

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Missile Defense Agency **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 01: Major Equipment / BSA 17: Major Equipment, Missile Defense Agency	P-1 Line Item Number / Title: MD07 / THAAD
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ID Code (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** 0603884C, 0603881C **Other Related Program Elements:** 0603881C, 0603884C

Line Item MDAP/MAIS Code: 362 **Item MDAP/MAIS Code(s):**

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	94	34	33	31	-	31	38	30	29	29	135	453
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,711.973	416.838	571.851	464.424	-	464.424	602.692	533.258	491.026	459.124	2,098.614	7,349.800
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,711.973	416.838	571.851	464.424	-	464.424	602.692	533.258	491.026	459.124	2,098.614	7,349.800
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,711.973	416.838	571.851	464.424	-	464.424	602.692	533.258	491.026	459.124	2,098.614	7,349.800

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	11.610	11.020	11.026	12.367	-	12.367	12.334	12.715	12.927	13.115	13.006	12.306
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	18.212	12.260	17.329	14.981	-	14.981	15.860	17.775	16.932	15.832	15.545	16.225

[#] The FY 2015 OCO Request will be submitted at a later date.

Description:

The Terminal High Altitude Area Defense (THAAD) is an element of the Terminal Defense Segment (TDS) of the Ballistic Missile Defense System (BMDS). THAAD enhances the TDS by deepening, complementing, and extending the BMDS battlespace and capability to engage ballistic targets in the late mid-course and terminal phases of their trajectory. THAAD Army Navy / Transportable Radar Surveillance - Model 2 (AN/TPY-2) will also be a surveillance sensor, providing sensor data to cue other elements of the BMDS. THAAD, in conjunction with the fielded PATRIOT System, provides the TDS and supports the Missile Defense Agency (MDA) objective of enhancing the BMDS capability. Five major components (Interceptors, Launchers, AN/TPY-2 Radar, THAAD Fire Control and Communication (TFCC), and Peculiar Support Equipment) will be integrated into the THAAD element and the BMDS.

Concurrent with the FY 2012 - FY 2014 U.S. procurements, MDA THAAD is executing a Foreign Military Sales (FMS) Case for two (2) Batteries and 192 Interceptors. The magnitude of the U.S. Government and Foreign Military Sales combined buy reduced the unit price. FY 2015 is planned to be procured as a standalone purchase of a significantly lower quantity resulting in an interceptor unit price increase.

The FY 2015 request funds 31 THAAD interceptors, support efforts including Missile Round Pallet, Stockpile Reliability Program, obsolescence mitigation, modifications, and training efforts such as THAAD Table Top Trainers and New Equipment Training.

Exhibits Schedule		Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total			
Title*	Exhibits	ID CD	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Item - THAAD	P-5, P-5a, P-21	B	18.212	94	1,711.973	12.260	34	416.838	17.329	33	571.851	14.981	31	464.424	-	-	-	14.981	31	464.424
Total Gross/Weapon System Cost			18.212	94	1,711.973	12.260	34	416.838	17.329	33	571.851	14.981	31	464.424	-	-	-	14.981	31	464.424

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Exhibit P-40, Budget Line Item Justification: PB 2015 Missile Defense Agency **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 01: Major Equipment / BSA 17: Major Equipment, Missile Defense Agency	P-1 Line Item Number / Title: MD07 / THAAD
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ID Code (A=Service Ready, B=Not Service Ready) : B **Program Elements for Code B Items:** 0603884C, 0603881C **Other Related Program Elements:** 0603881C, 0603884C

Line Item MDAP/MAIS Code: 362 **Item MDAP/MAIS Code(s):**

Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Item - THAAD	P-5, P-5a, P-21	B	15.860	38	602.692	17.775	30	533.258	16.932	29	491.026	15.832	29	459.124	15.545	135	2,098.614	16.225	453	7,349.800
Total Gross/Weapon System Cost			15.860	38	602.692	17.775	30	533.258	16.932	29	491.026	15.832	29	459.124	15.545	135	2,098.614	16.225	453	7,349.800

*For Items, Title represents the Item Number / Title [DODIC].

Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.

Justification:
Funding shown above supports the procurement of the listed THAAD Interceptors, Launchers, Tactical Station Groups, new equipment & training devices for the Batteries and Institutional Training Base, all associated peculiar support equipment (to include the Mobile Support Truck, Generator set, spares transport shelter, and the Battery Logistics Operation Center), and engineering changes. RDT&E funded tactical hardware (first two THAAD batteries) are not included in the costs above.

