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Exhibit P-40, Budget Line Item Justification: PB 2020 Air Force **Date:** February 2019

Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: PRDTB1 / MQ-9
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0304260F, 0305206F, 0305219F
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Line Item MDAP/MAIS Code: 424

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 (<i>Units in Each</i>)	347	16	24	3	9	12	9	17	2	3	-	430
Gross/Weapon System Cost (<i>\$ in Millions</i>)	6,204.741	389.221	401.603	189.205	172.240	361.445	302.303	502.127	223.679	57.432	216.760	8,659.311
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	6,204.741	389.221	401.603	189.205	172.240	361.445	302.303	502.127	223.679	57.432	216.760	8,659.311
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	6,204.741	389.221	401.603	189.205	172.240	361.445	302.303	502.127	223.679	57.432	216.760	8,659.311

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

Initial Spares (<i>\$ in Millions</i>)	685.020	186.164	61.843	72.852	43.060	115.912	82.817	121.776	37.907	14.358	23.170	1,328.967
Flyaway Unit Cost (<i>\$ in Millions</i>)	14.815	23.045	15.883	42.012	19.138	24.856	26.193	23.732	63.785	11.851	-	16.712
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	17.881	24.326	16.733	63.068	19.138	30.120	33.589	29.537	111.840	19.144	-	20.138

Description:

FY18 funding totals include \$88.968M appropriated for OCO.

FY19 funding totals include \$265.7M appropriated for OCO.

12 Aircraft from FY17 OCO buy will support Government Own Contractor Operated (GOCO) efforts.

16 Aircraft from FY19 OCO buy will be used to replace lifecycle sustainment and projected attrition/combat loss numbers.

MQ-9 Reaper procurement includes all components of the MQ-9 weapon system. The basic MQ-9 Reaper system consists of the aircraft, sensors, a Ground Control Station (GCS), communications equipment, weapon kits, support equipment, simulator and training devices, Readiness Spares Packages (RSP), technical data/training, and personnel required to operate, maintain, and sustain the system. The system is designed to be modular and open-ended. Mission-specific equipment is employed in a plug-and-play mission kit concept allowing specific aircraft and Ground Control Station (GCS) configurations to be tailored to fit mission needs. Due to the nature of the platform, all future production requirements may vary based on warfighter necessity and available funding.

The MQ-9 Reaper aircraft is a single-engine, turbo-prop Remotely Piloted Aircraft (RPA) designed to operate over-the-horizon at medium-to-high altitude for long endurance sorties. The aircraft is being designed primarily to prosecute critical emerging Time-Sensitive-Targets (TST) as a radar, Electro-Optical/Infra-Red (EO/IR), and laser designator-based attack asset with on-board hard-kill capability (hunter-killer) while performing Intelligence, Surveillance, Reconnaissance and Target Acquisition (ISR TA). In the hunter-killer role, the aircraft will employ fused multi-spectral sensor information to find, fix, and track ground targets and assess post-strike results using Automatic Target Cueing (ATC), Target Location Accuracy (TLA), Metric Sensor and other capabilities.

The GCS functions as the aircraft cockpit and can control the aircraft from either within Line-of-Sight (LOS) or Beyond Line-of-Sight (BLOS) via a combination of satellite relay and terrestrial communication architectures. The GCS is either mobile to support forward operating locations or fixed at a facility to support Remote Split Operations (RSO). The GCS has the capability to perform mission planning functions; provides a means for manual and/or autonomous command and control; allows personnel to launch, recover, and monitor aircraft, payloads, and system communications status; secure data links to receive payload sensor data and command links; monitor threats to the aircraft; display common operational picture information; and provide support functions. Additionally, a Launch and Recovery GCS (LRGCS) allows for servicing, systems checks, maintaining, launching, and recovering aircraft under LOS control for hand-off to a mobile or fixed GCS. The GCS will continue to evolve and upgrade its capabilities to keep pace with MQ-9 system capabilities, Concept of Operations (CONOPS), and the missions they perform. Near-term upgrades include new LINUX processors, high definition monitors, and ergonomic improvements. Future planned upgrades include integrating improved human-machine interfaces, open systems architecture, improved crew habitability, and multiple aircraft control. Future GCS configurations will leverage

