Line Number	Program Element	Budget Project	Program	Budget Activity	FY13 Actual	FY14	FY15	FY16	FY17	FY18	FY19	FY15-19
Missile Defense Agency **Fiscal Year 2015-2019 President`s Budget** **FY 2015 through FY 2019 Appropriation Summary** **($ Thousands)**												
Operations & Maintenance												
011A	0208866C		Operations & Maintenance	NA	221,609	369,371	416,644	421,633	434,974	454,477	459,678	2,187,406
		MD08	Ground Base Midcourse	NA	0	137,776	146,218	150,646	156,822	166,510	168,630	788,826
		MD07	THAAD	NA	37,016	73,632	75,713	71,800	78,192	83,014	84,713	393,432
		MD09	AEGIS	NA	11,050	17,738	11,666	6,242	5,853	6,612	3,640	34,013
		MD11	BMDS AN/TPY-2 Radars	NA	173,543	140,225	183,047	192,945	194,107	198,341	202,695	971,135
			Budget Activity NA Total	NA	221,609	369,371	416,644	421,633	434,974	454,477	459,678	2,187,406
			O&M Total	NA	221,609	369,371	416,644	421,633	434,974	454,477	459,678	2,187,406
Procurement												
NA	0208866C		PROCUREMENT	NA	1,464,168	1,560,174	1,418,620	1,610,424	1,783,210	1,836,205	1,964,757	8,613,216
		MD09	Less: Advanced Procurement (PY)	NA	0	0	0	-68,880	-70,189	-69,819	-88,499	-297,387
28		MD09	AEGIS BMD Advance Procurement (CY)	NA	0	0	68,880	70,189	69,819	88,499	90,180	387,567
		MD09	Proc Cost (Non Add Entry)	NA	0	0	68,880	1,309	-370	18,680	1,681	90,180
29		MD07	THAAD	NA	416,838	571,851	464,424	602,692	533,258	491,026	459,124	2,550,524
30		MD09	AEGIS BMD	NA	463,374	580,814	435,430	740,338	976,716	1,072,682	1,291,465	4,516,631
31		MD11	BMDS AN/TPY-2 Radars	NA	378,574	55,800	48,140	79,224	56,951	6,217	32,587	223,119
32		MD73	Aegis Ashore Phase III	NA	0	131,400	225,774	36,861	63,655	71,600	0	397,890
33		MD77	Radar Spares	NA	10,901	0	0	0	0	0	0	0
34		MD83	Iron Dome	NA	194,481	220,309	175,972	0	0	0	0	175,972
		MD78	Aegis Spares	NA	0	0	0	0	0	20,000	20,000	40,000
		MD08	Ground Based Midcourse	NA	0	0	0	150,000	153,000	156,000	159,900	618,900
			Budget Activity NA Total	NA	1,464,168	1,560,174	1,418,620	1,610,424	1,783,210	1,836,205	1,964,757	8,613,216
			Procurement Total	NA	1,464,168	1,560,174	1,418,620	1,610,424	1,783,210	1,836,205	1,964,757	8,613,216
RDT&E												
31	0603175C		Ballistic Missile Defense Technology	3	69,438	9,321	0	0	0	0	0	0
		MD25	Advanced Technology Development	3	66,024	0	0	0	0	0	0	0
		MD40	Program Wide Support	3	3,414	9,321	0	0	0	0	0	0
32	0603176C		Advanced Concepts and Performance Assessment	3	0	6,919	8,470	10,683	10,867	11,687	11,994	53,701
		MD71	Advanced Concepts and Performance Assessments	3	0	6,919	7,986	10,092	10,201	10,897	11,138	50,314
		MD40	Program-Wide Support	3	0	0	484	591	666	790	856	3,387
33	0603177C		Discrimination Sensor Technology	3	0	29,642	45,110	59,278	60,054	62,897	21,051	248,390
		MC95	Cyber Operations	3	0	168	250	252	255	257	260	1,274
		MD95	Discrimination Sensor Technology	3	0	29,474	42,553	55,748	56,270	57,713	18,886	231,170
