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**Department of Defense
Fiscal Year (FY) 2021 Budget Estimates**

February 2020



United States Special Operations Command

Defense-Wide Justification Book Volume 1 of 2

Procurement, Defense-Wide

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United States Special Operations Command • Budget Estimates FY 2021 • Procurement

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Defense-Wide
FY 2021 President's Budget
Exhibit P-1 FY 2021 President's Budget
Total Obligational Authority
(Dollars in Thousands)

04 Feb 2020

| Appropriation ----- | FY 2019 (Base + OCO) ----- | FY 2020 Base Enacted ----- | FY 2020 Emergency ----- | FY 2020 OCO Enacted ----- |
|---------------------------|----------------------------------|----------------------------------|-------------------------------|---------------------------------|
| Procurement, Defense-Wide | 3,108,087 | 2,199,919 | | 369,222 |
| Total Defense-Wide | 3,108,087 | 2,199,919 | | 369,222 |

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(Dollars in Thousands)

04 Feb 2020

| Appropriation ----- | FY 2020 Total Enacted (Base+Emerg+ OCO) ----- | FY 2021 Base ----- | FY 2021 OCO for Base Requirements ----- | FY 2021 OCO for Direct War and Enduring Costs ----- |
|---------------------------|---|--------------------------|--|--|
| Procurement, Defense-Wide | 2,569,141 | 2,067,619 | | 246,331 |
| Total Defense-Wide | 2,569,141 | 2,067,619 | | 246,331 |

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(Dollars in Thousands)

04 Feb 2020

| Appropriation ----- | FY 2021 Total OCO ----- | FY 2021 Total (Base + OCO) ----- |
|---------------------------|----------------------------------|---|
| Procurement, Defense-Wide | 246,331 | 2,313,950 |
| Total Defense-Wide | 246,331 | 2,313,950 |

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04 Feb 2020

| Organization: Procurement, Defense-Wide ----- | FY 2019 (Base + OCO) ----- | FY 2020 Base Enacted ----- | FY 2020 Emergency ----- | FY 2020 OCO Enacted ----- |
|--|----------------------------------|----------------------------------|-------------------------------|---------------------------------|
| U.S., Special Operations Command, SOCOM | 3,108,087 | 2,199,919 | | 369,222 |
| Total | 3,108,087 | 2,199,919 | | 369,222 |

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| Organization: Procurement, Defense-Wide ----- | FY 2021 Total OCO ----- | FY 2021 Total (Base + OCO) ----- |
|--|----------------------------------|---|
| U.S., Special Operations Command, SOCOM | 246,331 | 2,313,950 |
| Total | 246,331 | 2,313,950 |

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Appropriation: Procurement, Defense-Wide

| Budget Activity ----- | FY 2019 (Base + OCO) ----- | FY 2020 Base Enacted ----- | FY 2020 Emergency ----- | FY 2020 OCO Enacted ----- |
|---------------------------------|----------------------------------|----------------------------------|-------------------------------|---------------------------------|
| 02. Special Operations Command | 3,108,087 | 2,199,919 | | 369,222 |
| Total Procurement, Defense-Wide | 3,108,087 | 2,199,919 | | 369,222 |

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| Budget Activity ----- | FY 2020 Total Enacted (Base+Emerg+ OCO) ----- | FY 2021 Base ----- | FY 2021 OCO for Base Requirements ----- | FY 2021 OCO for Direct War and Enduring Costs ----- |
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| 02. Special Operations Command | 2,569,141 | 2,067,619 | | 246,331 |
| Total Procurement, Defense-Wide | 2,569,141 | 2,067,619 | | 246,331 |

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Appropriation: Procurement, Defense-Wide

| Budget Activity ----- | FY 2021 Total OCO ----- | FY 2021 Total (Base + OCO) ----- |
|---------------------------------|----------------------------------|---|
| 02. Special Operations Command | 246,331 | 2,313,950 |
| Total Procurement, Defense-Wide | 246,331 | 2,313,950 |

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Appropriation: 0300D Procurement, Defense-Wide

| Line No | Item Nomenclature | Ident Code | FY 2019 (Base + OCO) Quantity Cost | FY 2020 Base Enacted Quantity Cost | FY 2020 Emergency Quantity Cost | FY 2020 OCO Enacted Quantity Cost | S e c |
|--|--------------------------------------|---------------|--|--|---------------------------------------|---|-------------|
| Budget Activity 02: Special Operations Command | | | | | | | |
| ----- | | | | | | | |
| Aviation Programs | | | | | | | |
| 55 | Armed Overwatch/Targeting | | | | | | U |
| 56 | Manned ISR | | 5,000 | | | 5,000 | U |
| 57 | MC-12 | | 23,900 | | | 5,000 | U |
| 58 | MH-60 Blackhawk | A | 27,600 | | | 25,264 | U |
| 59 | Rotary Wing Upgrades and Sustainment | | 148,907 | 172,020 | | | U |
| 60 | Unmanned ISR | A | 101,308 | 11,748 | | 8,207 | U |
| 61 | Non-Standard Aviation | | 31,731 | 32,310 | | | U |
| 62 | U-28 | | 105,723 | 10,898 | | 31,500 | U |
| 63 | MH-47 Chinook | | 157,892 | 171,812 | | 34,281 | U |
| 64 | CV-22 Modification | | 34,029 | 17,256 | | | U |
| 65 | MQ-9 Unmanned Aerial Vehicle | | 24,621 | 5,338 | | 1,900 | U |
| 66 | Precision Strike Package | | 229,674 | 232,930 | | | U |
| 67 | AC/MC-130J | | 163,181 | 143,232 | | | U |
| 68 | C-130 Modifications | | 72,942 | 15,582 | | | U |
| Shipbuilding | | | | | | | |
| 69 | Underwater Systems | | 128,816 | 58,991 | | | U |

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Appropriation: 0300D Procurement, Defense-Wide

| Line No | Item Nomenclature | Ident Code | FY 2020 Total Enacted (Base+Emerg+ OCO) | | FY 2021 Base | | FY 2021 OCO for Base Requirements | | FY 2021 OCO for Direct War and Enduring Costs | | S e c |
|--|--------------------------------------|---------------|--|---------|-----------------|---------|---|------|---|------|-------------|
| | | | Quantity | Cost | Quantity | Cost | Quantity | Cost | Quantity | Cost | |
| Budget Activity 02: Special Operations Command | | | | | | | | | | | |
| ----- | | | | | | | | | | | |
| Aviation Programs | | | | | | | | | | | |
| 55 | Armed Overwatch/Targeting | | | | 5 | 101,000 | | | | | U |
| 56 | Manned ISR | | | 5,000 | | | | | 5,000 | | U |
| 57 | MC-12 | | | 5,000 | | | | | 5,000 | | U |
| 58 | MH-60 Blackhawk | A | | 25,264 | | | | | | | U |
| 59 | Rotary Wing Upgrades and Sustainment | | | 172,020 | | 211,041 | | | | | U |
| 60 | Unmanned ISR | A | | 19,955 | | 25,488 | | | 8,207 | | U |
| 61 | Non-Standard Aviation | | | 32,310 | | 61,874 | | | | | U |
| 62 | U-28 | | | 42,398 | | 3,825 | | | | | U |
| 63 | MH-47 Chinook | | | 206,093 | | 135,482 | | | | | U |
| 64 | CV-22 Modification | | | 17,256 | | 14,829 | | | | | U |
| 65 | MQ-9 Unmanned Aerial Vehicle | | | 7,238 | | 6,746 | | | | | U |
| 66 | Precision Strike Package | | | 232,930 | | 243,111 | | | | | U |
| 67 | AC/MC-130J | | | 143,232 | | 163,914 | | | | | U |
| 68 | C-130 Modifications | | | 15,582 | | 20,414 | | | | | U |
| Shipbuilding | | | | | | | | | | | |
| 69 | Underwater Systems | | | 58,991 | | 20,556 | | | | | U |

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Appropriation: 0300D Procurement, Defense-Wide

| Line No | Item Nomenclature | Ident Code | FY 2021 Total OCO Quantity | Cost | FY 2021 Total (Base + OCO) Quantity | Cost | S e c |
|--|--------------------------------------|---------------|-------------------------------------|-------|--|---------|-------------|
| Budget Activity 02: Special Operations Command | | | | | | | |
| ----- | | | | | | | |
| Aviation Programs | | | | | | | |
| 55 | Armed Overwatch/Targeting | | | | 5 | 101,000 | U |
| 56 | Manned ISR | | | 5,000 | | 5,000 | U |
| 57 | MC-12 | | | 5,000 | | 5,000 | U |
| 58 | MH-60 Blackhawk | A | | | | | U |
| 59 | Rotary Wing Upgrades and Sustainment | | | | | 211,041 | U |
| 60 | Unmanned ISR | A | | 8,207 | | 33,695 | U |
| 61 | Non-Standard Aviation | | | | | 61,874 | U |
| 62 | U-28 | | | | | 3,825 | U |
| 63 | MH-47 Chinook | | | | | 135,482 | U |
| 64 | CV-22 Modification | | | | | 14,829 | U |
| 65 | MQ-9 Unmanned Aerial Vehicle | | | | | 6,746 | U |
| 66 | Precision Strike Package | | | | | 243,111 | U |
| 67 | AC/MC-130J | | | | | 163,914 | U |
| 68 | C-130 Modifications | | | | | 20,414 | U |
| Shipbuilding | | | | | | | |
| 69 | Underwater Systems | | | | | 20,556 | U |

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|------------|---|---------------|--|--|---------------------------------------|---|-------------|
| ---- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| | Ammunition Programs | | | | | | |
| 70 | Ordnance Items <\$5M | | 417,346 | 273,992 | | 138,252 | U |
| | Other Procurement Programs | | | | | | |
| 71 | Intelligence Systems | | 105,922 | 100,641 | | 16,500 | U |
| 72 | Distributed Common Ground/Surface Systems | | 18,597 | 12,522 | | | U |
| 73 | Other Items <\$5M | | 131,905 | 103,910 | | 28 | U |
| 74 | Combatant Craft Systems | | 19,069 | 48,462 | | | U |
| 75 | Special Programs | | 13,789 | 63,467 | | | U |
| 76 | Tactical Vehicles | | 142,239 | 111,132 | | 2,990 | U |
| 77 | Warrior Systems <\$5M | | 470,285 | 298,480 | | 37,512 | U |
| 78 | Combat Mission Requirements | | 29,408 | 19,702 | | 10,000 | U |
| 79 | Global Video Surveillance Activities | | 6,281 | 4,787 | | | U |
| 80 | Operational Enhancements Intelligence | | 29,183 | 8,175 | | 7,594 | U |
| 81 | Operational Enhancements | | 468,739 | 282,532 | | 45,194 | U |
| | | | ----- | ----- | ----- | ----- | |
| | Total Special Operations Command | | 3,108,087 | 2,199,919 | | 369,222 | |
| | | | ----- | ----- | ----- | ----- | |
| | Total Procurement, Defense-Wide | | 3,108,087 | 2,199,919 | | 369,222 | |