"Procurement Quantity" and "Flyaway Unit Cost" above represent interceptors only, but the "Net Procurement" cost above includes the costs of all hardware. Prior FYs and FY 2014 funding includes procurement of significant number of ground components, which affects the "Gross Weapon System Unit Cost".

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Exhibit P-5, Cost Analysis: PB 2015 Missile Defense Agency								Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 01 / 17				P-1 Line Item Number / Title: MD07 / THAAD				Item Number / Title [DODIC]: - / THAAD			

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity (<i>Units in Each</i>)	94	34	33	31	-	31	38	30	29	29	135	453
Gross/Weapon System Cost (<i>\$ in Millions</i>)	1,711.973	416.838	571.851	464.424	-	464.424	602.692	533.258	491.026	459.124	2,098.614	7,349.800
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,711.973	416.838	571.851	464.424	-	464.424	602.692	533.258	491.026	459.124	2,098.614	7,349.800
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,711.973	416.838	571.851	464.424	-	464.424	602.692	533.258	491.026	459.124	2,098.614	7,349.800

(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)

Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	18.212	12.260	17.329	14.981	-	14.981	15.860	17.775	16.932	15.832	15.545	16.225

The FY 2015 OCO Request will be submitted at a later date.

Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																			
Recurring Cost																			
Interceptor ^(†)	B	11.610	94	1,091.307	11.022	34	374.740	11.022	33	363.726	12.367	31	383.377	-	-	-	12.367	31	383.377
Launcher ^(†)	B	7.641	24	183.377	-	-	-	7.743	6	46.457	-	-	-	-	-	-	-	-	-
Support Equipment	B	31.393	3	94.180	2.059	1	2.059	24.567	1	24.567	-	-	-	-	-	-	-	-	-
TFCC Tactical Station Group ^(†)	B	10.086	8	80.690	-	-	-	9.270	2	18.540	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	1,449.554	-	-	376.799	-	-	453.290	-	-	383.377	-	-	-	-	-	383.377
<i>Subtotal: Hardware Cost</i>		-	-	1,449.554	-	-	376.799	-	-	453.290	-	-	383.377	-	-	-	-	-	383.377
Support Cost																			
Obsolescence and Modifications		-	-	-	10.870	1	10.870	21.840	1	21.840	36.502	1	36.502	-	-	-	36.502	1	36.502
Production Support & Testing		256.660	1	256.660	18.356	1	18.356	42.760	1	42.760	29.830	1	29.830	-	-	-	29.830	1	29.830
Training		5.759	1	5.759	10.813	1	10.813	53.961	1	53.961	14.715	1	14.715	-	-	-	14.715	1	14.715
<i>Subtotal: Support Cost</i>		-	-	262.419	-	-	40.039	-	-	118.561	-	-	81.047	-	-	-	-	-	81.047
Gross/Weapon System Cost		18.212	94	1,711.973	12.260	34	416.838	17.329	33	571.851	14.981	31	464.424	-	-	-	14.981	31	464.424

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Exhibit P-5, Cost Analysis: PB 2015 Missile Defense Agency													Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 01 / 17							P-1 Line Item Number / Title: MD07 / THAAD						Item Number / Title [DODIC]: - / THAAD					

Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total Cost		
		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Hardware Cost																			
Recurring Cost																			
Interceptor ^(†)	B	12.334	38	468.690	12.715	30	381.450	12.927	29	374.891	13.115	29	380.325	13.006	135	1,755.864	12.305	453	5,574.370
Launcher ^(†)	B	-	-	-	7.788	6	46.728	-	-	-	-	-	-	-	-	-	7.682	36	276.562
Support Equipment	B	-	-	-	9.151	1	9.151	21.080	1	21.080	-	-	-	-	-	-	21.577	7	151.037
TFCC Tactical Station Group ^(†)	B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.923	10	99.230
<i>Subtotal: Recurring Cost</i>		-	-	468.690	-	-	437.329	-	-	395.971	-	-	380.325	-	-	1,755.864	-	-	6,101.199
<i>Subtotal: Hardware Cost</i>		-	-	468.690	-	-	437.329	-	-	395.971	-	-	380.325	-	-	1,755.864	-	-	6,101.199
Support Cost																			
Obsolescence and Modifications		66.157	1	66.157	43.904	1	43.904	46.187	1	46.187	36.328	1	36.328	227.092	1	227.092	61.110	8	488.880
Production Support & Testing		39.416	1	39.416	29.075	1	29.075	39.878	1	39.878	42.471	1	42.471	115.658	1	115.658	68.234	9	614.104
Training		28.429	1	28.429	22.950	1	22.950	8.990	1	8.990	-	-	-	-	-	-	20.802	7	145.617
<i>Subtotal: Support Cost</i>		-	-	134.002	-	-	95.929	-	-	95.055	-	-	78.799	-	-	342.750	-	-	1,248.601
Gross/Weapon System Cost		15.860	38	602.692	17.775	30	533.258	16.932	29	491.026	15.832	29	459.124	15.545	135	2,098.614	16.225	453	7,349.800

Remarks:

"Procurement Quantity" above represents interceptors only, but the "Net Procurement" cost above includes the costs of all hardware. Prior FYs and FY 2014 funding includes procurement of significant number of ground components, which affects the "Gross Weapon System Unit Cost". Support Equipment captures miscellaneous items such as THAAD Active Leak Sensor System (TALSS) and Battery Support Center (BSC) that support the THAAD Batteries and varies from year to year.

Concurrent with the FY 2012 - FY 2014 U.S. procurements, MDA THAAD is executing a Foreign Military Sales (FMS) Case for two (2) batteries and 192 Interceptors. The magnitude of the USG and FMS combined buy reduced the unit price. FY 2015 is planned to be procured as a standalone purchase of a significantly lower quantity resulting in an interceptor unit price increase.

Obsolescence above encompasses those mitigation activities that protects the system design and ensures a producible technical data package. This preserves an affordable future product cost within an acceptable production schedule. Examples of these mitigation activities include component replacement parts, materials, and qualification, alternative source/parts qualification, and piece part/material bridge buys to support subsequent years' production lots.

^(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2015 Missile Defense Agency **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 01 / 17	P-1 Line Item Number / Title: MD07 / THAAD	Item Number / Title [DODIC]: - / THAAD
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Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty <i>(Each)</i>	Unit Cost <i>(\$ M)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Interceptor - Lot 1 ^(t)		2010	Lockheed Martin / Troy, AL	SS / FPIF	MDA, Huntsville, AL	Mar 2011	Jul 2012	26	14.480	Y		Oct 2009
Interceptor - Lot 2 ^(t)		2011	Lockheed Martin / Troy, AL	SS / FPIF	MDA, Huntsville, AL	Mar 2011	Jul 2013	22	12.100	Y		Oct 2009
Interceptor - Lot 4 ^(t)		2012	Lockheed Martin / Troy, AL	SS / FPIF	MDA, Huntsville, AL	Aug 2012	Nov 2014	46	11.022	Y		Aug 2011
Interceptor - Lot 5 ^(t)		2013	Lockheed Martin / Troy, AL	SS / FPIF	MDA, Huntsville, AL	Sep 2013	Apr 2016	34	11.022	Y		Aug 2011
Interceptor - Lot 6 ^(t)		2014	Lockheed Martin / Troy, AL	SS / FPIF	MDA, Huntsville, AL	Dec 2013	Jan 2017	33	11.022	Y		Jun 2013
Interceptor - Lot 7 ^(t)		2015	Lockheed Martin / Troy, AL	SS / FPIF	MDA, Huntsville, AL	Feb 2015	Sep 2017	31	12.367	Y		Mar 2014
Launcher - Lot 1 ^(t)		2010	Lockheed Martin / Camden, AR	SS / FFP	MDA, Huntsville, AL	May 2011	Apr 2013	6	9.170	Y		Oct 2009
Launcher - Lot 3 ^(t)		2011	Lockheed Martin / Camden, AR	SS / FFP	MDA, Huntsville, AL	Jul 2012	May 2014	6	9.130	Y		Aug 2011
Launcher - Lot 2 ^(t)		2011	Lockheed Martin / Camden, AR	SS / FFP	MDA, Huntsville, AL	May 2011	Oct 2013	6	9.130	Y		Oct 2009
Launcher - Lot 4 ^(t)		2012	Lockheed Martin / Camden, AR	SS / FFP	MDA, Huntsville, AL	Jul 2012	Nov 2014	6	7.490	Y		Aug 2011
Launcher - Lot 6 ^(t)		2014	Lockheed Martin / Camden, AR	SS / FFP	MDA, Huntsville, AL	Jun 2014	Apr 2016	6	7.743	Y		Jun 2013
TFCC Tactical Station Group - Lot 2 ^(t)		2011	Lockheed Martin / Camden, AR	SS / FFP	MDA, Huntsville, AL	Mar 2011	May 2013	4	10.100	Y		Oct 2009
TFCC Tactical Station Group - Lot 3 ^(t)		2011	Lockheed Martin / Camden, AR	SS / FFP	MDA, Huntsville, AL	Jul 2012	Aug 2014	2	10.100	Y		Aug 2011
TFCC Tactical Station Group - Lot 4 ^(t)		2012	Lockheed Martin / Camden, AR	SS / FFP	MDA, Huntsville, AL	Jul 2012	Oct 2014	2	9.260	Y		Aug 2011
TFCC Tactical Station Group - Lot 6 ^(t)		2014	Lockheed Martin / Camden, AR	SS / FFP	MDA, Huntsville, AL	Jun 2014	Jul 2016	2	9.270	Y		Jun 2013