		MD40	Program-Wide Support	3	0	0	2,307	3,278	3,529	4,927	1,905	15,946
34	0603178C		Weapons Technology	3	0	46,708	14,068	36,494	46,026	56,037	83,722	236,347
		MD69	Directed Energy Research	3	0	22,944	13,348	34,476	43,203	52,251	77,743	221,021
		MD72	Interceptor Technology	3	0	23,764	0	0	0	0	0	0
		MD40	Program-Wide Support	3	0	0	720	2,018	2,823	3,786	5,979	15,326
35	0603179C		Advanced C4ISR	3	0	36,500	15,329	10,389	3,942	0	0	29,660
		MD01	Communications (C2BMC)	3	0	24,000	0	0	0	0	0	0
		MD73	Advanced C4ISR	3	0	12,500	14,545	9,815	3,700	0	0	28,060
		MD40	Program-Wide Support	3	0	0	784	574	242	0	0	1,600
36	0603180C		Advanced Research	3	0	19,188	16,584	16,715	16,924	18,336	18,723	87,282
		MD25	Advanced Technology Development	3	0	19,188	15,787	15,791	15,886	17,098	17,386	81,948
		MD40	Program-Wide Support	3	0	0	797	924	1,038	1,238	1,337	5,334
39	0603274C		Special Program - MDA Technology	3	32,926	36,426	51,033	9,900	0	0	0	60,933
		MD81	Special Programs - MDA Technology	3	32,926	36,426	51,033	9,900	0	0	0	60,933
44	0603294C		Common Kill Vehicle Technology	3	0	70,000	25,639	33,171	37,348	38,454	54,256	188,868

Line Number	Program Element	Budget Project	Program	Budget Activity	FY13 Actual	FY14	FY15	FY16	FY17	FY18	FY19	FY15-19
		MD85	Common Kill Vehicle Technology	3	0	70,000	24,327	31,337	35,058	35,519	49,595	175,836
		MD40	Program Wide Support	3	0	0	1,312	1,834	2,290	2,935	4,661	13,032
69	0603901C		Directed Energy Research	3	20,024	0	0	0	0	0	0	0
		MD69	Directed Energy Research	3	18,923	0	0	0	0	0	0	0
		MD40	Program-Wide Support	3	1,101	0	0	0	0	0	0	0
70	0603902C		Block IIB (SM-3 IIB))	3	58,952	0	0	0	0	0	0	0
		MD70	Standard Missile-3 Block IIB (SM-3 IIB)	3	54,563	0	0	0	0	0	0	0
		MD40	Program-Wide Support	3	4,389	0	0	0	0	0	0	0
			Budget Activity 03 Total	3	181,340	254,704	176,233	176,630	175,161	187,411	189,746	905,181
82	0603881C		Ballistic Missile Defense Terminal Defense Segment	4	267,396	255,918	299,598	221,008	288,405	286,421	273,365	1,368,797
		MD07	THAAD	4	192,800	215,627	169,162	190,530	205,837	199,622	211,151	976,302
		MC07	Cyber Operations	4	0	530	647	659	671	683	695	3,355
		MT07	THAAD Test	4	61,677	24,540	111,366	15,618	62,579	65,497	40,700	295,760
		MD06	Patriot Advanced Capability-3 (PAC-3)	4	961	1,091	1,082	1,217	1,243	1,267	1,298	6,107
		MD40	Program-Wide Support	4	11,958	14,130	17,341	12,984	18,075	19,352	19,521	87,273
83	0603882C		Ballistic Missile Defense Midcourse Defense Segment	4	923,506	910,852	1,003,768	1,131,060	937,998	690,524	628,342	4,391,692
		MD08	Ground Based Midcourse	4	679,108	759,249	763,354	746,987	551,889	491,651	505,671	3,059,552
		MD97	Improved Homeland Defense (HLD) Interceptors	4	0	0	99,500	264,000	261,500	67,000	13,000	705,000
		MC08	Cyber Operations	4	0	2,124	2,938	2,957	2,997	3,028	3,105	15,025
		MT08	Ground Based Midcourse Test	4	69,419	98,873	79,877	50,667	62,668	82,191	61,695	337,098
		MX08	Ground Based Midcourse Development Support	4	129,644	0	0	0	0	0	0	0