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|----------------------------------|---|---------------|--|------|-----------------------------|------|---|------|---|------|-------------|
| Ammunition Programs | | | | | | | | | | | |
| 70 | Ordnance Items <\$5M | | 412,244 | | 186,197 | | | | 105,355 | | U |
| Other Procurement Programs | | | | | | | | | | | |
| 71 | Intelligence Systems | | 117,141 | | 94,982 | | | | 16,234 | | U |
| 72 | Distributed Common Ground/Surface Systems | | 12,522 | | 11,645 | | | | | | U |
| 73 | Other Items <\$5M | | 103,938 | | 96,333 | | | | 984 | | U |
| 74 | Combatant Craft Systems | | 48,462 | | 17,278 | | | | | | U |
| 75 | Special Programs | | 63,467 | | 78,865 | | | | | | U |
| 76 | Tactical Vehicles | | 114,122 | | 30,158 | | | | 2,990 | | U |
| 77 | Warrior Systems <\$5M | | 335,992 | | 260,733 | | | | 32,573 | | U |
| 78 | Combat Mission Requirements | | 29,702 | | 19,848 | | | | 10,000 | | U |
| 79 | Global Video Surveillance Activities | | 4,787 | | 2,401 | | | | | | U |
| 80 | Operational Enhancements Intelligence | | 15,769 | | 13,861 | | | | 6,724 | | U |
| 81 | Operational Enhancements | | 327,726 | | 247,038 | | | | 53,264 | | U |
| Total Special Operations Command | | | 2,569,141 | | 2,067,619 | | | | 246,331 | | |
| Total Procurement, Defense-Wide | | | 2,569,141 | | 2,067,619 | | | | 246,331 | | |

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|------------|---|---------------|-------------------------------------|-------|--|------|-------------|
| ---- | ----- | ----- | ----- | ---- | ----- | ---- | - |
| | Ammunition Programs | | | | | | |
| 70 | Ordnance Items <\$5M | | 105,355 | | 291,552 | | U |
| | Other Procurement Programs | | | | | | |
| 71 | Intelligence Systems | | 16,234 | | 111,216 | | U |
| 72 | Distributed Common Ground/Surface Systems | | | | 11,645 | | U |
| 73 | Other Items <\$5M | | | 984 | 97,317 | | U |
| 74 | Combatant Craft Systems | | | | 17,278 | | U |
| 75 | Special Programs | | | | 78,865 | | U |
| 76 | Tactical Vehicles | | | 2,990 | 33,148 | | U |
| 77 | Warrior Systems <\$5M | | 32,573 | | 293,306 | | U |
| 78 | Combat Mission Requirements | | 10,000 | | 29,848 | | U |
| 79 | Global Video Surveillance Activities | | | | 2,401 | | U |
| 80 | Operational Enhancements Intelligence | | | 6,724 | 20,585 | | U |
| 81 | Operational Enhancements | | 53,264 | | 300,302 | | U |
| | Total Special Operations Command | | 246,331 | | 2,313,950 | | |
| | Total Procurement, Defense-Wide | | 246,331 | | 2,313,950 | | |

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ACRONYMS

| Acronym | Full Naming Convention |
|----------------|---|
| A2/AD | Anti-Access/Area Denial |
| AA | Air-to-Air |
| AbMN | Airborne Mission Networking |
| ACT | AFT Cabin Trainer |
| AMLCD | Active Matrix Liquid Crystal Display |
| ADS-B | Automatic Dependent Surveillance-Broadcast |
| A&FC | Airworthiness and Flight Characteristics |
| AI | Artificial Intelligence |
| AISR | Airborne Intelligence, Surveillance, Reconnaissance |
| ALFPK | Austere Location Force Protection Kits |
| AM | Amplitude Modulation |
| AMLCD | Active Matrix Liquid Crystal Display |
| AMN | Airborne Mission Network |
| AMS | Aviation Management System |
| APAS | Active Parallel Actuator System |
| ASE | Aircraft Survivability Equipment |
| ASIF | All Source Information Fusion |
| ATD | Advanced Technology Demonstration |
| ATPIALS | Advanced Target Pointer Illuminator Aiming Laser System |
| ATW | Advanced Threat Warning |
| AvFID | Aviation Foreign Internal Defense |
| AVS | Air Variant System |
| AWR | Air Worthiness Release |
| BAA | Broad Area Announcement |
| BFT | Blue Force Tracking |
| BLOS | Beyond Line of Site |
| BOA | Basic Ordering Agreement |
| CASEVAC | Casualty Evacuation |
| C2 | Command and Control |
| C3 | Command, Control, and Communications |
| C4 | Command, Control, Communications, and Computer |

ACRONYMS

| | |
|---------|--|
| C4I | Command, Control, Communications, Computers, and Intelligence |
| C4IAS | Command, Control, Communications, and Computer Intelligence Automation Systems |
| CA | Civil Affairs |
| CAAS | Common Avionics Architecture Systems |
| CAR | Combat Assault Rifle |
| CASEVAC | Casualty Evacuation |
| CBA | Cost Benefit Analysis |
| CCFLIR | Combatant Craft Forward Looking Infrared Radar |
| CCA | Combatant Craft - Assault |
| CCH | Combatant Craft - Heavy |
| CCM | Combatant Craft - Medium |
| CCME | Combatant Craft Mission Equipment |
| CDR | Critical Design Review |
| CDU | Control Display Units |
| CERP | Capital Equipment Replacement Program |
| CFE | Contractor Furnished Equipment |
| CHMD | Color Helmet Mounted Display |
| CIO | Chief Information Officer |
| CIM | Civil Information Management |
| CIMDPS | Civil Information Management Data Processing System |
| CMNS | Combat Mission Needs Statement |
| CMS | Combat Mission Simulator |
| CNVD | Clip-On Night Vision Device |
| COD | Correction of Deficiencies |
| COP | Common Operational Picture |
| COSI | Clip-On Short Wave Infrared Imager |
| COTI | Clip-On Thermal Imager |
| COTM | Communications-on-the-Move |
| COTS | Commercial-Off-The-Shelf |
| CP | Counter-Proliferation |
| CPD | Capabilities Production Document |
| CQC | Close Quarter Combat |

ACRONYMS

| | |
|----------|---|
| CT | Counter-Terrorism |
| C-UAS | Counter - Unmanned Aerial Systems |
| DAMS | Distributed Audio Media System |
| DCGS-SOF | Distributed Common Ground/Surface System--Special Operations Forces |
| DCM | Defensive Countermeasures |
| DCS | Dry Combat Submersible |
| DCU | Data Concentrator Unit |
| DDS | Dry Deck Shelter |
| DI2E | Defense Intelligence Information Environment |
| DOD | Department of Defense |
| DRWG | Distributed Common Ground/Surface System Working Group |
| DT | Developmental Testing |
| DVE | Degraded Visual Environment |
| DVEPS | Degraded Visual Environment Pilotage System |
| DWS | Defensive Weapon System |
| EAC | Exploitation Analysis Centers |
| ECM | Electronic Countermeasures |
| ECOS | Enhanced Combat Optical Sights |
| ECP | Engineering Change Proposal |
| EDM | Engineering Development Model |
| EGPWS | Enhanced Ground Proximity Warning |
| ELINT | Electronic Intelligence |
| EMD | Engineering and Manufacturing Development |
| ENT/ASIF | Enterprise All Source Information Fusion |
| EO/IR | Electro-Optical Infrared |
| EOSS | Electro-Optical Sensor System |
| EOTACS | Expeditionary Organic Tactical AISR Capability Set |
| ER | Extended Range |
| ESA | Enhanced Situational Awareness |
| ETI | Evolutionary Technology Insertion |
| EUD | End User Devices |
| EW | Electronic Warfare |

ACRONYMS

| | |
|--------|--|
| FABS | Fly-Away Broadcast System |
| FAR | Federal Acquisition Regulation |
| FADE | Fusion Analysis and Development Effort |
| FCD | Field Computing Devices |
| FFRDC | Federally Funded Research Development Center |
| FDWS | Forward Defensive Weapon System |
| FM | Frequency Modulation |
| FMV | Full Motion Video |
| FOC | Full Operational Capability |
| FoS | Family of Systems |
| FRP | Full Rate Production |
| FSOV | Family of Special Operations Vehicles |
| FVL | Future Vertical Lift |
| FY | Fiscal Year |
| FYDP | Fiscal Year Defense Plan |
| GATM | Global Air Traffic Management |
| GCC | Geographical Combatant Commander |
| GCS | Ground Control Station |
| GEOINT | Geospatial Intelligence |
| GFE | Government Furnished Equipment |
| GIG | Global Information Grid |
| GMV | Ground Mobility Vehicle |
| GOTS | Government-Off-The-Shelf |
| GPPU | General Purpose Processing Units |
| GPS | Global Positioning System |
| GSK | Ground Signals Intelligence Kit |
| GTR | Gun Training Room |
| HEL | High Energy Laser |
| HF | High Frequency |
| HFIS | Hostile Fire Indicator System |
| HFTTL | Hostile Forces Tagging, Tracking, and Locating |
| HHI | Hand Held Imager |

ACRONYMS

| | |
|---------|---|
| HLM | Handheld Laser Marker |
| IC | Intelligence Community |
| IDIQ | Indefinite Delivery/Indefinite Quantity |
| ILS | Integrated Logistics Support |
| IM | Insensitive Munitions |
| INOD | Improved Night/Day Observation/Fire Control Device |
| IOC | Initial Operational Capability |
| IPN | Installation Processing Node |
| IR | Infrared |
| IRAD | Industrial Research and Development |
| IRCM | Infrared Countermeasures |
| IRSS | Infrared Suppression System |
| ISP | Integrated Survey Plan |
| ISR | Intelligence, Surveillance and Reconnaissance |
| ISR&T | Intelligence, Surveillance, Reconnaissance, and Targeting |
| IT | Information Technology |
| ITMS | Integrated Tactical Mission Systems |
| JIE | Joint Information Environment |
| JOS | Joint Operational Stocks |
| JTAC | Joint Terminal Attack Controller |
| JTWS | Joint Threat Warning System |
| LAM | Laser Aiming Marker |
| LCM | Low Cost Modification |
| LCS | Load Carriage System |
| LFT&E | Live Fire Test and Evaluation |
| LiDAR | Light Detection and Ranging |
| LMAMS | Lethal Miniature Aerial Munition Systems |
| LOS | Line of Sight |
| LPI/LPD | Low Probability of Intercept/Low Probably of Detection |
| LRBS | Long Range Broadcast System |
| LRE | Long Range Endurance |
| LRIP | Low Rate Initial Production |

