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

Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 3: Special Purpose Vehicles **P-1 Line Item Number / Title:** 823210 / Joint Light Tactical Vehicle

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 (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	-	0.000	46.177	32.027	40.999	73.026	61.915	64.158	61.619	164.275	-	471.170
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (<i>\$ in Millions</i>)	-	0.000	46.177	32.027	40.999	73.026	61.915	64.158	61.619	164.275	-	471.170
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	-	0.000	46.177	32.027	40.999	73.026	61.915	64.158	61.619	164.275	-	471.170

(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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-

Description:

FY19 funding totals include \$17.482M appropriated for Overseas Contingency Operations.

The Joint Light Tactical Vehicle (JLTV) Family of Vehicles (FoV) have been chosen as the multi-service (USMC, Army, Navy, and Air Force) tactical vehicle replacement for the HMMWV. JLTV provides major operational improvements in Force Protection (FP), payload, mobility, fuel efficiency and reliability, along with the growth potential to meet future mission requirements. The JLTV also has a companion trailer that is available with the vehicle to replace the HMMWV trailer (M1101/M1102).

The USAF investment in JLTVs began in FY17 and FY18 under 823230 - Security and Tactical Vehicles. Starting in FY19 and throughout the FYDP, JLTVs will be procured under BPAC 823210. The USAF JLTV program will have multiple Work Directives generated and worked through the Joint Program Office (JPO) for USAF specific requirements and kit operability on three JLTV variants and a JLTV trailer.

General Purpose (GP) JLTV - The GP JLTV is the base vehicle that carries a 4 man-crew with a payload of 3,500 lbs. Users: ACC, AFMC, AMC, PACAF, USAFE

Utility (UT) JLTV - The Utility JLTV carries a 2 man crew for cargo delivery or shelter carrier. It supports a payload of 5,100 lbs. Users: ACC, AFMC, AMC, PACAF

Heavy Guns Carrier (HGC) JLTV - The HGC JLTV carries a 4 man-crew and a Gunner in Turret or Remote Weapon System (RWS). It supports crew served weapons (M-2 or MK-19) with Gunner's Protection Kit or RWS. Users: AETC, AFCENT, AFGSC, AFSPC, AMC, PACAF, USAFE

JLTV Trailer - The JLTV Trailer is capable of meeting similar mobility characteristics to the prime mover and is capable of safely carrying payload of 5500 lbs. Users: EOD

Expansion Kits - Expansion kits are made up of both the Contractor Furnished Equipment (CFE) kit and Government Furnished Equipment (GFE) kits. The total unit cost of each JLTV will vary based on the expansion kit requirements selected by each user community (EOD, SFS, TACP, Red Horse, Medical, AFSOC) based on mission requirements. If mission requirements change, certain kits may be added to the vehicle at a later time, post-production, to meet ops tempo.

- Contractor Furnished Equipment (CFE) Kits comes fully installed and integrated into the vehicle during production. CFE kits include, but are not limited to, Armor kits, intercom kit, run flats, combat bumpers, and explosively formed projectile protection kits.

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Line Item MDAP/MAIS Code: N/A		

- Government Furnished Equipment (GFE) Kits when ordered as an expansion kit are integrated into the vehicle during production. Integration includes: "all necessary cabling (power, signal, RF), connector(s), and hardware required above and beyond the Contractor furnished Base Vehicle Platforms Infrastructure and Baseline Integration Kits. GFE kits include, but are not limited to, VRC radio kits, CREW-CVRJ kits, DVE kits, and shot detection kits. No LRUs are included in the expansion kits.

Work Directives: Funding will be needed to complete compatibility and operability testing work directives with the OEM on any new AF specific requirements that will be added to the JLTV based on user requirements. Work Directives will also be required for any repairs that will need to be executed prior to JPO long term repair and maintenance contracts are awarded.

Overhead Equipment: Overhead GFE for the HGC JLTVs will consist of: M1114 Turret Ring and Hatch; Improved Turret Drive System (ITDS); Objective Gunners Protection Kit (OGPK); and Common Remotely Operated Weapon Station (CROWS). The M1114 Ring and Hatch will apply to all HGC JLTV configurations. The OGPK and ITDS will be installed on the majority of the HGC JLTV configurations with the rest receiving the CROWS system.