		MD40	Program-Wide Support	4	45,335	50,606	58,099	66,449	58,944	46,654	44,871	275,017
85	0603884C		Ballistic Missile Defense Sensors	4	306,896	366,590	392,893	462,030	448,763	403,272	368,125	2,075,083
		MD11	BMDS Radars	4	244,645	288,078	246,290	214,980	184,836	132,872	121,112	900,090
		MD96	Long Rand Disc Radar (LRDR)	4	0	0	50,500	136,300	152,000	145,400	132,000	616,200
		MC11	Cyber Operations	4	0	1,180	1,212	1,247	1,282	1,319	1,352	6,412
		MT11	BMDS Radars Test	4	43,953	62,011	71,309	81,782	82,287	96,435	87,372	419,185
		MD40	Program-Wide Support	4	18,298	15,321	23,582	27,721	28,358	27,246	26,289	133,196
86	0603890C		BMD Enabling Programs	4	336,763	372,309	410,863	412,264	400,813	531,752	637,123	2,392,815
		MD24	System Engineering & Integration	4	97,513	100,895	138,825	141,229	113,147	243,670	336,506	973,377
		MT23	Enabling - Test	4	29,288	42,814	22,661	18,897	19,637	19,216	17,299	97,710
		MD28	Intelligence & Security	4	28,627	32,134	40,231	41,283	42,075	43,569	44,690	211,848
		MD30	BMD Information Management Systems	4	97,258	92,411	97,097	95,087	104,976	91,876	93,524	482,560
		MC30	Cyber Operations	4	0	14,431	15,452	15,208	17,762	16,322	16,941	81,685
		MD31	Modeling & Simulation	4	40,832	41,188	41,957	44,489	46,323	50,274	51,262	234,305
		MC31	M&S Cyber Operations	4	0	0	223	229	234	240	246	1,172
		MD32	Quality, Safety, and Mission Assurance	4	28,505	30,115	30,637	31,621	31,541	31,674	32,343	157,816
		MD40	Program-Wide Support	4	14,740	18,321	23,780	24,221	25,118	34,911	44,312	152,342
87	0603891C		Special Programs - MDA	4	235,272	276,613	310,261	412,408	357,545	329,758	272,234	1,682,206
		MD27	Special Programs	4	235,272	276,613	310,261	412,408	357,545	329,758	272,234	1,682,206
88	0603892C		AEGIS BMD	4	958,506	909,928	929,208	955,825	911,095	866,678	721,426	4,384,232
		MD09	Aegis BMD	4	731,847	699,005	756,773	800,557	713,240	630,456	488,962	3,389,988
		MC09	Cyber Operations	4	0	260	265	269	273	279	279	1,365
		MT09	Aegis BMD Test	4	166,697	137,352	89,628	50,934	86,295	117,652	120,869	465,378
		MX09	Aegis BMD Development Support	4	12,094	23,960	28,758	47,911	54,187	59,736	59,797	250,389
		MD40	Program-Wide Support	4	47,868	49,351	53,784	56,154	57,100	58,555	51,519	277,112
89	0603893C		Space Tracking and Surveillance System	4	45,420	40,347	31,346	33,697	34,542	35,317	36,316	171,218
		MD12	Space Tracking and Surveillance System (STSS)	4	42,957	38,223	29,532	31,717	32,377	32,931	33,722	160,279
		MD40	Program-Wide Support	4	2,463	2,124	1,814	1,980	2,165	2,386	2,594	10,939
90	0603895C		Ballistic Missile Defense System Space Programs	4	5,977	6,515	6,389	7,112	7,290	7,454	7,665	35,910
		MD33	MD Space Exp Center (MDSEC)	4	5,727	6,173	6,020	6,695	6,834	6,950	7,117	33,616
		MD40	Program-Wide Support	4	250	342	369	417	456	504	548	2,294

Line Number	Program Element	Budget Project	Program	Budget Activity	FY13 Actual	FY14	FY15	FY16	FY17	FY18	FY19	FY15-19