ACRONYMS

| | |
|--------|---|
| LRU | Line Replaceable Unit |
| LSDB | Laser--Small Diameter Bomb |
| LTATV | Lightweight Tactical All Terrain Vehicle |
| LWIR | Long-Wave Infrared |
| MALET | Medium Altitude Long Endurance Tactical |
| MAAWS | Multi-Purpose Anti-Armor/Anti-Personnel Weapons System |
| MANET | Mobile Ad-hoc Networking |
| MC/COP | Mission Command/Common Operational Picture |
| MCE | Military Construction Collateral Equipment |
| MEDVAC | Medical Evacuation |
| MELB | Mission Enhanced Little Bird |
| MERIT | Military Exploitation of Reconnaissance and Intelligence Technology |
| MFD | Multi-Function Display |
| MFP | Major Force Program |
| MG | Machine Gun |
| MGS | Modular Glove System |
| MICH | Modular Integrated Communications Helmet |
| MIP | Military Intelligence Program |
| MIPR | Military Interdepartmental Purchase Request |
| MISO | Military Information Support Operations |
| MLE | Military Liaison Element |
| MMP | Multi-Mission Payload |
| MPE | Maritime Precision Engagement |
| MPU | Mission Processor Unit |
| MS | Milestone |
| MSSEP | Mobile SOF Strategic Entry Points |
| MTA | Middle Tier Acquisition |
| MTD | Mission Training Devices |
| MTPS | Mission Training and Preparation Systems |
| MTS-B | Multi-Spectral Targeting System--B |
| MTTE | Maritime Technology Transition and Exploitation |
| MWC | Mid-Water Column |

ACRONYMS

| | |
|-----------|--|
| MWIR | Mid-Wave Infrared |
| MWS | Missile Warning System |
| MYP | Multiyear Procurement |
| NDI | Non-Developmental Item |
| NDS | National Defense Strategy |
| NET | New Equipment Training |
| NGA | National Geospatial-Intelligence |
| NGFLIR | Next Generation Forward Looking Infrared Radar |
| NG CCFLIR | Next Generation Combatant Craft Forward Looking Infrared Radar |
| NGLS | Next Generation Loud Speakers |
| NLP | Natural Language Processing |
| NM | Nautical Mile |
| NRE | Non-Recurring Engineering |
| NSAV | Non-Standard Aviation |
| NSCV | Non-Standard Commercial Vehicle |
| NSSS | National Systems Support to SOF |
| NTM | National Technical Means |
| NVD | Night Vision Devices |
| OA | Operational Assessment |
| OCO | Overseas Contingency Operations |
| OEM | Original Equipment Manufacturer |
| OFP | Operational Flight Program |
| OT | Operational Test |
| OT&E | Operational Test and Evaluation |
| P3I | Pre-Planned Product Improvement |
| PCAS | Persistent Close Air Support |
| PCU | Protective Combat Uniform |
| PDR | Preliminary Design Review |
| PE | Program Element |
| PED | Processing, Exploitation, and Dissemination |
| PGL | Precision Geo Location |
| PGM | Precision Guided Munitions |

ACRONYMS

| | |
|--------|---|
| PISA | Predator Integrated Signals Intelligence Architecture |
| PME | Prime Mission Equipment |
| POR | Program of Record |
| PSM | Personal Signature Management |
| PSP | Precision Strike Package |
| PTT | Part Task Trainer |
| QL-CBA | Quick-Look Capabilities-Based Assessment |
| RAMS | Removable Airborne Military Information Support Operations System |
| RC-IED | Counter Radio Controlled-Improvised Explosive Device |
| R&D | Research and Development |
| RDT&E | Research, Development, Test, and Evaluation |
| RECCE | Tactical Reconnaissance Kit |
| RF | Radio Frequency |
| RFCM | Radio Frequency Countermeasures |
| RIS | Radio Integration System |
| ROP | Remote Observation Post |
| RSTA | Reconnaissance, Surveillance, and Targeting Acquisition |
| RWR | Radar Warning Receiver |
| SA | Surface-to-Air |
| SAFC | Special Applications for Contingencies |
| SAPNET | Special Access Program Network |
| SATCOM | Satellite Communications |
| SBIR | Small Business Innovative Research |
| SBUD | Simulator Block Updates |
| SCE | Special Communications Enterprise |
| SCO | SOF Cryptologic Operator |
| SDB | Small Diameter Bomb |
| SDN | SOF Deployable Node |
| SDN-EP | SOF Deployable Node--Extension Packages |
| SDN-H | SOF Deployable Node-Heavy |
| SDN-L | SOF Deployable Node-Light |
| SDN-M | SOF Deployable Node-Medium |

ACRONYMS

| | |
|----------|---|
| SDV | Sea, Air, Land (SEAL) Delivery Vehicle |
| SEAL | Sea, Air, Land |
| SEALION | Sea, Air, Land, Insertion Observation Neutralization |
| SFAC | Security Forces Assistance Craft |
| SGM | Small Glide Munition |
| SIE | Special Operations Forces Information Environment |
| SIGINT | Signals Intelligence |
| SIL | System Integration Lab |
| SIM | Sensor Integration Module |
| SIRFC | Suite of Integrated Radio Frequency Countermeasures |
| SKR | Silent Knight Radar |
| SMS | Special Mission System |
| SOCRATES | Special Operations Command, Research, Analysis and Threat Evaluation System |
| SOF | Special Operations Forces |
| SOF-P | Special Operations Forces--Peculiar |
| SOFNET | Special Operations Forces Network |
| SOFPREP | Special Operations Forces Planning, Rehearsal, and Execution Preparation |
| SOFA | Special Operations Forces Support Activity |
| SOMPE | Special Operations Mission Planning and Execution |
| SOPGM | Standoff Precision Guided Munitions |
| SoS | System of Systems |
| SPCOM | Special Communications Field Segment - Enterprise |
| SPEAR | SOF Personal Equipment Advanced Requirements |
| SPPN | Special Purpose Processing Node |
| SMU | Special Mission Units |
| SR | Special Reconnaissance |
| SRTV | Secure Real-Time Video |
| SSE | Sensitive Site Exploitation |
| STAMP | SOCOM Tactical Airborne Multi-Sensor Platform |
| STC | SOF Tactical Communications |
| STLD | Small Target Location Devices |
| STTR | Small Business Technology Transfer |

ACRONYMS

| | |
|----------|--|
| STUAS | Small Tactical Unmanned Aerial Systems |
| SURG | Suppressed Upper Receiver Group |
| SWAP | Size, Weight and Power |
| SWCS | Shallow Water Combat Submersible |
| SWIR | Shortwave Infrared |
| TACLAN | Tactical Local Area Network |
| TAK | Tactical Assault Kit |
| TALOS | Tactical Assault Lightweight Operator Suit |
| TAS | Threat Awareness System |
| TCCC | Tactical Combat Casualty Care |
| TDL | Tactical Data Link |
| TENCAP | Tactical Exploitation of National Capabilities |
| TF/TA | Terrain Following/Terrain Avoidance |
| TOCNET | Tactical Operations Center |
| TMN | Tactical (Airborne) Mission Network |
| TMS | Tactical Mission Systems |
| TMMR | Technology Maturation and Risk Reduction |
| TPAN | Tactical Personal Area Networks |
| TRL | Technical Readiness Level |
| TSOC | Theater Special Operations Command |
| TTV | Team Transportable Variant |
| TTL | Tagging, Tracking and Locating |
| TV | Television |
| TVS/RSTA | Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition |
| UARC | University Affiliated Research Agreement |
| UAS | Unmanned Aircraft System |
| UAV | Unmanned Aerial Vehicle |
| UGS/UMS | Unattended Ground Sensors/Unattended Maritime Sensors |
| UHF | Ultra High Frequency |
| UI | User Interface |
| URG | Upper Receiver Groups |
| VAK | Virtual Accompany Kits |

ACRONYMS

| | |
|--------|--|
| VAS | Visual Augmentation Systems |
| VAS-BM | Visual Augmentation-Binocular-Monocular |
| VASWA | Visual Augmentation System-Weapons Accessories |
| VBIED | Vehicle-Borne Improvised Explosive Device |
| VBL | Visible Bright Light |
| VBSS | Visit, Board, Search, and Seizure |
| VHF | Very High Frequency |
| VTC | Video Teleconferencing |
| VTOL | Vertical Take Off and Landing |
| WAN | Wide Area Network |
| WPAN | Wireless Personal Area Networks |
| WPNAC | Weapons Accessories |

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|---|----------------------------|
| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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|---|--|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | P-1 Line Item Number / Title: 0201ARMOWT / Armed Overwatch/Targeting |
|---|--|

| | | |
|--|---|--|
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: 1160403BB | Other Related Program Elements: 1160403BB |
|--|---|--|

Line Item MDAP/MAIS Code: N/A

| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
|--|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | 5 | - | 5 | 10 | 10 | 10 | 10 | Continuing | Continuing |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | - | - | 101.000 | - | 101.000 | 170.000 | 204.000 | 208.000 | 210.000 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | - | - | - | 101.000 | - | 101.000 | 170.000 | 204.000 | 208.000 | 210.000 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | - | - | 101.000 | - | 101.000 | 170.000 | 204.000 | 208.000 | 210.000 | Continuing | Continuing |
| (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:

This is a New Start.

Programmed Transferred from Air Force Light Attack Aircraft (P-1 Line Item Number OAX0001) to the United States Special Operations Command beginning with FY 2021 budget request.