In accordance with Section 1815 of the FY 2008 National Defense Authorization (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.

Funding for this exhibit contained in PEs: 0202843F, 0502834F, 0502844F, 0702831F

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.

Secondary Distribution		FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024
AF	Quantity	0	48	59	75	134	-	-	-	-
	Total Obligation Authority	0.000	45.639	29.919	40.999	70.918	-	-	-	-
AFNG	Quantity	0	1	5	0	5	-	-	-	-
	Total Obligation Authority	0.000	0.669	1.688	0.000	1.688	-	-	-	-
AFR	Quantity	0	1	1	0	1	-	-	-	-
	Total Obligation Authority	0.000	0.269	0.420	0.000	0.420	-	-	-	-
Total: Secondary Distribution	Quantity	0	50	65	75	140	-	-	-	-
	Total Obligation Authority	0.000	46.577	32.027	40.999	73.026	-	-	-	-

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Appropriation / Budget Activity / Budget Sub Activity: 3080F: Other Procurement, Air Force / BA 02: Vehicular Equipment / BSA 3: Special Purpose Vehicles **P-1 Line Item Number / Title:** 823210 / Joint Light Tactical Vehicle

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-40a	Joint Light Tactical Vehicle				- / -	- / -	- / 46.177	- / 32.027	- / 40.999	- / 73.026
P-40	Total Gross/Weapon System Cost				- / -	- / 0.000	- / 46.177	- / 32.027	- / 40.999	- / 73.026

*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. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

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

Justification:

FY20 procurement dollars in the amount of \$73.026M will procure, but not be limited to, 140 vehicles in support of installation and unit mission requirements for Air Force personnel.

FY20 OCO dollars in the amount of \$40.999M will procure, but not be limited to, 75 vehicles in support of installation and unit mission requirements for Air Force personnel.

Quantities are based on current requirements provided by the 441 Vehicle Support Chain Operations Squadron (VSCOS) IAW the process outlined in AFI 24-302, Vehicle Management. The requirements are generated from the priority buy model that is used to support the Planning, Programming, Budgeting and Execution (PPBE) process. The model calculates vehicle requirements by fund year by BPAC using end of life projections based on depreciation and service life of the vehicle, cumulative sustainment cost and mission priority.

Quantities reflected on the PDOCs show current requirements for each year supporting Active Duty, Air Force Reserve Center (AFRC), Air National Guard (ANG), Rapid Airfield Damage Repair (RADR), European Deterrence Initiative (EDI), Set the Theater Initiatives for PACOM, and other initiatives as they arise.

Unit Cost is subject to change from year-to-year based on buy quantities and user expansion kit requirements provided by each user community based on mission requirements. Unit cost is also subject to change based on fluctuations in contract pricing.

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 Air Force																Date: February 2019				
Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 3						P-1 Line Item Number / Title: 823210 / Joint Light Tactical Vehicle						Aggregated Items Title: Joint Light Tactical Vehicle								
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	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)
uncategorized																				
JLTV, HEAVY GUNS CARRIER (HGC) 2320-01-653-6495	A		-	-	-	-	-	-	0.269	50	13.450	0.260	42	10.920	0.260	75	19.493	0.260	117	30.413
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-		48	12.912		39	10.140		75	19.493		114	29.633
AFNG			-	-	-	-	-	-		1	0.269		2	0.520		-	-		2	0.520
AFR			-	-	-	-	-	-		1	0.269		1	0.260		-	-		1	0.260
Objective Gunner Protection Kit (OGPK) 2540-01-543-8325	A		-	-	-	-	-	-	-	-	0.994	-	-	0.605	-	-	0.972	-	-	1.577
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	0.994	-	-	0.605	-	-	0.972	-	-	1.577
IMPROVED TURRET DRIVE SYSTEM (ITDS) 1005-01-591-0452	A		-	-	-	-	-	-	-	-	0.488	-	-	0.297	-	-	0.477	-	-	0.774
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	0.488	-	-	0.297	-	-	0.477	-	-	0.774
CROWs BASELINE v2 1090-25-160-1150	A		-	-	-	-	-	-	-	-	8.185	-	-	3.761	-	-	6.636	-	-	10.397
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	8.185	-	-	3.761	-	-	6.636	-	-	10.397
M1114 TURRET RING AND HATCH ADAPTER 2510-01-599-0252	A		-	-	-	-	-	-	-	-	0.892	-	-	0.910	-	-	1.365	-	-	2.275
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	0.892	-	-	0.910	-	-	1.365	-	-	2.275
PMA: CONTRACTOR SERVICES	A		-	-	-	-	-	-	-	-	1.097	-	-	1.106	-	-	-	-	-	1.106
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	1.097	-	-	1.106	-	-	-	-	-	1.106
JLTV TRAILER 2330-01-653-9745	A		-	-	-	-	-	-	-	-	-	0.060	6	0.360	-	-	-	0.060	6	0.360
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	-	-	6	0.360	-	-	-	-	6	0.360
PMA OTHER GOVERNMENT COSTS	A		-	-	-	-	-	-	-	-	0.021	-	-	0.011	-	-	-	-	-	0.011
<i>Secondary Distribution</i>																				
AF			-	-	-	-	-	-	-	-	0.021	-	-	0.011	-	-	-	-	-	0.011