91	0603896C		Management & Communication	4	344,431	405,319	443,484	456,182	462,525	452,937	465,638	2,280,766
		MD01	Communications (C2BMC)	4	206,874	232,170	269,921	273,114	275,395	260,852	283,287	1,362,569
		MC01	Cyber Operations	4	0	538	547	556	573	583	600	2,859
		MT01	C2BMC Test	4	41,520	54,252	56,237	57,401	52,582	59,577	45,960	271,757
		MX01	Communications (C2BMC) Development Support	4	79,068	96,208	91,111	98,293	104,913	101,175	102,539	498,031
		MD40	Program-Wide Support	4	16,969	22,151	25,668	26,818	29,062	30,750	33,252	145,550
92	0603898C		Ballistic Missile Defense Joint Warfighter Support	4	47,710	42,619	46,387	52,619	53,552	54,699	56,252	263,509
		MD03	Joint Warfighter Support	4	45,208	40,128	14,569	17,144	17,285	17,517	17,912	84,427
		MT03	Joint Warfighter Support Test	4	0	0	29,134	32,383	32,910	33,486	34,323	162,236
		MD40	Program-Wide Support	4	2,502	2,491	2,684	3,092	3,357	3,696	4,017	16,846
93	0603904C		(MDIOC)	4	61,684	52,095	58,530	51,738	61,594	53,885	55,414	281,161
		MD22	(MDIOC)	4	58,658	48,823	54,605	48,216	57,261	49,609	50,805	260,496
		MC22	Cyber Operations	4	0	534	537	482	472	635	651	2,777
		MD40	Program-Wide Support	4	3,026	2,738	3,388	3,040	3,861	3,641	3,958	17,888
94	0603906C		Regarding Trench	4	8,330	12,464	16,199	10,111	9,569	9,937	10,183	55,999
		MD35	Regarding Trench	4	8,330	12,464	16,199	10,111	9,569	9,937	10,183	55,999
95	0603907C		Sea Based X-Band Radar (SBX)	4	23,703	44,478	64,409	57,081	58,975	64,759	63,016	308,240
		MX46	Sea Based X-Band Radar Development Support	4	23,197	42,143	60,681	53,728	55,278	60,385	58,516	288,588
		MD40	Program-Wide Support	4	506	2,335	3,728	3,353	3,697	4,374	4,500	19,652
96	0603913C		Israeli Cooperative Programs	4	246,881	283,782	96,803	103,940	106,020	107,929	110,627	525,319
		MD20	Israeli Upper Tier	4	68,637	74,707	54,368	55,660	56,773	57,795	59,240	283,836
		MD26	Israeli ARROW Program	4	40,753	44,363	10,701	11,142	11,365	11,570	11,859	56,637
		MD34	Short Range Ballistic Missile Defense (SRBMD)	4	137,491	149,712	31,734	37,138	37,882	38,564	39,528	184,846
		MD83	Iron Dome	4	0	15,000	0	0	0	0	0	0
97	0603914C		Ballistic Missile Defense Test	4	438,114	337,993	386,482	340,811	369,920	417,712	413,194	1,928,119
		MT04	BMDS Test Program	4	417,738	318,907	366,186	322,925	349,373	393,123	387,479	1,819,086
		MC04	Cyber Operations	4	0	500	514	523	532	546	560	2,675
		MD40	Program Wide Support	4	20,376	18,586	19,782	17,363	20,015	24,043	25,155	106,358
98	0603915C		Ballistic Missile Defense Targets	4	438,523	491,170	485,294	419,537	512,098	426,085	429,822	2,272,836
		MT05	BMDS Targets Program	4	418,578	464,626	460,455	398,164	484,390	401,560	403,275	2,147,844
		MD40	Program Wide Support	4	19,945	26,544	24,839	21,373	27,708	24,525	26,547	124,992
109	0604880C		Land Based SM-3 (LBSM3)	4	243,876	129,374	123,444	32,641	26,337	22,889	17,825	223,136