Armed Overwatch provides Special Operations Forces (SOF) deployable and sustainable aircraft systems fulfilling Close Air Support, Precision Strike, and SOF Intelligence, Surveillance & Reconnaissance (ISR) requirements in austere and permissive environments for the Countering-Violent Extremist Organizations mission. Armed Overwatch missions include: Armed ISR, Strike Coordination & Reconnaissance, and Airborne Forward Air Control. These capabilities will be pursued via rapid fielding techniques when appropriate.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | P-1 Line Item Number / Title: 0201ARMOWT / Armed Overwatch/Targeting | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: 1160403BB | | | Other Related Program Elements: 1160403BB | | | |
| Line Item MDAP/MAIS Code: N/A | | | | | | | | | | |
| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | Armed Overwatch | P-5a, P-21 | | | - / - | - / - | - / - | 5 / 101.000 | - / - | 5 / 101.000 |
| P-40 | Total Gross/Weapon System Cost | | | | - / - | - / - | - / - | 5 / 101.000 | - / - | 5 / 101.000 |
| <small>*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.</small> | | | | | | | | | | |
| <small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small> | | | | | | | | | | |
| Justification: Funds are required to support the procurement and fielding of five Armed Overwatch aircraft and initial spares, and required support equipment. | | | | | | | | | | |

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| Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | P-1 Line Item Number / Title: 0201ARMOWT / Armed Overwatch/Targeting | | | | | Item Number / Title [DODIC]: Armed Overwatch | |

| ID Code (A=Service Ready, B=Not Service Ready) : | | | | MDAP/MAIS Code: | | |
|--|-------------|---------|---------|-----------------|-------------|---------------|
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total |
| Procurement Quantity (Units in Each) | - | - | - | 5 | - | 5 |
| Gross/Weapon System Cost (\$ in Millions) | - | - | - | 101.000 | - | 101.000 |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - |
| Net Procurement (P-1) (\$ in Millions) | - | - | - | 101.000 | - | 101.000 |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | - | - | - | 101.000 | - | 101.000 |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) | | | | | | |
| Initial Spares (\$ in Millions) | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - |

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

| Cost Elements | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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 - Aircraft Cost | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | |
| Aircraft ^(t) | - | - | - | - | - | - | - | - | - | 20.200 | 5 | 101.000 ⁽¹⁾ | - | - | - | 20.200 | 5 | 101.000 ⁽²⁾ |
| Subtotal: Recurring Cost | - | - | - | - | - | - | - | - | - | - | - | 101.000 | - | - | - | - | - | 101.000 |
| Subtotal: Flyaway - Aircraft Cost | - | - | - | - | - | - | - | - | - | - | - | 101.000 | - | - | - | - | - | 101.000 |
| Gross/Weapon System Cost | - | - | - | - | - | - | - | - | - | - | 5 | 101.000 | - | - | - | - | 5 | 101.000 |

^(t) indicates the presence of a P-5a

Footnotes:

⁽¹⁾ Quantity/Unit Cost are initial estimates at time of publishing.

⁽²⁾ Quantity/Unit Cost are initial estimates at time of publishing.

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|--|-------------|------|-------------------------|---|-----------------|---------------|------------------------------|----------------------|----------------------------|---|-------------------------------|-------------------|
| Exhibit P-5a, Procurement History and Planning: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0201ARMOWT / Armed Overwatch/Targeting | | | | | | Item Number / Title [DODIC]: Armed Overwatch | | |
| 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 |
| Aircraft ^(†) | | 2021 | TBD / TBD | TBD | TBD | Aug 2021 | Aug 2022 | 5 | 20.200 | N | | |

^(†) indicates the presence of a P-21

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| Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | | | | | | Date: February 2020 | | | | | | | | | | | | | |
|---|-------|------|---------|----------|----------------------------|---------------------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|---|---------|
| Appropriation / Budget Activity / Budget Sub Activity: | | | | | | | P-1 Line Item Number / Title: | | | | | | | | | | | | | Item Number / Title [DODIC]: | | | | | | | | | | | | | |
| 0300D / 02 / 1 | | | | | | | 0201ARMOWT / Armed Overwatch/Targeting | | | | | | | | | | | | | Armed Overwatch | | | | | | | | | | | | | |
| Cost Elements <i>(Units in Each)</i> | | | | | | | Fiscal Year 2021 | | | | | | | | | | | | | Fiscal Year 2022 | | | | | | | | | | | | | BALANCE |
| OCO | MFR # | FY | SERVICE | PROC QTY | ACCEPT PRIOR TO 1 OCT 2020 | BAL DUE AS OF 1 OCT | Calendar Year 2021 | | | | | | | | | | | | | Calendar Year 2022 | | | | | | | | | | | | | |
| | | | | | | | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | | | |
| Aircraft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2021 | SOCOM | 5 | 0 | 5 | | | | | | | | | | A - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 4 | |
| | | | | | | | 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 2021 United States Special Operations Command | | | | | | | | | | | | | | | | | | | | Date: February 2020 | | | | | | | | | | | |
|---|-------|------|---------|----------|----------------------------|---------------------|--------------------|-----|-----|---|-----|-----|-----|-----|-----|-----|--------------------|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | | | | P-1 Line Item Number / Title: 0201ARMOWT / Armed Overwatch/Targeting | | | | | | | | | | Item Number / Title [DODIC]: Armed Overwatch | | | | | | | | | | | |
| Cost Elements (Units in Each) | | | | | | | Fiscal Year 2023 | | | | | | | | | | Fiscal Year 2024 | | | | | | | | | | | | | BALANCE | |
| OCO | MFR # | FY | SERVICE | PROC QTY | ACCEPT PRIOR TO 1 OCT 2022 | BAL DUE AS OF 1 OCT | Calendar Year 2023 | | | | | | | | | | Calendar Year 2024 | | | | | | | | | | | | | | |
| | | | | | | | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | | SEP |
| Aircraft | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| | 1 | 2021 | SOCOM | 5 | 1 | 4 | 1 | - | 1 | - | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 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 2021 United States Special Operations Command | | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | P-1 Line Item Number / Title: 0201ARMOWT / Armed Overwatch/Targeting | | | | Item Number / Title [DODIC]: Armed Overwatch | | | |
| MFR Ref # | Manufacturer Name - Location | Production Rates (Each / Year) | | | Procurement Leadtime (Months) | | | | | | | |
| | | MSR For 2021 | 1-8-5 For 2021 | MAX For 2021 | 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 | TBD - TBD | 1 | 1 | 5 | - | - | 12 | 12 | - | - | - | - |

"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).

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | | P-1 Line Item Number / Title: 0201MANISR / MANNED ISR | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: 1160433BB | | | | Other Related Program Elements: N/A | | | | |
| Line Item MDAP/MAIS Code: 0000 | | | | | | | | | | | | |
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 23.200 | 5.000 | 5.000 | - | 5.000 | 5.000 | 5.000 | 5.000 | 5.000 | 5.100 | Continuing | Continuing |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | 23.200 | 5.000 | 5.000 | - | 5.000 | 5.000 | 5.000 | 5.000 | 5.000 | 5.100 | Continuing | Continuing |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 23.200 | 5.000 | 5.000 | - | 5.000 | 5.000 | 5.000 | 5.000 | 5.000 | 5.100 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Description: This P-1 Line Item is part of the Military Intelligence Program (MIP). It includes programs which provide for Intelligence, Surveillance, and Reconnaissance (ISR) in support of irregular warfare operations. This line funds Special Operations Forces (SOF) peculiar modifications and rapid fielding to manned ISR aircraft. Primary mission emphasis is on signals intelligence, imagery, target acquisition, threat warning, threat identification, and surveillance missions. Includes avionics, sensor maintenance, peculiar support equipment, communication systems, common datalink systems, training, trainers, Mission Training Devices (MTD) and the associated ground processing, exploitation, and dissemination system. This program received FY 2019 Overseas Contingency Operations (OCO) funding (\$5.000 million) and FY 2020 Enduring OCO funding (\$5.000 million). FY 2021 funding includes OCO for Enduring Requirements (\$5.000 million). These capabilities will be pursued via rapid fielding techniques when appropriate. | | | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | P-1 Line Item Number / Title: 0201MANISR / MANNED ISR | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: 1160433BB | | | Other Related Program Elements: N/A | | | |
| Line Item MDAP/MAIS Code: 0000 | | | | | | | | | | |
| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | Manned ISR | | | | - / 23.200 | - / 5.000 | - / 5.000 | - / - | - / 5.000 | - / 5.000 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 23.200 | - / 5.000 | - / 5.000 | - / - | - / 5.000 | - / 5.000 |
| <small>*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.</small> | | | | | | | | | | |
| <small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small> | | | | | | | | | | |
| Justification: FY 2021 OCO PROGRAM JUSTIFICATION: Procures low cost modifications for the Special Operations Command Tactical Airborne Multi-Sensor Platforms (STAMP). | | | | | | | | | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|---------------------------------------|------------|-------------------|------------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | P-1 Line Item Number / Title: 0201MANISR / MANNED ISR | | | | | | | | | Aggregated Items Title: Manned ISR | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| Manned ISR Hardware | | | | | | | | | | | | | | | | | | | | |
| 1 / Low Cost Modifications Overseas Contingency Operations (OCO) | | | - | - | 23.200 | - | - | 5.000 | - | - | 5.000 | - | - | - | - | - | 5.000 | - | - | 5.000 |
| Subtotal: Manned ISR Hardware | | | - | - | 23.200 | - | - | 5.000 | - | - | 5.000 | - | - | - | - | - | 5.000 | - | - | 5.000 |
| Total | | | - | - | 23.200 | - | - | 5.000 | - | - | 5.000 | - | - | - | - | - | 5.000 | - | - | 5.000 |

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

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | | P-1 Line Item Number / Title: 0201MC12 / MC-12 | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | 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 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 116.393 | 23.900 | 5.000 | - | 5.000 | 5.000 | 5.000 | 5.000 | 5.000 | 5.100 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 116.393 | 23.900 | 5.000 | - | 5.000 | 5.000 | 5.000 | 5.000 | 5.000 | 5.100 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 116.393 | 23.900 | 5.000 | - | 5.000 | 5.000 | 5.000 | 5.000 | 5.000 | 5.100 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Description: This P-1 Line Item is part of the Military Intelligence Program (MIP). The mission of the MC-12W/Javaman is to provide a manned fixed wing capability for tactical airborne Intelligence, Surveillance, Reconnaissance (ISR), and Targeting in support of Theater Special Operations Forces. This line funds Special Operations Forces (SOF) peculiar manned ISR aircraft modifications and associated training systems to meet evolving SOF mission requirements. There is no associated Research, Development, Test and Evaluation. These capabilities will be pursued via rapid fielding techniques when appropriate. This program received Overseas Contingency Operations (OCO) funding in FY 2019 (\$23.900 million) and FY 2020 Enduring OCO funding (\$5.000 million). FY 2021 funding includes OCO for Enduring Requirements (\$5.000 million). | | | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | |
|--|---------------------------------------|-------------|-------|---|--|--|--|--|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | P-1 Line Item Number / Title: 0201MC12 / MC-12 | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | 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 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | MC-12 Aircraft | | | | - / 116.393 | - / 23.900 | - / 5.000 | - / - | - / 5.000 | - / 5.000 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 116.393 | - / 23.900 | - / 5.000 | - / - | - / 5.000 | - / 5.000 |
| <small>*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.</small> | | | | | | | | | | |

Justification:

FY 2021 OCO PROGRAM JUSTIFICATION: Procures low cost modifications to United States Special Operations Command's Government Owned Contractor Operated Javaman aircraft.