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Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft		P-1 Line Item Number / Title: PRDTB1 / MQ-9
ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0304260F, 0305206F, 0305219F
Line Item MDAP/MAIS Code: 424		
<p>the Unmanned Aerospace System (UAS) Command and Control (C2) Initiative (UCI) government-owned open system standard to enable improved capabilities for situational awareness and multi-mission management monitoring and oversight.</p> <p>Flyaway cost subtotal includes GCS, Ground Data Terminals (GDTs), and Predator Primary Satellite Links (PPSLs) which are not procured in the same quantities as aircraft. Thus, the unit flyaway cost will fluctuate from year to year as different quantities of GCSs, GDTs, and PPSLs are procured.</p> <p>Block 50 GCS production initial buys will be used for Tactics, Techniques, and Procedures (TTP) development for the Remotely Piloted Aircraft (RPA) school house and other training units. The initial production of Block 50 was delayed in order to meet a new single Operational Flight Program (OFP) requirement. Block 30 GCS deliveries will be complete as of the end of 2020.</p> <p>MQ-9s are procured sole-source with General Atomics-Aeronautical Systems Incorporated (GA-ASI). GA-ASI is responsible for the aircraft and Ground Control Station (GCS), The Raytheon Company for the Multi-Spectral Targeting System-B (MTS-B) EO/IR sensor, and L3 Communications for the Operator Simulator and satellite communication (SATCOM) infrastructure components.</p> <p>This program has associated Research Development Test and Evaluation Air Force (AF) funding in Program Element (PE) 0205219F MQ-9 Reaper UAV.</p> <p>Funding for this exhibit contained in PE 0205219F.</p> <p>Funding may be used to address Diminishing Manufacturing Sources (DMS) and Non-Recurring Engineering (NRE) issues. MQ-9 will complete Bridge or Life of Type Buys (LOTB), to protect the production lines as long as such a procurement is more optimal than other DMSMS solutions.</p> <p>MQ-9 Integrated Program Review (IPR) completed 11 Sep 2017, program ID Code is now A. A formal Full Rate Production (FRP) will not be completed due to the de facto production decision provided by continued funding beyond Low Rate Initial Production. Developmental specifications are being used for contracting.</p> <p>As directed in the FY 2018 NDAA, Sec 825, amendment to PL 114-92 FY 2016 NDAA, Sec 828 Penalty for Cost Overruns, the FY 2018 Air Force penalty total is \$14.373M. The calculated percentage reduction to each research, development, test and evaluation and procurement account will be allocated proportionally from all programs, projects, or activities under such account.</p>		

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Appropriation / Budget Activity / Budget Sub Activity: 3010F: Aircraft Procurement, Air Force / BA 04: Other Aircraft / BSA 5: Other Aircraft	P-1 Line Item Number / Title: PRDTB1 / MQ-9
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ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0304260F, 0305206F, 0305219F
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Line Item MDAP/MAIS Code: 424

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	MQ-9	P-5a, P-21	A		347 / 6,204.741	16 / 389.221	24 / 401.603	3 / 189.205	9 / 172.240	12 / 361.445
P-40	Total Gross/Weapon System Cost				347 / 6,204.741	16 / 389.221	24 / 401.603	3 / 189.205	9 / 172.240	12 / 361.445

*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:

A. Aircraft Production - FY20 OCO funding procures 9 of the latest configuration of the MQ-9 aircraft to support service life replacement of aging aircraft.

B. Production Support - FY20 funding included in Production Support consists of Engineering Change Orders (ECO) urgent services, and non-recurring production costs associated with diminishing manufacturing sources, reliability and maintenance (R&M), safety enhancements, and higher level initiatives directed by the Air Force.

C. Ground Control Station (GCS) & Government Furnished Equipment (GFE) - FY20 funding procures GCSs, used for MQ-9 operations to support the standup, fielding, and sustainment of 60 Combat Lines (CL). This effort procures GCS. The GCS functions as the aircraft cockpit and can control the aircraft from either within line-of-sight (LOS) or beyond LOS (BLOS) via a combination of satellite relay and terrestrial communication architectures. GCS are used to support Remote Split Operations (RSO) from Continental United States locations, and launch/recovery from forward operating locations. The total quantity and configuration procured is determined by budget and mission requirements. Due to budget reductions the FY24 Block 50 GCS buy will be removed.

