

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2020 Army								Date: March 2019				
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)						P-1 Line Item Number / Title: 9926BL5287 / Family of Persistent Surveillance Cap. (MIP)						
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A				Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: N/A												
Resource Summary	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	To Complete	Total
Procurement Quantity (Units in Each)	-	-	16	-	-	-	-	-	-	-	-	16
Gross/Weapon System Cost (\$ in Millions)	178.493	19.935	20.050	-	71.493	71.493	71.493	-	-	-	-	361.464
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	178.493	19.935	20.050	-	71.493	71.493	71.493	-	-	-	-	361.464
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	178.493	19.935	20.050	-	71.493	71.493	71.493	-	-	-	-	361.464
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	1,253.125	-	-	-	-	-	-	-	-	22,591.500
Description:												
Persistent Surveillance Systems - Tethered (PSS-T) is a program of record comprised of 29 Large (formerly Persistent Threat Detection System (PTDS)) and 29 Medium (formerly Persistent Ground Surveillance System (PGSS)) sized Aerostats. PSS-T has been assigned to Army Program Executive Office for Intelligence, Electronic Warfare and Sensors (PEO IEW&S). Both tethered Aerostats are equipped with high resolution Electro-Optical/Infrared (EO/IR) camera systems and wide-area assessment sensors. Video collected by PSS-T is distributed to the Forward Operating Base and division commander information center as well as to quick reaction forces via Tactical Operations Center (TOC) Extension Kits, providing tactical commanders enhanced battlefield situational awareness.												
PTDS - The baseline configuration includes the U.S. Army Research Lab's Unattended Transient Acoustic Measurement and Signature INTelligence (MASINT) System (UTAMS) which operationally cues the PTDS MX-20 EO/IR sensor to slew onto a target. The UTAMS is an acoustic sensor design consisting of sensor stations linked via radio to a base station. Each sensor station includes microphone arrays, signal processor, and display. The baseline PTDS also includes the Joint Synchronization Information Transmitter (JSIT) Mini-Tactical Common Data Link transmitter that transmits MX-20 video stream to ground forces equipped with One System Remote Video Terminal. Expendable-Unattended Ground Sensor (E-UGS) enhances the PTDS ability to detect enemy vehicle and footstep traffic and provides improved situational awareness and facilitates tactical response. PTDS continues to meet other urgent theater needs through system upgrades: adding High Antennas for Radio Communications (HARC) radio, the PRC-117G wide band radio, Tactical Targeting Network Technology (TTNT), Highband Networking Radio (HNR) as part of the aerial layer network extension architecture; transmitting weather data directly to Air Force Weather Agency (AFWA) via weather relay kits; added dual sensor capability; additional ground moving target indicator STARLite and wide area motion imagery Kestrel sensors, Persistent Surveillance Systems (PSS) Slew to Cue, coded laser target designation, and Survivability enhancements.												
The PGSS has been a highly successful example of quickly delivering urgently needed capabilities to the Warfighter at remote forward operating bases (FOBs). PGSS continues to meet other urgent theater needs through system upgrades: adding HARC radio, the PRC-117G wide band radio, Quint Networking Technology (QNT), and micro-Enhanced Position Location Reporting System (EPLRS) as part of the aerial layer network extension architecture; transmitting weather data directly to AFWA via PGSS Weather Web, adding dual sensor capability; adding additional Vista, Kestrel, and wireless identification sensing platforms (WISP) sensors, PSS Slew to Cue, Precision Fires, coded laser target designation, and Survivability enhancements. Additionally, Expendable-Unattended Ground Sensor (E-UGS) enhances the PGSS ability to detect enemy vehicle and footstep traffic and provides improved situational awareness and facilitates tactical response.												
Secondary Distribution		FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024		
Army	Quantity	-	16	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	19.935	20.050	0.000	71.493	71.493	71.493	-	-	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2020 Army							Date: March 2019			
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)					P-1 Line Item Number / Title: 9926BL5287 / Family of Persistent Surveillance Cap. (MIP)					
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A			Other Related Program Elements: N/A				
Line Item MDAP/MAIS Code: N/A										
Secondary Distribution		FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024
Total:	Quantity	-	16	-	-	-	-	-	-	-
Secondary Distribution	Total Obligation Authority	19.935	20.050	-	71.493	71.493	71.493	-	-	-