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2020 Air Force **Date:** February 2019

Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 3 **P-1 Line Item Number / Title:** 823210 / Joint Light Tactical Vehicle **Aggregated Items Title:** Joint Light Tactical Vehicle

Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	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)
GOVERNMENT FURNISHED EQUIPMENT (GFE) KITS	A		-	-	-	-	-	-	-	10.325	-	-	3.689	-	-	6.015	-	-	9.704	
<i>Secondary Distribution</i>																				
AF				-	-	-	-	-	-	10.325			3.609			6.015			9.624	
AFR				-	-	-	-	-	-	-			0.080			-			0.080	
JLTV, UTILITY (UT) 2320-01-653-6516	A		-	-	-	-	-	-	-	-	0.249	8	1.990	-	-	-	0.249	8	1.990	
<i>Secondary Distribution</i>																				
AF				-	-	-	-	-	-	-		7	1.741		-	-		7	1.741	
AFNG				-	-	-	-	-	-	-		1	0.249		-	-		1	0.249	
JLTV, GENERAL PURPOSE (GP) 2320-01-653-6557	A		-	-	-	-	-	-	-	-	0.259	9	2.332	-	-	-	0.259	9	2.332	
<i>Secondary Distribution</i>																				
AF				-	-	-	-	-	-	-		7	1.814		-	-		7	1.814	
AFNG				-	-	-	-	-	-	-		2	0.518		-	-		2	0.518	
WORK DIRECTIVES	A		-	-	-	-	-	-	-	0.400	-	-	0.400	-	-	0.026	-	-	0.426	
<i>Secondary Distribution</i>																				
AF				-	-	-	-	-	-	0.400			0.400		-	0.026		-	0.426	
AFNG				-	-	-	-	-	-	0.400			-		-	-		-	-	
CONTRACTOR FURNISHED EQUIPMENT (CFE) KITS	A		-	-	-	-	-	-	-	10.325	-	-	5.646	-	-	6.015	-	-	11.661	
<i>Secondary Distribution</i>																				
AF				-	-	-	-	-	-	10.325			5.165		-	6.015		-	11.180	
AFNG				-	-	-	-	-	-	-			0.401		-	-		-	0.401	
AFR				-	-	-	-	-	-	-			0.080		-	-		-	0.080	
Subtotal: unategorized			-	-	-	-	-	-	-	46.177	-	-	32.027	-	-	40.999	-	-	73.026	
Total			-	-	-	-	-	-	-	46.177	-	-	32.027	-	-	40.999	-	-	73.026	

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Remarks:

Based on AF Mission changes and/or AF Mission priorities, NSNs and/or quantities may change during year of execution.

UNIT COSTS FOR FY20 ARE SUBJECT TO CHANGE.

PMA OTHER CONTRACTOR SERVICES: This funding includes provisions for government contract oversight, technical expertise, and program office support associated with the JLTV program.

PMA OTHER GOVERNMENT COSTS: This line supports the operation of the program office in its management and oversight role via travel, procurement of supplies and studies.

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Appropriation / Budget Activity / Budget Sub Activity: 3080F / 02 / 3	P-1 Line Item Number / Title: 823210 / Joint Light Tactical Vehicle	Aggregated Items Title: Joint Light Tactical Vehicle
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