D. Training Device/Simulator - FY20 funding procures Brief/Debrief Stations, local area network (LAN) cabinets, and other mission requirements to support aircrew training. Simulator quantities are various configurations of Instructor Operator Stations (IOS) with mission coordination capabilities to support aircrew training.

E. Support Equipment - FY20 funding procures, but is not limited to, test equipment, Ruggedized Aircraft Maintenance Test Stations (RAMTS) and cooling carts, in support of the aircraft and GCS Operations.

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Exhibit P-5, Cost Analysis: PB 2020 Air Force											Date: February 2019					
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5						P-1 Line Item Number / Title: PRDTB1 / MQ-9					Item Number / Title [DODIC]: MQ-9					
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 (Units in Each)				347		16		24		3		9		12		
Gross/Weapon System Cost (\$ in Millions)				6,204.741		389.221		401.603		189.205		172.240		361.445		
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-		
Net Procurement (P-1) (\$ in Millions)				6,204.741		389.221		401.603		189.205		172.240		361.445		
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-		
Total Obligation Authority (\$ in Millions)				6,204.741		389.221		401.603		189.205		172.240		361.445		
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																
Initial Spares (\$ in Millions)				685.020		186.164		61.843		72.852		43.060		115.912		
Gross/Weapon System Unit Cost (\$ in Millions)				17.881		24.326		16.733		63.068		19.138		30.120		

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 (\$ 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)
Flyaway - Flyaway End Item Cost																		
Recurring Cost																		
MQ-9 Reaper Aircraft and GFE ⁽¹⁾	12.384	347	4,297.168	16.456	16	263.300	15.883	24	381.193	22.703	3	68.110	19.138	9	172.240	20.029	12	240.350
Production Support	-	-	217.229	-	-	6.021	-	-	-	-	-	0.990	-	-	-	-	-	0.990
Fixed Ground Control Station and GFE ⁽¹⁾	2.782	89	247.632	-	-	-	-	-	-	3.904	12	46.845	-	-	-	3.904	12	46.845
Mobile Ground Control Station and GFE	3.161	39	123.283	6.850	4	27.400	-	-	-	-	-	-	-	-	-	-	-	-
Dual Ground Control Station and GFE	5.084	11	55.921	4.500	16	72.000	-	-	-	-	-	-	-	-	-	-	-	-
Ground Data Terminals	0.320	144	46.072	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Predator Primary Satellite Link (PPSL)	1.238	124	153.518	-	-	-	-	-	-	-	-	10.090	-	-	-	-	-	10.090
<i>Subtotal: Recurring Cost</i>	-	-	<i>5,140.823</i>	-	-	<i>368.721</i>	-	-	<i>381.193</i>	-	-	<i>126.035</i>	-	-	<i>172.240</i>	-	-	<i>298.275</i>
<i>Subtotal: Flyaway - Flyaway End Item Cost</i>	-	-	<i>5,140.823</i>	-	-	<i>368.721</i>	-	-	<i>381.193</i>	-	-	<i>126.035</i>	-	-	<i>172.240</i>	-	-	<i>298.275</i>
Support - Support End Item Cost																		
Other Government Costs (OGC)	-	-	135.815	-	-	20.500	-	-	20.410	-	-	16.930	-	-	-	-	-	16.930
Initial Spares/Deployment Support Kits	-	-	596.365	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
Support Equipment	-	-	224.373	-	-	0.000	-	-	0.000	-	-	10.440	-	-	-	-	-	10.440
Training Device/Simulator	-	-	107.365	-	-	0.000	-	-	0.000	-	-	35.800	-	-	-	-	-	35.800

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Exhibit P-5, Cost Analysis: PB 2020 Air Force		Date: February 2019
Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
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 (\$ 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)
Production Shutdown	-	-	-	-	-	0.000	-	-	0.000	-	-	0.000	-	-	-	-	-	0.000
<i>Subtotal: Support - Support End Item Cost</i>	-	-	1,063.918	-	-	20.500	-	-	20.410	-	-	63.170	-	-	-	-	-	63.170
Gross/Weapon System Cost	17.881	347	6,204.741	24.326	16	389.221	16.733	24	401.603	63.068	3	189.205	19.138	9	172.240	30.120	12	361.445