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Exhibit P-40, Budget Line Item Justification: PB 2020 Army							Date: March 2019			
Appropriation / Budget Activity / Budget Sub Activity: 2035A: Other Procurement, Army / BA 02: Communications and Electronics Equipment / BSA 83: Elect Equip - Electronic Warfare (EW)					P-1 Line Item Number / Title: 9926BL5287 / Family of Persistent Surveillance Cap. (MIP)					
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A				Other Related Program Elements: N/A			
Line Item MDAP/MAIS Code: N/A										
Exhibits Schedule					Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)
P-5	BL5287 / Family of Persistent Surveillance Cap. (MIP)	P-5a, P-21	A		- / 178.493	- / 19.935	16 / 20.050	- / -	- / 71.493	- / 71.493
P-40	Total Gross/Weapon System Cost				- / 178.493	- / 19.935	16 / 20.050	- / -	- / 71.493	- / 71.493
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.										
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.										

Justification:
 FY 2020 Overseas Contingency Operations (OCO) Other Procurement Army (OPA) dollars in the amount of \$71.493 million supports Operation Freedom's Sentinel (OFS) and Operation Inherent Resolve (OIR) requirements. Of the \$71.493 million, \$53.620 million provides high dollar spares to support systems in OFS and \$17.873 million provides high dollar spares to support systems in OIR. High dollar spares kits include an Aerostat Envelope, Baseline Avionics Kit and MX Intelligence, Surveillance and Reconnaissance (ISR) cameras. The majority of funding is required for a large Surveillance and Reconnaissance (ISR) camera purchase.

In accordance with Section 1815 of the FY 2008 National Defense Authorization Act (P.L. 110-181), this item is necessary for use by the active and reserve components of the Armed Forces for homeland defense missions, domestic emergency responses, and providing military support to civil authorities.

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Exhibit P-5, Cost Analysis: PB 2020 Army												Date: March 2019						
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83						P-1 Line Item Number / Title: 9926BL5287 / Family of Persistent Surveillance Cap. (MIP)						Item Number / Title [DODIC]: BL5287 / Family of Persistent Surveillance Cap. (MIP)						
ID Code (A=Service Ready, B=Not Service Ready) : A										MDAP/MAIS Code:								
Resource Summary				Prior Years		FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total				
Procurement Quantity (<i>Units in Each</i>)				-		-		16		-		-		-				
Gross/Weapon System Cost (<i>\$ in Millions</i>)				178.493		19.935		20.050		-		71.493		71.493				
Less PY Advance Procurement (<i>\$ in Millions</i>)				-		-		-		-		-		-				
Net Procurement (P-1) (<i>\$ in Millions</i>)				178.493		19.935		20.050		-		71.493		71.493				
Plus CY Advance Procurement (<i>\$ in Millions</i>)				-		-		-		-		-		-				
Total Obligation Authority (<i>\$ in Millions</i>)				178.493		19.935		20.050		-		71.493		71.493				
(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 Thousands</i>)				-		-		1,253.125		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
Aerostat Envelope ^(†)	4,592.679	28	128.595	861.400	10	8.614	861.500	16	13.784	-	-	-	861.500	10	8.615	861.500	10	8.615
Baseline Avionics Kits ^(†)	442.091	22	9.726	358.692	13	4.663	359.167	12	4.310	-	-	-	359.158	19	6.824	359.158	19	6.824
Tactical Common Data Link ^(†)	433.882	17	7.376	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pressurization Avionics Unit ^(†)	264.909	11	2.914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
High Antenna Radio Communications (B-Kit) ^(†)	335.000	5	1.675	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ISR Turret (MX-15)	1,800.000	4	7.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Envelope replacements ^(†)	801.571	7	5.611	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Program Management Office Support	-	-	1.740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	164.837	-	-	13.277	-	-	18.094	-	-	0.000	-	-	15.439	-	-	15.439
Subtotal: Flyaway Cost	-	-	164.837	-	-	13.277	-	-	18.094	-	-	0.000	-	-	15.439	-	-	15.439
Hardware Cost																		
Non Recurring Cost																		
ISR Turret (MX-25) ^(†)	1,707.000	8	13.656	2,219.333	3	6.658	1,956.000	1	1.956	-	-	-	2,001.929	28	56.054	2,001.929	28	56.054

