
Figure 431 - The First Responders Missions	790
Figure 432 - First Responders Bio-Chem Threats and Signatures	791
Figure 433 - Foundation of First Responder Planning	792
Figure 434 - First Responder Missions Spectrums.....	793
Figure 435 - Figure 436 - First Responders Mobile C3I System.....	794
Figure 437 - First Responders Training Procedures	794
Figure 438 - US First Responders Equipment Market [\$Million] - 2009-2014.....	798
Figure 439 - Guard Services HLS-HLD Market, Drivers & Inhibitors and Government Impact.....	801
Figure 440 - US Guard Services Market [\$Million] - 2009-2014	803
Figure 441 - The USA Terrorist Watch List and Screening Flowchart	814
Figure 442 - HLS-HLD Information Technology – Market Challenges, Drivers, Inhibitors and Technology Challenges	816
Figure 443 - US HLS-HLD ICT Systems Market [\$Million] - 2009-2014	819
Figure 444 - Maintenance, Upgrade & Refurbishment Market – Challenges, Drivers, Inhibitors and Technology Challenges	821
Figure 445 - US Maintenance, Upgrade & Refurbishment Market [\$Million] - 2009-2014	823
Figure 446 - Illustrative Electronic-seal Reading in Maritime Supply Chain.....	825
Figure 447 - Decision Superiority in the Maritime Security Domain.....	829
Figure 448 - Maritime Supply Chain vs. Security Legislation	830
Figure 449 - Typical Container Booking / Bill of Landing Cycle: Before and After 24-hours Advance Notification.....	833
Figure 450 - US USCG Funding by Missions	837
Figure 451 - US Maritime HLS-HLD Market, Drivers & Inhibitors and Government Impact	842
Figure 452 - Maritime Security Market – Competitive Analysis.....	845
Figure 453 - US Maritime Security Market [\$Million] - 2009-2014	846
Figure 454 - The SAFECOM Interoperability Continuum Roadmap	850
Figure 455 - HLS-HLD Radio Communication Industry HLS-HLD Market, Drivers, Inhibitors and Government Impact	852

Figure 456 - US Radio-Communication Market [\$Million] - 2009-2014.....	854
Figure 457 - RFID-based HLS-HLD Systems Market, Drivers, Inhibitors and Government Impact.....	857
Figure 458 - US RFID Based Market [\$Million] - 2009-2014	863
Figure 459 - US CCTV Threat Identification Market [\$Million] - 2009-2014.....	871
Figure 460 - Covert MMWave Sensor at a Door.....	875
Figure 461 - Screening of Hand-held Baggage	875
Figure 462 - Active Standoff MMWave Imaging Technologies Using Separate and Integrated Sources of Scene Illumination	876
Figure 463 - CCTV, IR & MMWave Images.....	877
Figure 464 - Passive MM-Wave Image of a Person with a Concealed Weapon	878
Figure 465 - Short Range Standoff Explosives Detection Setup	879
Figure 466 - SWOT Analysis	886
Figure 467 - US Standoff Explosives Detection Systems Market [\$Million] - 2009- 2014	887