^(t) indicates the presence of a P-21

Remarks:

- Lot 3 Interceptors were removed due to a Congressional Mark in FY 2011.

- Lot numbers relate to groupings in fiscal years and no Launcher or Tactical Fire Control and Communication (TFCC) Tactical Station Groups (TSGs) were scheduled for procurement in FY 2013, therefore Lot 5 is an interceptor only Lot.

- Delivery of Battery 3 completed in FY 2013.
- Delivery of Battery 4 completes in FY 2014.
- Delivery of Battery 5 completes in FY 2015.
- Delivery of Battery 6 completes in FY 2016.
- Delivery of additional Battery completes in FY 2019

- Concurrent with the FY 2012 - FY 2014 U.S. procurements, MDA THAAD is executing a Foreign Military Sales (FMS) Case for two (2) Batteries and 192 Interceptors. The magnitude of the USG and FMS combined buy reduced the unit price. FY 2015 is planned to be procured as a standalone purchase of a significantly lower quantity resulting in an interceptor unit price increase.

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Exhibit P-21, Production Schedule: PB 2015 Missile Defense Agency **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 01 / 17 **P-1 Line Item Number / Title:** MD07 / THAAD **Item Number / Title [DODIC]:** - / THAAD

Cost Elements <i>(Units in Each)</i>				Fiscal Year 2011													Fiscal Year 2012															
O C C O	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 0	BAL D U E A S O F 1 O C T	Calendar Year 2011													Calendar Year 2012												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
Interceptor - Lot 1																																
	1	2010	MDA	26	-	26																						1	-	-	25	
Interceptor - Lot 2																																
	2	2011	MDA	22	-	22																									22	
Interceptor - Lot 4																																
	3	2012	MDA	46	-	46																									46	
Interceptor - Lot 5																																
	4	2013	MDA	34	-	34																									34	
Interceptor - Lot 6																																
	5	2014	MDA	33	-	33																									33	
Interceptor - Lot 7																																
	6	2015	MDA	31	-	31																									31	
Launcher - Lot 1																																
	7	2010	MDA	6	-	6																									6	
Launcher - Lot 3																																
	8	2011	MDA	6	-	6																									6	
Launcher - Lot 2																																
	9	2011	MDA	6	-	6																									6	
Launcher - Lot 4																																
	10	2012	MDA	6	-	6																									6	
Launcher - Lot 6																																
	11	2014	MDA	6	-	6																									6	
TFCC Tactical Station Group - Lot 2																																
	12	2011	MDA	4	-	4																									4	
TFCC Tactical Station Group - Lot 3																																
	13	2011	MDA	2	-	2																									2	
TFCC Tactical Station Group - Lot 4																																
	14	2012	MDA	2	-	2																									2	
TFCC Tactical Station Group - Lot 6																																
	15	2014	MDA	2	-	2																									2	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2015 Missile Defense Agency **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 01 / 17	P-1 Line Item Number / Title: MD07 / THAAD	Item Number / Title [DODIC]: - / THAAD
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Cost Elements <i>(Units in Each)</i>					Fiscal Year 2013													Fiscal Year 2014																			
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEP T P R I O R T O 1 O C T 2 0 1 2	BAL D U E A S O F 1 O C T	Calendar Year 2013													Calendar Year 2014																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						
Interceptor - Lot 1																																					
1		2010	MDA	26	1	25	-	-	-	-	-	-	3	6	6	7	3																			-	
Interceptor - Lot 2																																					
2		2011	MDA	22	-	22	-	-	-	-	-	-	-	-	-	-	4	4	4	3	3	3	-	-	-	-	1										-
Interceptor - Lot 4																																					
3		2012	MDA	46	-	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46	
Interceptor - Lot 5																																					