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Exhibit P-5, Cost Analysis: PB 2020 Army										Date: March 2019																			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83					P-1 Line Item Number / Title: 9926BL5287 / Family of Persistent Surveillance Cap. (MIP)										Item Number / Title [DODIC]: BL5287 / Family of Persistent Surveillance Cap. (MIP)														
ID Code (A=Service Ready, B=Not Service Ready) : A															MDAP/MAIS Code:														

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2018			FY 2019			FY 2020 Base			FY 2020 OCO			FY 2020 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Subtotal: Non Recurring Cost	-	-	13.656	-	-	6.658	-	-	1.956	-	-	0.000	-	-	56.054	-	-	56.054
Subtotal: Hardware Cost	-	-	13.656	-	-	6.658	-	-	1.956	-	-	0.000	-	-	56.054	-	-	56.054
Gross/Weapon System Cost	-	-	178.493	-	-	19.935	1,253.125	16	20.050	-	-	-	-	-	71.493	-	-	71.493

Secondary Distribution		FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Army	Quantity	-	16	-	-	-
	Total Obligation Authority	19.935	20.050	0.000	71.493	71.493
Total: Secondary Distribution	Quantity	-	16	-	-	-
	Total Obligation Authority	19.935	20.050	-	71.493	71.493

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2020 Army								Date: March 2019				
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83			P-1 Line Item Number / Title: 9926BL5287 / Family of Persistent Surveillance Cap. (MIP)					Item Number / Title [DODIC]: BL5287 / Family of Persistent Surveillance Cap. (MIP)				
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>(\$ K)</i>	Specs Avail Now?	Date Revision Available	RFP Issue Date
Aerostat Envelope ^(†)		2016	Lockheed Martin / Akron, OH	SS / FFP	ACC-APG: APG, MD	Mar 2016	Nov 2016	8	804.000	N		
Aerostat Envelope ^(†)		2017	Bravura Information Technology / Aberdeen, MD	C / FFP	ACC-APG: APG, MD	Mar 2017	Nov 2017	12	876.000	N		
Aerostat Envelope ^(†)		2018	Bravura Information Technology / Aberdeen, MD	Option / FFP	ACC-APG: APG, MD	Mar 2018	Oct 2018	10	861.400	Y		
Aerostat Envelope ^(†)		2019	TBD / TBD	C / FFP	ACC-APG: APG,MD	May 2019	Dec 2019	16	861.500	Y		
Aerostat Envelope ^(†)	✓	2020	TBD / TBD	C / FFP	ACC-APG: APG,MD	May 2020	Dec 2020	10	861.500	Y		
Baseline Avionics Kits ^(†)		2016	Lockheed Martin / Akron, OH	SS / FFP	ACC-APG: APG, MD	Mar 2016	Nov 2016	8	309.000	N		
Baseline Avionics Kits ^(†)		2017	Bravura Information Technology / Aberdeen, MD	C / FFP	ACC-APG: APG, MD	Mar 2017	Nov 2017	10	379.800	N		
Baseline Avionics Kits ^(†)		2018	Bravura Information Technology / Aberdeen, MD	Option / FFP	ACC-APG: APG, MD	Mar 2018	Dec 2018	13	358.692	Y		
Baseline Avionics Kits ^(†)		2019	TBD / TBD	C / CPFF	ACC-APG: APG,MD	May 2019	Dec 2019	12	359.167	Y		
Baseline Avionics Kits ^(†)	✓	2020	TBD / TBD	C / CPFF	ACC-APG: APG,MD	May 2020	Dec 2020	19	359.158	Y		
Tactical Common Data Link		2016	Lockheed Martin / Akron, OH	SS / FFP	ACC-APG: APG, MD	Mar 2016	May 2017	8	161.000	N		
Tactical Common Data Link		2017	Bravura Information Technology / Aberdeen, MD	C / FFP	ACC-APG: APG, MD	Mar 2017	May 2018	5	268.000	N		
Pressurization Avionics Unit		2016	Lockheed Martin / Akron, OH	SS / FFP	ACC-APG: APG, MD	Mar 2016	Sep 2016	6	241.000	N		
Pressurization Avionics Unit		2017	Bravura Information Technology / Aberdeen, MD	C / FFP	ACC-APG: APG, MD	Mar 2017	Sep 2017	5	281.000	N		
High Antenna Radio Communications (B-Kit)		2017	Bravura Information Technology / Aberdeen, MD	C / FFP	ACC-APG: APG, MD	Mar 2017	Aug 2018	5	335.000	N		
Envelope replacements		2016	TCOM / Elizabeth City, NC	SS / FFP	NAVAIR: Lakehurst NJ	Mar 2016	Aug 2016	1	410.000	N		
Envelope replacements		2017	Bravura Information Technology / Aberdeen, MD	C / FFP	ACC-APG: APG, MD	Mar 2017	Aug 2017	1	415.000	N		
ISR Turret (MX-25) ^(†)		2017	L-3 Wescam / Burlington, ON	SS / FFP	ACC-APG: APG, MD	Aug 2017	Feb 2018	8	1,707.000	Y		
ISR Turret (MX-25) ^(†)		2018	L-3 Wescam / Burlington, ON	SS / FFP	ACC-APG: APG, MD	Jun 2018	Dec 2018	3	2,219.333	Y		
ISR Turret (MX-25) ^(†)		2019	L-3 Wescam / Burlington, ON	SS / FFP	ACC-APG: APG,MD	Aug 2019	Feb 2020	1	1,956.000	Y		
ISR Turret (MX-25) ^(†)	✓	2020	L-3 Wescam / Burlington, ON	SS / FFP	ACC-APG: APG,MD	Aug 2020	Feb 2021	28	2,001.929	Y		
(†) indicates the presence of a P-21												