Remarks:

Ground Control Station (GCS) & Government Furnished Equipment (GFE) - The GCS functions as the aircraft cockpit and can control the aircraft from either within Line-of-Sight (LOS) or Beyond Line-of-Sight (BLOS) via a combination of satellite relay and terrestrial communication architectures. GCSs are used primarily to support Remote Split Operations (RSO) from Continental United States locations. Block 30 GCS procurement began FY15 and is currently planned through FY18. Air Combat Command (ACC) is conducting analysis which can cause GCS quantity to change in year of execution. Due to budget reductions the FY24 Block 50 GCS buy will be removed.

Flyaway cost subtotal includes GCS, Ground Data Terminals (GDT), and Predator Primary Satellite Link (PPSL) which are not procured in the same quantities as aircraft. Thus, the flyaway cost will fluctuate from year to year as different quantities of GCSs, GDTs, and PPSLs are procured.

Aircraft Unit costs increase from \$15.883 in FY19 to \$20.029M in FY20 due to decrease in aircraft quantities. 12 aircraft are the Minimum Sustaining Rate (MSR) for MQ-9; reduced quantities below the economic order quantity result in increased unit costs.

No Ground Control Stations (GCS) procurements planned for FY24 due to budget constraints.

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2020 Air Force **Date:** February 2019

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
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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
MQ-9 Reaper Aircraft and GFE ^(†)		2015	GA-ASI / Poway, CA	SS / FPIF	AFLCMC Wright Patterson AFB	Aug 2016	Jul 2018	24	13.367	Y		Dec 2015
MQ-9 Reaper Aircraft and GFE ^(†)		2016	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Apr 2017	Jul 2019	33	13.770	Y		Jan 2016
MQ-9 Reaper Aircraft and GFE ^(†)		2017	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Mar 2018	May 2020	24	14.325	Y		Dec 2016
MQ-9 Reaper Aircraft and GFE ^(†)		2018	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Nov 2018	Jan 2021	16	16.456	Y		Dec 2017
MQ-9 Reaper Aircraft and GFE ^(†)		2019	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Sep 2019	Aug 2021	24	15.883	Y		Oct 2018
MQ-9 Reaper Aircraft and GFE ^(†)		2020	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jul 2020	Aug 2022	3	22.703	Y		Dec 2019
MQ-9 Reaper Aircraft and GFE ^(†)	✓	2020	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jul 2020	Nov 2022	9	19.138	Y		Dec 2019
Fixed Ground Control Station and GFE ^(†)		2015	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Nov 2016	Oct 2017	11	3.518	Y		Oct 2014
Fixed Ground Control Station and GFE ^(†)		2016	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jul 2017	Nov 2018	15	3.154	Y		Aug 2015
Fixed Ground Control Station and GFE ^(†)		2020	GA-ASI / Poway, CA	SS / FFP	AFLCMC Wright Patterson AFB	Jul 2020	Dec 2021	12	3.904	Y		Jul 2019

^(†) indicates the presence of a P-21

Remarks:

MQ-9 Integrated Program Review (IPR) completed 11 Sep 2017, program ID Code is now Code A. A formal Full Rate Production (FRP) will not be completed due to the de facto production decision provided by continued funding beyond Low Rate Initial Production. Developmental specifications are being used for contracting.

MQ-9 Aircraft

Four (4) of the thirty-three (33) FY16 aircraft were purchased using Overseas Contingency Operations (OCO) funding
 Twenty-four (24) FY17 aircraft were purchased using OCO funding.
 Four(4) FY18 aircraft will be purchased using OCO funding.
 Sixteen(16) FY19 aircraft will be purchased using OCO funding.