		MD68	AEGIS Ashore	4	229,966	117,072	94,999	29,524	24,687	21,343	16,553	187,106
		MC68	Cyber Operations	4	0	242	0	0	0	0	0	0
		MT68	Aegis Ashore Test	4	650	5,130	21,300	1,200	0	0	0	22,500
		MD40	Program-Wide Support	4	13,260	6,930	7,145	1,917	1,650	1,546	1,272	13,530
110	0604881C		AEGIS SM-3 Block IIA Co-Development	4	416,723	308,493	263,695	175,871	67,451	0	0	507,017
		MD09	SM-3 Block IIA Co-Development	4	398,971	289,788	240,751	139,284	50,456	0	0	430,491
		MT09	SM-3 Block IIA Co-Development Test	4	0	2,303	7,680	26,254	12,768	0	0	46,702
		MD40	Program-Wide Support	4	17,752	16,402	15,264	10,333	4,227	0	0	29,824
111	0604883C		Precision Tracking Space System	4	204,666	0	0	0	0	0	0	0
		MD10	Precision Tracking Space System (PTSS)	4	193,137	0	0	0	0	0	0	0
		MD40	Program-Wide Support	4	11,529	0	0	0	0	0	0	0
112	0604886C		Advanced Remote Sensor Technology (ARST)	4	15,596	0	0	0	0	0	0	0
		MD95	Advanced Remote Sensor Technology	4	14,698	0	0	0	0	0	0	0
		MD40	Program-Wide Support	4	898	0	0	0	0	0	0	0
115	0305103C		Cyber Security Initiative	4	0	946	961	984	1,003	1,022	1,048	5,018
		MDCS	Cyber Security Initiative	4	0	946	961	984	1,003	1,022	1,048	5,018
			Budget Activity 04 Total	4	5,569,973	5,247,805	5,370,014	5,336,919	5,115,495	4,763,030	4,567,615	25,153,073
153	0605502C		Small Business Innovative Research - MDA	6	68,858	0	0	0	0	0	0	0
		MD45	Small Business Innovative Research	6	68,858	0	0	0	0	0	0	0
175	0901598C		Management HQ - MDA	6	31,674	34,712	36,998	36,343	35,441	34,675	33,650	177,107

Line Number	Program Element	Budget Project	Program	Budget Activity	FY13 Actual	FY14	FY15	FY16	FY17	FY18	FY19	FY15-19
		MD38	Management Headquarters	6	31,674	34,712	36,998	36,343	35,441	34,675	33,650	177,107
			Budget Activity 06 Total	6	100,532	34,712	36,998	36,343	35,441	34,675	33,650	177,107
			RDT&E Total	6	5,851,845	5,537,221	5,583,245	5,549,892	5,326,097	4,985,116	4,791,011	26,235,361
MILCON												
			Major MILCON	NA	134,459	164,204	0	229,600	85,200	84,000	57,900	456,700
			IFFICS Data Terminal Cmplx, Ft. Drum NY	NA	23,869	0	0	0	0	0	0	0
			Mechanical-Electrical Bldg MF #1 Ft Greely, AK	NA	0	82,000	0	0	0	0	0	0
			BMDS UEWR, Clear AFS, AK	NA	0	17,204	0	0	0	0	0	0
			AN/TPY-2 Radar Site, PACOM	NA	0	15,000	0	0	0	0	0	0
			Aegis Ashore Missile Def Sys Cmplx, Romania	NA	110,590	50,000	0	0	0	0	0	0
			Aegis Ashore Missile Def Sys Cmplx, Poland	NA	0	0	0	162,400	0	0	0	162,400
			Long Range Discrimination Radar	NA	0	0	0	67,200	85,200	84,000	57,900	294,300
			Minor MILCON	NA	0	2,000	2,000	2,000	2,000	2,000	2,000	10,000
				NA	0	2,000	2,000	2,000	2,000	2,000	2,000	10,000
			MILCON Planning and Design	NA	4,191	10,891	38,704	8,042	8,385	8,572	8,836	72,539
				NA	4,191	10,891	38,704	8,042	8,385	8,572	8,836	72,539
			MILCON Total	NA	138,650	177,095	40,704	239,642	95,585	94,572	68,736	539,239
			Program Total		7,676,272	7,643,861	7,459,213	7,821,591	7,639,866	7,370,370	7,284,182	37,575,222