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Exhibit P-21, Production Schedule: PB 2020 Army																				Date: March 2019														
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83										P-1 Line Item Number / Title: 9926BL5287 / Family of Persistent Surveillance Cap. (MIP)										Item Number / Title [DODIC]: BL5287 / Family of Persistent Surveillance Cap. (MIP)														
Cost Elements (Units in Each)							Fiscal Year 2016												Fiscal Year 2017												B A L A N C E			
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 5	BAL D U E A S O F 1 O C T				Calendar Year 2016												Calendar Year 2017												
							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				
Aerostat Envelope																																		
Prior Years Deliveries: 8																																		
	1	2016	ARMY	8	0	8				A	-	-	-	-	-	-	-	-	8													0		
	3	2017	ARMY	12	0	12													A	-	-	-	-	-	-	-	12							
	3	2018	ARMY	10	0	10																									10			
	2	2019	ARMY	16	0	16																									16			
✓	2	2020	ARMY	10	0	10																									10			
Baseline Avionics Kits																																		
Prior Years Deliveries: 4																																		
	4	2016	ARMY	8	0	8				A	-	-	-	-	-	-	-	-	8													0		
	6	2017	ARMY	10	0	10													A	-	-	-	-	-	-	10								
	6	2018	ARMY	13	0	13																									13			
	5	2019	ARMY	12	0	12																									12			
✓	5	2020	ARMY	19	0	19																									19			
ISR Turret (MX-25)																																		
	7	2017	ARMY	8	0	8													A	-	-	8												
	7	2018	ARMY	3	0	3																									3			
	7	2019	ARMY	1	0	1																									1			
✓	7	2020	ARMY	28	0	28																									28			
							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				