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|---|------------|-------------------|------------------|------------|-------------------|---|------------|-------------------|---------------------|------------|-------------------|------------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | P-1 Line Item Number / Title: 0201MC12 / MC-12 | | | | | | Aggregated Items Title: MC-12 Aircraft | | | | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 1 - MC-12 Modification | | | | | | | | | | | | | | | | | | | | |
| 1.1 / MC-12 Modification Overseas Contingency Operations (OCO) | | | - | - | 38.135 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1.2 / Global Positioning System Improvements OCO | | | - | - | 30.000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1.3 / Remote Signals Intelligence (SIGINT) Operation OCO | | | - | - | 11.408 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1.4 / SIGINT System Upgrades OCO | | | - | - | 7.028 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1.5 / Dual Full Motion Video Sensor Capability - OCO | | | - | - | - | 9.450 | 2 | 18.900 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 1 - MC-12 Modification | | | - | - | 86.571 | - | - | 18.900 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2 - Low Cost Modification | | | | | | | | | | | | | | | | | | | | |
| 2.1 / Low Cost Modifications - OCO | | | - | - | 29.822 | - | - | 5.000 | - | - | 5.000 | - | - | - | - | - | 5.000 | - | - | 5.000 |
| Subtotal: 2 - Low Cost Modification | | | - | - | 29.822 | - | - | 5.000 | - | - | 5.000 | - | - | - | - | - | 5.000 | - | - | 5.000 |
| Total | | | - | - | 116.393 | - | - | 23.900 | - | - | 5.000 | - | - | - | - | - | 5.000 | - | - | 5.000 |

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

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | | P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: N/A | | | | Other Related Program Elements: 1160482BB | | | | |
| Line Item MDAP/MAIS Code: 0000 | | | | | | | | | | | | |
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 926.350 | 27.600 | 25.264 | - | - | - | - | - | - | - | 0.000 | 979.214 |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 926.350 | 27.600 | 25.264 | - | - | - | - | - | - | - | 0.000 | 979.214 |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 926.350 | 27.600 | 25.264 | - | - | - | - | - | - | - | 0.000 | 979.214 |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | 32.910 | - | - | - | - | - | - | - | - | - | - | 32.910 |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | 17.410 | 11.408 | 8.764 | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Description: Army Special Operations Aviation (ARSOA) provides organic aviation support to Special Operations Forces (SOF) for world-wide contingency operations and low-intensity conflicts, multi-domain operations (MDO) against near peer threat environments. ARSOA utilizes 72 highly specialized MH-60 aircraft capable of world wide rapid deployment operations and penetration of hostile areas for these missions. The aircraft are capable of operating at extended ranges under adverse weather conditions and harsh environments deep in enemy territory. These aircraft are used to infiltrate, provide logistics for, reinforce, provide close air support, and extract SOF. The MH-60 program provides ARSOA with a single model aircraft prepared to support the SOF ground force commander into the foreseeable future. This program received Overseas Contingency Operations (OCO) funding in FY 2019 (\$27.600 million) and enduring OCO for FY 2020 (\$25.264 million) to replace aircraft battle losses that occurred in FY 2017 and FY 2018. Configuration of baseline aircraft received from Army will drive the increase in costs from year-to-year in order to complete the SOF-unique conversions. These capabilities will be pursued via rapid fielding techniques when appropriate. | | | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK |
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| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160482BB |
|--|---|--|

Line Item MDAP/MAIS Code: 0000

| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | 1 / MH-60 BLACKHAWK | P-5a, P-21 | | | 1 / 18.600 | 1 / 27.600 | 1 / 25.264 | - / - | - / - | - / - |
| P-40a | Modifications Prior Years | | | | - / 907.750 | - / - | - / - | - / - | - / - | - / - |
| P-40 | Total Gross/Weapon System Cost | | | | - / 926.350 | - / 27.600 | - / 25.264 | - / - | - / - | - / - |

| Exhibits Schedule | | | | | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | 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 | 1 / MH-60 BLACKHAWK | P-5a, P-21 | | | - / - | - / - | - / - | - / - | - / - | - / - |
| P-40a | Modifications Prior Years | | | | - / - | - / - | - / - | - / - | - / 0.000 | - / 907.750 |
| P-40 | Total Gross/Weapon System Cost | | | | - / - | - / - | - / - | - / - | - / 0.000 | - / 979.214 |

*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:
FY 2021 PROGRAM JUSTIFICATION: None.

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| Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command | | | | | | | | | | | | | Date: February 2020 | | | | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK | | | | | | | Item Number / Title [DODIC]: 1 / MH-60 BLACKHAWK | | | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | | | MDAP/MAIS Code: | | | | | | | | | | | |
| Resource Summary | | | | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 Total | | |
| Procurement Quantity <i>(Units in Each)</i> | | | | 1 | | | 1 | | | 1 | | | - | | | - | | | - | | |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | | | | 18.600 | | | 27.600 | | | 25.264 | | | - | | | - | | | - | | |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | | | | - | | | - | | | - | | | - | | | - | | | - | | |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | | | | 18.600 | | | 27.600 | | | 25.264 | | | - | | | - | | | - | | |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | | | | - | | | - | | | - | | | - | | | - | | | - | | |
| Total Obligation Authority <i>(\$ in Millions)</i> | | | | 18.600 | | | 27.600 | | | 25.264 | | | - | | | - | | | - | | |
| (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> | | | | - | | | - | | | - | | | - | | | - | | | - | | |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding. | | | | | | | | | | | | | | | | | | | | | |
| Cost Elements | | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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 - Government Furnished Equipment (OCO) Cost | | | | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | | | | |
| A Kits (OCO) | | - | - | - | - | - | 12.356 | - | - | 12.666 | - | - | - | - | - | - | - | - | - | | |
| B Kits (OCO) ^(†) | | 17.410 | 1 | 17.410 | 11.408 | 1 | 11.408 | 8.764 | 1 | 8.764 | - | - | - | - | - | - | - | - | - | | |
| Subtotal: Recurring Cost | | - | - | 17.410 | - | - | 23.764 | - | - | 21.430 | - | - | - | - | - | - | - | - | - | | |
| Subtotal: Hardware - Government Furnished Equipment (OCO) Cost | | - | - | 17.410 | - | - | 23.764 | - | - | 21.430 | - | - | - | - | - | - | - | - | - | | |
| Support - Support (OCO) Cost | | | | | | | | | | | | | | | | | | | | | |
| Labor and Program Support | | - | - | 1.190 | - | - | 3.836 | - | - | 3.834 | - | - | - | - | - | - | - | - | - | | |
| Subtotal: Support - Support (OCO) Cost | | - | - | 1.190 | - | - | 3.836 | - | - | 3.834 | - | - | - | - | - | - | - | - | - | | |
| Gross/Weapon System Cost | | - | 1 | 18.600 | - | 1 | 27.600 | - | 1 | 25.264 | - | - | - | - | - | - | - | - | - | | |
| †) indicates the presence of a P-5a | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit P-5a, Procurement History and Planning: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK | | | | Item Number / Title [DODIC]: 1 / MH-60 BLACKHAWK | | | | |

| Cost Elements | O C O | FY | Contractor and Location | Method/Type or Funding Vehicle | Location of PCO | Award Date | Date of First Delivery | Qty (Each) | Unit Cost (\$ M) | Specs Avail Now? | Date Revision Available | RFP Issue Date |
|-----------------------------|-------------|------|---------------------------------|--------------------------------------|-----------------|---------------|------------------------------|---------------|---------------------|------------------------|-------------------------------|-------------------|
| B Kits (OCO) ^(†) | ✓ | 2017 | Lockheed Martin / Lexington, KY | SS / CPFF | Fort Eustis,VA | Sep 2017 | Jun 2019 | 1 | 17.410 | Y | | |
| B Kits (OCO) ^(†) | ✓ | 2019 | Lockheed Martin / Lexington, KY | SS / CPFF | Fort Eustis,VA | Feb 2019 | Oct 2021 | 1 | 11.408 | Y | | |
| B Kits (OCO) ^(†) | ✓ | 2020 | Lockheed Martin / Lexington, KY | SS / CPFF | Fort Eustis,VA | Feb 2020 | Oct 2022 | 1 | 8.764 | Y | | |