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Exhibit P-21, Production Schedule: PB 2020 Air Force **Date:** February 2019

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** PRDTB1 / MQ-9 **Item Number / Title [DODIC]:** MQ-9

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2016												Fiscal Year 2017												BALANCE	
O C C #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	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
MQ-9 Reaper Aircraft and GFE																															
Prior Years Deliveries: 266																															
	1	2015	AF	24	0	24																							24		
	1	2016	AF	33	0	33																							33		
	2	2017	AF	24	0	24																							24		
	2	2018	AF	16	0	16																							16		
	1	2019	AF	24	0	24																							24		
	1	2020	AF	3	0	3																							3		
✓	1	2020	AF	9	0	9																							9		
Fixed Ground Control Station and GFE																															
Prior Years Deliveries: 63																															
	3	2015	AF	11	0	11																							11		
	3	2016	AF	15	0	15																							15		
	3	2020	AF	12	0	12																							12		
							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 Air Force **Date:** February 2019

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
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Cost Elements <i>(Units in Each)</i>					Fiscal Year 2018														Fiscal Year 2019														BALANCE		
O C O #	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					

MQ-9 Reaper Aircraft and GFE																															
Prior Years Deliveries: 266																															
1	2015	AF		24	0	24	-	-	-	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	3	3	3	3	0		
1	2016	AF		33	0	33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	24
2	2017	AF		24	0	24																								24	
2	2018	AF		16	0	16																								16	
1	2019	AF		24	0	24																								24	
1	2020	AF		3	0	3																								3	
✓ 1	2020	AF		9	0	9																								9	

Fixed Ground Control Station and GFE																														
Prior Years Deliveries: 63																														
3	2015	AF		11	0	11	2	2	3																					4
3	2016	AF		15	0	15	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	3	3	3	3	3	1			0
3	2020	AF		12	0	12																								12

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 Air Force **Date:** February 2019

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5 **P-1 Line Item Number / Title:** PRDTB1 / MQ-9 **Item Number / Title [DODIC]:** MQ-9

Cost Elements <i>(Units in Each)</i>						Fiscal Year 2022													Fiscal Year 2023													BALANCE	
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022													Calendar Year 2023													
							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			
MQ-9 Reaper Aircraft and GFE																																	
Prior Years Deliveries: 266																																	
1	2015	AF		24	24	0																							0				
1	2016	AF		33	33	0																							0				
2	2017	AF		24	24	0																							0				
2	2018	AF		16	16	0																							0				
1	2019	AF		24	4	20	2	2	2	2	2	2	2	2	2														0				
1	2020	AF		3	0	3	-	-	-	-	-	-	-	-	-	1	1	1											0				
✓ 1	2020	AF		9	0	9	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	0				
Fixed Ground Control Station and GFE																																	
Prior Years Deliveries: 63																																	
3	2015	AF		11	7	4																							4				
3	2016	AF		15	15	0																							0				
3	2020	AF		12	0	12	-	-	1	1	1	1	1	1	1	1	1	1	1	1									0				
							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 Air Force **Date:** February 2019

Appropriation / Budget Activity / Budget Sub Activity: 3010F / 04 / 5	P-1 Line Item Number / Title: PRDTB1 / MQ-9	Item Number / Title [DODIC]: MQ-9
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MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			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	GA-ASI - Poway, CA	12	16	36	0	0	0	0	0	0	10	25	35
2	GA-ASI - Poway, CA				0	0	0	0	0	0	0	0	0
3	GA-ASI - Poway, CA	12	24	48	0	10	17	27	0	0	0	0	0

Remarks:
 MQ-9 Reaper Aircraft: This effort will procure Block 5 MQ-9 Reaper aircraft and associated Multi-spectral Targeting System (MTS-B) Electro-Optical/Infra-Red (EO/IR) sensors, Lynx Synthetic Aperture Radar (SAR) sensors, and Hellfire launchers and rails.

The FY12 aircraft production took longer than twelve (12) months due to the Block 1 to Block 5 aircraft production line conversion, and the Accelerated Extended Range JUON production cut-in.

Due to Follow On Test & Evaluation (FOT&E) compliance discussions, the FY13 aircraft did not begin delivery until August 2016. This further led to a delay in negotiations for the FY15 aircraft buy, causing a four (4) month production break. This production break is captured in the FY14 funding that was utilized in the FY15 aircraft buy. FY14 funding was utilized on the FY15 aircraft buy to accelerate the FY18 requirement.

"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).