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Exhibit P-21, Production Schedule: PB 2020 Army																												Date: March 2019							
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83														P-1 Line Item Number / Title: 9926BL5287 / Family of Persistent Surveillance Cap. (MIP)														Item Number / Title [DODIC]: BL5287 / Family of Persistent Surveillance Cap. (MIP)							
Cost Elements (Units in Each)							Fiscal Year 2018														Fiscal Year 2019														B A L A N C E
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018														Calendar Year 2019														
							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					
Aerostat Envelope																																			
Prior Years Deliveries: 8																																			
	1	2016	ARMY	8	8	0																									0				
	3	2017	ARMY	12	0	12	-	6	-	6																					0				
	3	2018	ARMY	10	0	10						A -	-	-	-	-	-	1	2	2	2	2	1								0				
	2	2019	ARMY	16	0	16																					A -	-	-	-	-	16			
✓	2	2020	ARMY	10	0	10																									10				
Baseline Avionics Kits																																			
Prior Years Deliveries: 4																																			
	4	2016	ARMY	8	8	0																									0				
	6	2017	ARMY	10	0	10	-	4	-	-	-	-	-	-	6																0				
	6	2018	ARMY	13	0	13						A -	-	-	-	-	-	-	-	3	4	4	2								0				
	5	2019	ARMY	12	0	12																					A -	-	-	-	-	12			
✓	5	2020	ARMY	19	0	19																									19				
ISR Turret (MX-25)																																			
	7	2017	ARMY	8	0	8	-	-	-	-	2	-	2	-	2	-	2														0				
	7	2018	ARMY	3	0	3									A -	-	-	-	-	-	1	1	1								0				
	7	2019	ARMY	1	0	1																							A -	-	1				
✓	7	2020	ARMY	28	0	28																									28				
							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					

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Exhibit P-21, Production Schedule: PB 2020 Army																				Date: March 2019											
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83										P-1 Line Item Number / Title: 9926BL5287 / Family of Persistent Surveillance Cap. (MIP)										Item Number / Title [DODIC]: BL5287 / Family of Persistent Surveillance Cap. (MIP)											
Cost Elements <i>(Units in Each)</i>							Fiscal Year 2020										Fiscal Year 2021										BALANCE				
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT				Calendar Year 2020										Calendar Year 2021											
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY		JUN	JUL	AUG	SEP
Aerostat Envelope																															
Prior Years Deliveries: 8																															
	1	2016	ARMY	8	8	0																								0	
	3	2017	ARMY	12	12	0																								0	
	3	2018	ARMY	10	10	0																								0	
	2	2019	ARMY	16	0	16	-	-	2	2	2	2	2	2	2	2	2	-	-	-	-	2	2	2	2	2	2	2	0		
✓	2	2020	ARMY	10	0	10								A	-	-	-	-	-	-	-	2	2	2	2	2	2	2	0		
Baseline Avionics Kits																															
Prior Years Deliveries: 4																															
	4	2016	ARMY	8	8	0																								0	
	6	2017	ARMY	10	10	0																								0	
	6	2018	ARMY	13	13	0																								0	
	5	2019	ARMY	12	0	12	-	-	3	4	4	1																		0	
✓	5	2020	ARMY	19	0	19								A	-	-	-	-	-	-	-	3	4	4	4	4	4	4	0		
ISR Turret (MX-25)																															
	7	2017	ARMY	8	8	0																								0	
	7	2018	ARMY	3	3	0																								0	
	7	2019	ARMY	1	0	1	-	-	-	-	1																			0	
✓	7	2020	ARMY	28	0	28										A	-	-	-	-	-	-	2	4	5	5	5	5	2	0	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

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Exhibit P-21, Production Schedule: PB 2020 Army				Date: March 2019			
Appropriation / Budget Activity / Budget Sub Activity: 2035A / 02 / 83			P-1 Line Item Number / Title: 9926BL5287 / Family of Persistent Surveillance Cap. (MIP)				Item Number / Title [DODIC]: BL5287 / Family of Persistent Surveillance Cap. (MIP)

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Month)			Procurement Leadtime (Months)							
		MSR For 2020	1-8-5 For 2020	MAX For 2020	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Lockheed Martin - Akron, OH	1	25	50	0	0	0	0	0	0	0	0
2	TBD - TBD	1	20	50	0	5	4	9	0	0	0	0
3	Bravura Information Technology - Aberdeen, MD	1	40	100	0	2	3	5	0	0	0	0
4	Lockheed Martin - Akron, OH	1	25	50	0	0	0	0	0	0	0	0
5	TBD - TBD	1	20	50	0	5	4	9	0	0	0	0
6	Bravura Information Technology - Aberdeen, MD	1	40	100	0	2	3	5	0	0	0	0
7	L-3 Wescam - Burlington, ON	1	20	50	0	2	4	6	0	0	0	0

"A" 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).