^(†) indicates the presence of a P-21

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| Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | | | | | | Date: February 2020 | | | | | | | | | | | | | | |
|---|-------|------|---------|----------|----------------------------|---------------------|--------------------|-----|-----|---|-----|-----|-----|-----|-----|-----|--------------------|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | | | | P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK | | | | | | | | | | Item Number / Title [DODIC]: 1 / MH-60 BLACKHAWK | | | | | | | | | | | | | | |
| Cost Elements <i>(Units in Each)</i> | | | | | | | Fiscal Year 2017 | | | | | | | | | | Fiscal Year 2018 | | | | | | | | | | | | | | BALANCE | | | |
| OCO | MFR # | FY | SERVICE | PROC QTY | ACCEPT PRIOR TO 1 OCT 2016 | BAL DUE AS OF 1 OCT | Calendar Year 2017 | | | | | | | | | | Calendar Year 2018 | | | | | | | | | | | | | | | | | |
| | | | | | | | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | | | | |
| B Kits (OCO) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ✓ | 1 | 2017 | SOCOM | 1 | 0 | 1 | | | | | | | | | | | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| ✓ | 1 | 2019 | SOCOM | 1 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| ✓ | 1 | 2020 | SOCOM | 1 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| | | | | | | | 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 2021 United States Special Operations Command | | | | | | | | | | | | | | | | | | | | Date: February 2020 | | | | | | | | | | | | | |
|---|-------|------|---------|----------|----------------------------|---------------------|--------------------|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|--|---------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | | | | P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK | | | | | | | | | | Item Number / Title [DODIC]: 1 / MH-60 BLACKHAWK | | | | | | | | | | | | | |
| Cost Elements (Units in Each) | | | | | | | Fiscal Year 2019 | | | | | | | | | | | | | Fiscal Year 2020 | | | | | | | | | | | | | BALANCE |
| OCO | MFR # | FY | SERVICE | PROC QTY | ACCEPT PRIOR TO 1 OCT 2018 | BAL DUE AS OF 1 OCT | Calendar Year 2019 | | | | | | | | | | | | | Calendar Year 2020 | | | | | | | | | | | | | |
| | | | | | | | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | | | |
| B Kits (OCO) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ✓ | 1 | 2017 | SOCOM | 1 | 0 | 1 | - | - | - | - | - | - | - | - | 1 | | | | | | | | | | | | | | | | 0 | | |
| ✓ | 1 | 2019 | SOCOM | 1 | 0 | 1 | | | | | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | | |
| ✓ | 1 | 2020 | SOCOM | 1 | 0 | 1 | | | | | | | | | | | | | | | | | A | - | - | - | - | - | - | - | 1 | | |
| | | | | | | | 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 2021 United States Special Operations Command | | | | | | | | | | | | | | | | | | | Date: February 2020 | | | | | | | | | | | | |
|---|-------|------|---------|----------|----------------------------|---------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK | | | | | | | | | | | | Item Number / Title [DODIC]: 1 / MH-60 BLACKHAWK | | | | | | | | | | | | |
| Cost Elements <i>(Units in Each)</i> | | | | | | | Fiscal Year 2021 | | | | | | | | | | | | Fiscal Year 2022 | | | | | | | | | | | | BALANCE |
| OCO | MFR # | FY | SERVICE | PROC QTY | ACCEPT PRIOR TO 1 OCT 2020 | BAL DUE AS OF 1 OCT | Calendar Year 2021 | | | | | | | | | | | | Calendar Year 2022 | | | | | | | | | | | | |
| | | | | | | | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | |
| B Kits (OCO) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ✓ | 1 | 2017 | SOCOM | 1 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| ✓ | 1 | 2019 | SOCOM | 1 | 0 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | | | | | | | | | | | | | 0 |
| ✓ | 1 | 2020 | SOCOM | 1 | 0 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | |
| | | | | | | | 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 2021 United States Special Operations Command | | | | | | | | | | | | | | | | | | | | Date: February 2020 | | | | | | | | | | | | | |
|---|-------|------|---------|----------|----------------------------|---------------------|--------------------|-----|-----|---|-----|-----|-----|-----|-----|-----|--------------------|-----|-----|---|-----|-----|-----|-----|-----|-----|---------|-----|-----|-----|-----|--|---|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | | | | P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK | | | | | | | | | | Item Number / Title [DODIC]: 1 / MH-60 BLACKHAWK | | | | | | | | | | | | | |
| Cost Elements <i>(Units in Each)</i> | | | | | | | Fiscal Year 2023 | | | | | | | | | | Fiscal Year 2024 | | | | | | | | | | BALANCE | | | | | | |
| OCO | MFR # | FY | SERVICE | PROC QTY | ACCEPT PRIOR TO 1 OCT 2022 | BAL DUE AS OF 1 OCT | Calendar Year 2023 | | | | | | | | | | Calendar Year 2024 | | | | | | | | | | | | | | | | |
| | | | | | | | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | | JUN | JUL | AUG | SEP | | |
| B Kits (OCO) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ✓ | 1 | 2017 | SOCOM | 1 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| ✓ | 1 | 2019 | SOCOM | 1 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| ✓ | 1 | 2020 | SOCOM | 1 | 0 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 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 2021 United States Special Operations Command | | | | | | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK | | | Item Number / Title [DODIC]: 1 / MH-60 BLACKHAWK |

| MFR Ref # | Manufacturer Name - Location | Production Rates (Each / Month) | | | Procurement Leadtime (Months) | | | | | | | |
|-----------------|---------------------------------|---------------------------------|----------------|--------------|-------------------------------|--------------------|----------------------|----------------------|-----------------------|--------------------|----------------------|----------------------|
| | | MSR For 2021 | 1-8-5 For 2021 | MAX For 2021 | 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 - Lexington, KY | 1 | 1 | 1 | - | 4 | 15 | 19 | - | - | - | - |

"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).

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| Exhibit P-40a, Budget Item Justification For Aggregated Modification Items: PB 2021 United States Special Operations Command | Date: February 2020 |
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|---|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | P-1 Line Item Number / Title: 0201MH60 / MH-60 BLACKHAWK | Aggregated Modification Items Title: Modifications Prior Years |
|---|--|--|

| Item Number / Title | ID CD | MDAP/ MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| Modifications Prior Years | | | | | | | | | | | | | | | | | | | | |
| Modifications Prior Years | | | - | - | 907.750 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Modifications Prior Years | | | - | - | 907.750 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | | | - | - | 907.750 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

| Item Number / Title | ID CD | MDAP/ MAIS Code | FY 2022 | | | FY 2023 | | | FY 2024 | | | FY 2025 | | | 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) |
| Modifications Prior Years | | | | | | | | | | | | | | | | | | | | |
| Modifications Prior Years | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.000 | - | - | 907.750 |
| Subtotal: Modifications Prior Years | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.000 | - | - | 907.750 |
| Total | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.000 | - | - | 907.750 |

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

Modification Information:

| Item Number / Title | Models of Systems Affected | Modification Type |
|----------------------------------|----------------------------|-------------------|
| Modifications Prior Years | | |
| Modifications Prior Years | MH-60 Blackhawk | Various |

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|---|--------------------|----------------|----------------|---|--------------------|----------------------|---|--|----------------|----------------------------|--------------------|-------------------|
| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: N/A | | | | Other Related Program Elements: 1160482BB, 1160427BB, 1160403BB | | | | |
| Line Item MDAP/MAIS Code: 0000 | | | | | | | | | | | | |
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 2,846.341 | 148.907 | 172.020 | 211.041 | - | 211.041 | 230.870 | 247.497 | 267.854 | 258.750 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 2,846.341 | 148.907 | 172.020 | 211.041 | - | 211.041 | 230.870 | 247.497 | 267.854 | 258.750 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 2,846.341 | 148.907 | 172.020 | 211.041 | - | 211.041 | 230.870 | 247.497 | 267.854 | 258.750 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | 83.429 | 12.901 | 9.448 | 9.637 | - | 9.637 | 9.870 | 9.994 | 10.228 | 10.433 | Continuing | Continuing |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Description: This P-1 Line Item provides ongoing reliability, maintainability, spares, equipment, weapons, and Aircraft Survivability Equipment (ASE) upgrades for fielded rotary wing aircraft and subsystems. These include: A/MH-6 Low Cost Modifications (LCM), A/MH-6 Block Upgrades, MH-47 Block Upgrades, MH-47 LCM, MH-60 LCM, Improved Rotary Wing Electro-Optical Sensor (IRES), formerly known as Next Generation Forward Looking Infrared (NGFLR), Secure Real Time Video (SRTV), Simulator Block Upgrades (SBUD), Commercial Spares, ASE, Special Operations Forces (SOF) Common Terrain Following/Terrain Avoidance (TF/TA), best known as Silent Knight Radar (SKR) or AN/APQ-187, Mission Processor Upgrades (MPU), MH-60M Block Upgrades, and Degraded Visual Environment (DVE) Pilotage System. SOF provide organic aviation support for worldwide contingency operations and low-intensity conflicts. The specialized aircraft for these missions must be capable of worldwide rapid deployment, undetected penetration of hostile areas, and operations in contested or anti-access/area denial (A2/AD) environments. These aircraft must also be capable of operating at extended ranges under adverse weather conditions to infiltrate, provide logistics for, reinforce, and extract SOF. These capabilities will be pursued via rapid fielding techniques when appropriate. | | | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT |
|---|---|

| | | |
|--|---|--|
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160482BB, 1160427BB, 1160403BB |
|--|---|--|

Line Item MDAP/MAIS Code: 0000

| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | Rotary Wing Upgrades and Sustainment | | | | - / 1,947.604 | - / 28.998 | - / 25.320 | - / 24.417 | - / - | - / 24.417 |
| P-3a | 7 / Improved Rotary Wing Electro-Optical Sensor (IRES) (Added Capability) | | | | - / 0.634 | - / - | - / 0.948 | - / 18.707 | - / - | - / 18.707 |
| P-3a | 8 / Degraded Visual Environment (DVE) Pilotage System (Added Capability) | | | | - / 20.192 | - / 1.000 | - / 8.590 | - / 12.731 | - / - | - / 12.731 |
| P-3a | 9 / MH-47G/MH-60M SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar (Added Capability) | | | | - / 176.981 | - / 57.707 | - / 40.843 | - / 41.657 | - / - | - / 41.657 |
| P-3a | 10 / Mission Processor Upgrades (MPU) (Added Capability) | | | | - / 132.666 | - / 15.990 | - / 24.173 | - / 31.829 | - / - | - / 31.829 |
| P-3a | 11 / Aircraft Survivability Equipment (Survivability) | | | | - / 530.905 | - / 14.013 | - / 36.538 | - / 43.127 | - / - | - / 43.127 |
| P-3a | 12 / MH-60 Block Upgrades (Added Capability) | | | | - / 25.048 | - / 8.127 | - / 8.330 | - / 9.448 | - / - | - / 9.448 |
| P-3a | 13 / A/MH-6 Block Upgrades (Added Capability) | | | | - / 12.311 | - / 23.072 | - / 27.278 | - / 29.125 | - / - | - / 29.125 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 2,846.341 | - / 148.907 | - / 172.020 | - / 211.041 | - / - | - / 211.041 |

| Exhibits Schedule | | | | | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | 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 | Rotary Wing Upgrades and Sustainment | | | | - / - | - / - | - / - | - / - | - / - | - / - |
| P-3a | 7 / Improved Rotary Wing Electro-Optical Sensor (IRES) (Added Capability) | | | | - / 20.874 | - / 21.303 | - / 21.752 | - / 22.208 | Continuing | Continuing |
| P-3a | 8 / Degraded Visual Environment (DVE) Pilotage System (Added Capability) | | | | - / 13.047 | - / 13.374 | - / 13.617 | - / 13.889 | Continuing | Continuing |
| P-3a | 9 / MH-47G/MH-60M SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar (Added Capability) | | | | - / 42.462 | - / 37.091 | - / 44.340 | - / 38.737 | Continuing | Continuing |
| P-3a | 10 / Mission Processor Upgrades (MPU) (Added Capability) | | | | - / 38.933 | - / 38.954 | - / 41.040 | - / 41.882 | Continuing | Continuing |
| P-3a | 11 / Aircraft Survivability Equipment (Survivability) | | | | - / 55.042 | - / 81.905 | - / 82.903 | - / 85.023 | Continuing | Continuing |
| P-3a | 12 / MH-60 Block Upgrades (Added Capability) | | | | - / 8.163 | - / 8.332 | - / 8.526 | - / 8.697 | Continuing | Continuing |
| P-3a | 13 / A/MH-6 Block Upgrades (Added Capability) | | | | - / 27.817 | - / 20.106 | - / 29.038 | - / 21.134 | Continuing | Continuing |
| P-40 | Total Gross/Weapon System Cost | | | | - / 230.870 | - / 247.497 | - / 267.854 | - / 258.750 | Continuing | Continuing |