4		2013	MDA	34	-	34																													34		
Interceptor - Lot 6																																					
5		2014	MDA	33	-	33																													33		
Interceptor - Lot 7																																					
6		2015	MDA	31	-	31																													31		
Launcher - Lot 1																																					
7		2010	MDA	6	-	6	-	-	-	-	-	-	1	2	-	-	3																			-	
Launcher - Lot 3																																					
8		2011	MDA	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	
Launcher - Lot 2																																					
9		2011	MDA	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1										-		
Launcher - Lot 4																																					
10		2012	MDA	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6		
Launcher - Lot 6																																					
11		2014	MDA	6	-	6																													6		
TFCC Tactical Station Group - Lot 2																																					
12		2011	MDA	4	-	4	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	2														-
TFCC Tactical Station Group - Lot 3																																					
13		2011	MDA	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-			
TFCC Tactical Station Group - Lot 4																																					
14		2012	MDA	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2		
TFCC Tactical Station Group - Lot 6																																					
15		2014	MDA	2	-	2																													2		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L						

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Exhibit P-21, Production Schedule: PB 2015 Missile Defense Agency																									Date: March 2014												
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 01 / 17										P-1 Line Item Number / Title: MD07 / THAAD										Item Number / Title [DODIC]: - / THAAD																	
Cost Elements <i>(Units in Each)</i>						Fiscal Year 2015										Fiscal Year 2016																					
O C C #	M F R FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2014	BAL DUE AS OF 1 OCT	Calendar Year 2015															Calendar Year 2016																
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							
Interceptor - Lot 1																																					
1	2010	MDA	26	26	-																																
Interceptor - Lot 2																																					
2	2011	MDA	22	22	-																																
Interceptor - Lot 4																																					
3	2012	MDA	46	-	46	-	4	4	4	4	4	4	4	4	4	4	4	4	2																		
Interceptor - Lot 5																																					
4	2013	MDA	34	-	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	
Interceptor - Lot 6																																					
5	2014	MDA	33	-	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	
Interceptor - Lot 7																																					
6	2015	MDA	31	-	31																															31	
Launcher - Lot 1																																					
7	2010	MDA	6	6	-																																
Launcher - Lot 3																																					
8	2011	MDA	6	5	1	1																															
Launcher - Lot 2																																					
9	2011	MDA	6	6	-																																
Launcher - Lot 4																																					
10	2012	MDA	6	-	6	-	1	1	1	1	1	1																									
Launcher - Lot 6																																					
11	2014	MDA	6	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
TFCC Tactical Station Group - Lot 2																																					
12	2011	MDA	4	4	-																																
TFCC Tactical Station Group - Lot 3																																					
13	2011	MDA	2	2	-																																
TFCC Tactical Station Group - Lot 4																																					
14	2012	MDA	2	-	2	1	1																														
TFCC Tactical Station Group - Lot 6																																					
15	2014	MDA	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L							

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Exhibit P-21, Production Schedule: PB 2015 Missile Defense Agency **Date:** March 2014

Appropriation / Budget Activity / Budget Sub Activity: 0300D / 01 / 17	P-1 Line Item Number / Title: MD07 / THAAD	Item Number / Title [DODIC]: - / THAAD
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Cost Elements <i>(Units in Each)</i>					Fiscal Year 2017														Fiscal Year 2018													
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	Calendar Year 2017														Calendar Year 2018											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	
Interceptor - Lot 1																																
1		2010	MDA	26	26	-																							-			
Interceptor - Lot 2																																
2		2011	MDA	22	22	-																							-			
Interceptor - Lot 4																																
3		2012	MDA	46	46	-																							-			
Interceptor - Lot 5																																
4		2013	MDA	34	24	10	4	4	2																				-			
Interceptor - Lot 6																																
5		2014	MDA	33	-	33	-	-	-	4	4	4	4	4	4	4	4	1											-			
Interceptor - Lot 7																																
6		2015	MDA	31	-	31	-	-	-	-	-	-	-	-	-	-	-	3	4	4	4	4	4	4	4	4	4	4	-			
Launcher - Lot 1																																
7		2010	MDA	6	6	-																							-			
Launcher - Lot 3																																
8		2011	MDA	6	6	-																							-			
Launcher - Lot 2																																
9		2011	MDA	6	6	-																							-			
Launcher - Lot 4																																
10		2012	MDA	6	6	-																							-			
Launcher - Lot 6																																
11		2014	MDA	6	6	-																							-			
TFCC Tactical Station Group - Lot 2																																
12		2011	MDA	4	4	-																							-			
TFCC Tactical Station Group - Lot 3																																
13		2011	MDA	2	2	-																							-			
TFCC Tactical Station Group - Lot 4																																
14		2012	MDA	2	2	-																							-			
TFCC Tactical Station Group - Lot 6																																
15		2014	MDA	2	2	-																							-			
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L	

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Exhibit P-21, Production Schedule: PB 2015 Missile Defense Agency		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 0300D / 01 / 17		P-1 Line Item Number / Title: MD07 / THAAD
Item Number / Title [DODIC]: - / THAAD		

MFR Ref #	MFR Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR	1-8-5	MAX	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Mfg PLT	Total After Oct 1
1	Lockheed Martin - Troy, AL	1.00	4.00	7.00	6	6	16	22	6	4	27	31
2	Lockheed Martin - Troy, AL	1.00	4.00	5.00	6	6	28	34	6	4	27	31
3	Lockheed Martin - Troy, AL	1.00	4.00	5.00	6	11	27	38	6	4	27	31
4	Lockheed Martin - Troy, AL	1.00	4.00	5.00	6	12	31	43	6	4	27	31
5	Lockheed Martin - Troy, AL	1.00	4.00	5.00	6	3	37	40	6	4	27	31
6	Lockheed Martin - Troy, AL	1.00	4.00	5.00	6	6	31	37	6	4	27	31
7	Lockheed Martin - Camden, AR	1.00	1.00	3.00	6	8	23	31	6	4	21	25
8	Lockheed Martin - Camden, AR	1.00	1.00	2.00	6	10	22	32	6	4	21	25
9	Lockheed Martin - Camden, AR	1.00	1.00	2.00	6	8	29	37	6	4	21	25
10	Lockheed Martin - Camden, AR	1.00	1.00	2.00	6	10	28	38	6	3	21	24
11	Lockheed Martin - Camden, AR	1.00	1.00	2.00	6	6	22	28	6	4	21	25
12	Lockheed Martin - Camden, AR	1.00	2.00	2.00	6	6	26	32	6	4	24	28
13	Lockheed Martin - Camden, AR	1.00	1.00	1.00	6	10	25	35	6	4	24	28
14	Lockheed Martin - Camden, AR	1.00	1.00	1.00	6	10	27	37	6	3	24	27
15	Lockheed Martin - Camden, AR	1.00	1.00	1.00	6	6	25	31	6	4	24	28

- Remarks:**
- Concurrent with the FY 2012 - FY 2014 U.S. procurements, MDA THAAD is executing a Foreign Military Sales (FMS) Case for two (2) Batteries and 192 Interceptors. FY 2015 is planned to be procured as a standalone purchase of a significantly lower quantity of 31 U.S. interceptors only.
 - The periods between U.S. Government interceptor deliveries will be filled with deliveries of Foreign Military Sales (FMS) interceptors and the buildup of sub-assemblies to support U.S. and FMS interceptors.
 - Manufacturing lead times can vary due to factors such as pursuing multiple lot buys concurrently to achieve price discounts, increasing the lead time of the second simultaneously awarded lot buy.
 - Interceptor Lots 5, 6 and 7 are delivered on an accelerated schedule to mitigate prior delayed contract awards and deliver interceptors to fill Batteries.

The first non-gray cell in the Delivery Schedule indicates the Contract Award Date.
 Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand). If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).