*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:

1. The A/MH-6M LCM include modifications to the A/MH-6 Mission Enhanced Little Bird (MELB), application of Commercial Engine Bulletins and Federal Aviation Administration Airworthiness directives, SOF-peculiar Engineering Change Proposals (ECP), spares, and minor modifications to SOF-peculiar equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission critical capabilities.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT |
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160482BB, 1160427BB, 1160403BB |
| Line Item MDAP/MAIS Code: 0000 | | |
| <p>FY 2021 PROGRAM JUSTIFICATION: Procures various hardware and software solutions to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission critical capabilities.</p> <p>2. The MH-47 LCM include Army ECP modifications due to the unique configuration of SOF aircraft, SOF-peculiar ECPs, spares, and minor modifications to SOF-peculiar equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission critical capabilities.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures various hardware and software solutions to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission critical capabilities.</p> <p>3. The MH-60 LCM include modifications to the MH-60 in order to provide mission payload, greater range, SOF-peculiar ECPs, spares, and minor modifications to SOF-peculiar equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission critical capabilities including improvements over the enduring MH-60M fleet. This program supports modifications that are mission unique and time-sensitive.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures various hardware and software solutions to improve reliability and maintainability, correct deficiencies, address obsolescence, and incorporate mission critical capabilities.</p> <p>4. The SBUD program procures hardware and software updates for six high fidelity special mission aircraft flight simulators for the MH-47, MH-60, A/MH-6, and related peripheral training devices. The simulator updates provide aviators the ability to train in the exact same helicopter configuration that the unit has on the flight line, ensuring no negative habits develop through training. SBUD ensures realistic full-spectrum training and mission rehearsal capabilities that reduce risk for complex mission sets; reduce overall cost; create positive training habits; and safely recreates the stresses of live training. These training devices have the highest utilization rate across the Army Aviation enterprise, ensuring the 160th Special Operations Aviation Regiment (Airborne) (160th SOAR) meets their aviator throughput requirement by maximizing resources required to attain aircraft and mission proficiency.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Continues to procure software and hardware modifications for the high fidelity special mission aircraft flight simulators and associated production support. Continues modifications and upgrades for the MH-47 configuration and begins modernization updates for MH-60 configuration.</p> <p>5. Commercial Spares provides replenishment and sparing of SOF-peculiar mission equipment components for Army Special Operations Aviation (ARSOA) spare parts greater than the \$250,000 Operations & Maintenance (O&M) individual item purchase threshold. Provides for in-service replacement of items damaged beyond economical repair.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures commercial spare parts.</p> <p>6. SRTV program provides full motion video from ground or air assets to enable real-time threat assessment and to maximize effectiveness and survivability. SRTV will increase mission success and crew/ platform survivability by confirming or denying that the assault plan is viable and that the offensive maneuver force is sufficient to overwhelm the enemy.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures system support to optimize SRTV system configuration. Candidate areas include a smaller, lighter-weight SRTV processor suitable for use on the A/MH-6, display applications providing flexibility to the aircrew, and transceivers compatible with evolving video formats.</p> <p>7. The IRES program, formerly known as NGFLR, procures new and increased sensor capabilities that are necessary due to obsolescence and the underperformance of sensor systems currently supporting air to ground tactics, techniques, and procedures. The improved sensor capability will have better image quality and pointing accuracy, increased spectrum, and will be lighter weight to mitigate capability gaps in currently employed sensor systems on A/MH-6, MH-60M, and MH-47G platforms. This capability will provide increased situational awareness primarily through improved target identification and target location accuracy at extended ranges.</p> | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT |
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160482BB, 1160427BB, 1160403BB |
| Line Item MDAP/MAIS Code: 0000 | | |
| FY 2021 PROGRAM JUSTIFICATION: Procures 21 A/B Kits and provides for integrated logistics support. | | |
| 8. The DVE Pilotage System solution will fuse information from aircraft sensors and digital terrain elevation data to display real-time reference points, obstacles, and landing zone information to the aviator. The DVE solution will provide MH-47 and MH-60 aircrews with visual cues for obstacle avoidance and aircraft control during all phases of flight and significantly increase crew and passenger survivability in DVE. The AAQ-250 Brownout Camera (a sub-component of the DVE Pilotage System) is being procured and fielded as an interim capability to provide the user with enhanced situational awareness ahead of the full DVE system. Procured Brownout Cameras will be provided as GFE to the vendor once production begins on DVE Pilotage Systems. | | |
| FY 2021 PROGRAM JUSTIFICATION: Procures 13 A Kits, 11 avionics integration B Kits, and production support. A Kit quantities support both MFP-2 Service-provided and MFP-11 procured B Kits. | | |
| 9. This program procures a SOF Common TF/TA SKR, spares, and ECPs. SKR provides a low-probability of intercept/low probability of detection radar to defeat advanced passive detection threats while maintaining the ability to fly safe TF. This radar is targeted for use on all MH-47G Chinook heavy assault helicopters and MH-60M medium assault helicopters. Radars for CV-22 Tilt-Rotor aircraft and MC-130J aircraft are reported by the Fixed Wing Program of Record. This radar provides mission essential capabilities while addressing obsolescence issues associated with today's legacy radar systems: the AN/APQ-174B and AN/APQ-186. | | |
| The SKR program office will award a three-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Current unit quantities and cost reflect existing Indefinite Delivery/Indefinite Quantity (IDIQ) contract pricing. Per unit cost and quantities will be updated following contract award in 1QFY21. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program. This MYP plans to award SKRs with funding in the following P-1 Titles: Rotary Wing Upgrades and Sustainment, CV-22 Modification, and AC/MC130J. | | |
| FY 2021 PROGRAM JUSTIFICATION: Procures A Kits, 9 SKR B Kits, and three initial spares. | | |
| 10. The MPU replaces the current Mission Processor (to include the Multi-Function Displays and Control Display Units) within all ARSOA aircraft. This upgrade increases software processor performance margins and enables the Operational Flight Program (OFP) to accommodate planned future updates, which include: Federal Aviation Agency Global Air Traffic Management (GATM), and Tactical Mission Networking (TMN), formerly known as Airborne Mission Network (AbMN). This program also includes upgrades to the Common Avionics Architecture System (CAAS) (MH-60/MH-47) and the Aviation Management System (AMS) (A/MH-6), which are the software backbone to the OFPs, and upgrades the current embedded Global Positioning System (GPS)/Inertial Navigation System with an all-in-view GPS card in accordance with Global Area Navigation System/GATM requirements. TMN will install ground force compatible radios to digitally exchange tactical information among participating forces culminating in an accurate, composite, and correlated picture of the entire battle space. TMN provides ARSOA airborne platforms and on-board supported forces digital connectivity with ground elements and other airborne assets to include a Common Operational Picture (COP) of hostile and friendly forces. | | |
| FY 2021 PROGRAM JUSTIFICATION: Procures both AMS and CAAS software updates; 96 General Purpose Processing Unit (GPPU) Power Supply Module B kits, TMN A Kits, B kits and 17 multi-band network radios, hardware and software integration, Non-Reoccurring Engineering MPU and TMN integration assets/support. | | |
| 11. The ASE program procures and fields critical active and passive SOF-unique ASE to counter rapidly evolving Surface-to-Air (SA) and Air-to-Air (AA) threat systems for the A/MH-6, MH-60, and MH-47. This program includes fielding of new systems and pre-planned product improvements/upgrades of fielded ASE, addresses obsolescence issues through production based engineering change proposals, and provides technical data and fielding support and testing. Beginning in FY 2017 this program included the Suite of Integrated Radio Frequency Countermeasures (SIRFC) and Infrared Countermeasures (IRCM) programs. SIRFC is a fully integrated, modular and adaptable suite of active aircraft survivability equipment that increases combat effectiveness and potential for mission accomplishment for ARSOA aircraft. SIRFC provides state-of-the-art radar warning receivers and technologically advanced radar-jamming capabilities for increased threat detection, enhanced situational awareness, and defensive countermeasures. The Infrared Countermeasures (IRCM) program provides a low Size, Weight, and Power capability suitable for the A/MH-6 MELB with potential use on the MH-60 and MH-47 aircraft. The IRCM program fields a Department of Navy lightweight IRCM system to include a missile warning system and countermeasure capability. The IRCM program will also develop, integrate, qualify, test and field an engine exhaust heat suppressor for the A/MH-6 MELB to reduce its heat signature and reduce the risk of engagement by heat seeking missiles. | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT |
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160482BB, 1160427BB, 1160403BB |
| Line Item MDAP/MAIS Code: 0000 | | |
| <p>FY 2021 PROGRAM JUSTIFICATION: Procures A/MH-6 IRCM 3.0 A Kits and missile warning and counter measure upgrades; SIRFC non-recurring upgrades, integration, flight, and fielding support.</p> <p>12. The MH-60M Block Upgrades program continues to modify the fleet of 72 U.S. Army SOF MH-60M aircraft. The current configuration (commonly referred to as Block 0) is already undergoing a Block 1 modification. Known upgrades include Common IRCM (CIRCM), TF/TA SKR, obsolescence of weapons targeting hardware, vibration reduction of direct fire weapons systems, integration of Upturned Exhaust System (UES) II, TMN, and future mission equipment technology insertions. This program will result in the most relevant and combat effective ARSOA MH-60M platform, providing savings in operations and sustainment costs. The MH-60M provides the critically needed performance for high altitude, hot temperature, heavy aircraft missions commonly required to support Overseas Contingency Operations and multi-domain operations (MDO) against near peer threat.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures Nine A Kits, Nine B Kits, system engineering, program support, and production engineering for Block upgrades to MH-60M ARSOA aircraft and modifications.</p> <p>13. A/MH-6M Block Upgrades. This modification restores structural, performance, and safety margins for the aircrews while providing an acceptable level of situational awareness in the cockpit and accommodations for rapid integration of future capabilities. This project includes modifications to ASE and weapons systems to counter rapidly emerging threats, improve lethality and enhance aircraft. Installation funding is required in the fiscal year prior to aircraft induction to allow for build of installation kits.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 7 Avionics, 9 Performance, 9 Collective Trim, and 11 Integrated Airframe Shells, 4 legacy Airframe parts, and integration support.</p> <p>Efforts with funding starting in FY 2022 through FY 2025 are summarized on the P-40. Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:</p> <ul style="list-style-type: none"> (a) FY 2022 Cost Delta: 24.532 million (b) FY 2023 Cost Delta: 26.432 million (c) FY 2024 Cost Delta: 26.638 million (d) FY 2025 Cost Delta: 27.180 million | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | | Date: February 2020 | | | | |
|---|-------|----------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|---|-------------------|------------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | | | | | | | Aggregated Items Title: Rotary Wing Upgrades and Sustainment | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 1 - A/MH-6M Low Cost Modifications (LCM) | | | | | | | | | | | | | | | | | | | | |
| 1.1 / A/MH-6M Low Cost Modifications (LCM) | | | - | - | 13.131 | - | - | 4.990 | - | - | 2.729 | - | - | 2.784 | - | - | - | - | - | 2.784 |
| Subtotal: 1 - A/MH-6M Low Cost Modifications (LCM) | | | - | - | 13.131 | - | - | 4.990 | - | - | 2.729 | - | - | 2.784 | - | - | - | - | - | 2.784 |
| 2 - MH-47 LCM | | | | | | | | | | | | | | | | | | | | |
| 2.1 / LCM | | | - | - | 16.444 | - | - | 2.394 | - | - | 2.932 | - | - | 2.961 | - | - | - | - | - | 2.961 |
| Subtotal: 2 - MH-47 LCM | | | - | - | 16.444 | - | - | 2.394 | - | - | 2.932 | - | - | 2.961 | - | - | - | - | - | 2.961 |
| 3 - MH-60 LCM | | | | | | | | | | | | | | | | | | | | |
| 3.1 / LCM | | | - | - | 14.821 | - | - | 2.537 | - | - | 4.569 | - | - | 5.418 | - | - | - | - | - | 5.418 |
| Subtotal: 3 - MH-60 LCM | | | - | - | 14.821 | - | - | 2.537 | - | - | 4.569 | - | - | 5.418 | - | - | - | - | - | 5.418 |
| 4 - Simulator Block (SBUD) Upgrades | | | | | | | | | | | | | | | | | | | | |
| 5.1 / Updates | | | - | - | 41.210 | - | - | 14.820 | - | - | 9.400 | - | - | 7.494 | - | - | - | - | - | 7.494 |
| 5.2 / Production Support | | | - | - | 7.161 | - | - | 1.441 | - | - | 1.477 | - | - | 1.507 | - | - | - | - | - | 1.507 |
| Subtotal: 4 - Simulator Block (SBUD) Upgrades | | | - | - | 48.371 | - | - | 16.261 | - | - | 10.877 | - | - | 9.001 | - | - | - | - | - | 9.001 |
| 5 - Commercial Spares | | | | | | | | | | | | | | | | | | | | |
| 6.1 / Commercial Spares | | | - | - | 8.384 | - | - | 2.816 | - | - | 1.412 | - | - | 1.396 | - | - | - | - | - | 1.396 |
| Subtotal: 5 - Commercial Spares | | | - | - | 8.384 | - | - | 2.816 | - | - | 1.412 | - | - | 1.396 | - | - | - | - | - | 1.396 |
| 6 - Secure Real Time Video (SRTV) | | | | | | | | | | | | | | | | | | | | |
| 7.1 / A/B Kits | | | - | - | 9.760 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.2 / Other Support | | | - | - | 5.419 | - | - | - | - | - | 2.801 | - | - | 2.857 | - | - | - | - | - | 2.857 |
| 7.3 / Non-Recurring Engineering | | | - | - | 6.247 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 6 - Secure Real Time Video (SRTV) | | | - | - | 21.426 | - | - | - | - | - | 2.801 | - | - | 2.857 | - | - | - | - | - | 2.857 |
| Prior Years Funding | | | | | | | | | | | | | | | | | | | | |
| Prior Years - Overseas Contingency Operations (OCO) | | | - | - | 11.350 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Prior Years - Baseline | | | - | - | 1,813.677 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Prior Years Funding | | | - | - | 1,825.027 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | | | - | - | 1,947.604 | - | - | 28.998 | - | - | 25.320 | - | - | 24.417 | - | - | - | - | - | 24.417 |
| Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding. | | | | | | | | | | | | | | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | Modification Number / Title: 7 / Improved Rotary Wing Electro-Optical Sensor (IRES) |

| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | MDAP/MAIS Code: | | | | | | |
|--|-------------|---------|---------|--------------|-------------|-----------------|---------|---------|---------|---------|-------------|------------|
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 0.634 | - | 0.948 | 18.707 | - | 18.707 | 20.874 | 21.303 | 21.752 | 22.208 | Continuing | Continuing |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | 0.634 | - | 0.948 | 18.707 | - | 18.707 | 20.874 | 21.303 | 21.752 | 22.208 | Continuing | Continuing |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 0.634 | - | 0.948 | 18.707 | - | 18.707 | 20.874 | 21.303 | 21.752 | 22.208 | Continuing | Continuing |
| (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> | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

The Improved Rotary Wing Electro-Optical Sensor (IRES) program, formerly known as Next Generation Forward Looking Infrared (NGFLR), is a commercial off the shelf (COTS)/non-developmental lighter-weight Electro-Optical Sensor System (EOSS) needed to reduce aircraft nose weight and mitigate obsolescence of the currently fielded Q2 and Q3 FLIR systems on the MH-47, MH-60, and A/MH-6 aircraft. Both assault and attack turreted systems will include multi-spectrum infrared (IR), day TV, laser spot tracker, laser range finder, and laser illuminator with the ability to fuse camera images. The attack turrets will also include a laser designator for targeting capabilities.

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | | | Modification Number / Title: 7 / Improved Rotary Wing Electro-Optical Sensor (IRES) | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | MDAP/MAIS Code: | | | | | |
| Models of Systems Affected: MH-47G/MH-60M/MH-6 | | | | Modification Type: Added Capability | | | | Related RDT&E PEs: | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | | | | | | | |
| <i>Modification Item 1 of 1:</i> Improved Rotary Wing Electro-Optical Sensor (IRES) | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| A Kits | - / 0.634 | - / - | 7 / 0.948 | 21 / 2.625 | - / - | 21 / 2.625 | 16 / 2.000 | 11 / 1.375 | 12 / 1.500 | 26 / 3.250 | Continuing | Continuing | |
| <i>Subtotal: Recurring</i> | - / 0.634 | - / - | 7 / 0.948 | 21 / 2.625 | - / - | 21 / 2.625 | 16 / 2.000 | 11 / 1.375 | 12 / 1.500 | 26 / 3.250 | Continuing | Continuing | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Install Kits | - / - | - / - | - / - | 21 / 14.255 | - / - | 21 / 14.255 | 19 / 13.825 | 21 / 12.705 | 21 / 12.580 | 16 / 8.980 | Continuing | Continuing | |
| Integrated Logistical Support | - / - | - / - | - / - | - / 1.827 | - / - | - / 1.827 | - / 5.049 | - / 7.223 | - / 7.672 | - / 9.978 | Continuing | Continuing | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | 21 / 16.082 | - / - | 21 / 16.082 | 19 / 18.874 | 21 / 19.928 | 21 / 20.252 | 16 / 18.958 | Continuing | Continuing | |
| <i>Subtotal: Improved Rotary Wing Electro-Optical Sensor (IRES)</i> | - / 0.634 | - / - | 7 / 0.948 | 42 / 18.707 | - / - | 42 / 18.707 | 35 / 20.874 | 32 / 21.303 | 33 / 21.752 | 42 / 22.208 | Continuing | Continuing | |
| <i>Subtotal: Procurement, All Modification Items</i> | - / 0.634 | - / - | - / 0.948 | - / 18.707 | - / - | - / 18.707 | - / 20.874 | - / 21.303 | - / 21.752 | - / 22.208 | Continuing | Continuing | |
| Installation | | | | | | | | | | | | | |
| <i>Subtotal: Installation</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 0.634 | - | 0.948 | 18.707 | - | 18.707 | 20.874 | 21.303 | 21.752 | 22.208 | Continuing | Continuing | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | Date: February 2020 | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | Modification Number / Title: 7 / Improved Rotary Wing Electro-Optical Sensor (IRES) | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | MDAP/MAIS Code: | | |
| Modification Item 1 of 1: Improved Rotary Wing Electro-Optical Sensor (IRES) | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: TBD | | | | Manufacturer Location: TBD | | | |
| Administrative Leadtime (in Months): | | | | Production Leadtime (in Months): 9 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | | | Dec 2020 | Dec 2021 | Dec 2022 | Dec 2023 | Dec 2024 |
| Delivery Dates | | | Sep 2021 | Sep 2022 | Sep 2023 | Sep 2024 | Sep 2025 |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Contractor | | | | | Installation Quantity: 192 | | |
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | | | Modification Number / Title: 8 / Degraded Visual Environment (DVE) Pilotage System | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | | |
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 20.192 | 1.000 | 8.590 | 12.731 | - | 12.731 | 13.047 | 13.374 | 13.617 | 13.889 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 20.192 | 1.000 | 8.590 | 12.731 | - | 12.731 | 13.047 | 13.374 | 13.617 | 13.889 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 20.192 | 1.000 | 8.590 | 12.731 | - | 12.731 | 13.047 | 13.374 | 13.617 | 13.889 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| <p>Description:</p> <p>The Degraded Visual Environment (DVE) Pilotage System solution will fuse information from aircraft sensors and digital terrain elevation data to display real-time reference points, obstacles, and landing zone information to the aviator. The DVE solution will provide MH-47 and MH-60 aircrews with visual cues for obstacle avoidance and aircraft control during all phases of flight and significantly increase crew and passenger survivability in DVE. The AAQ-250 Brownout Camera (a sub-component of the DVE Pilotage System) is an interim capability to provide the user with enhanced situational awareness ahead of the full DVE system. Procured Brownout Cameras will be provided as Government Furnished Equipment (GFE) to the vendor once production begins on DVE Pilotage Systems.</p> | | | | | | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | | | Modification Number / Title: 8 / Degraded Visual Environment (DVE) Pilotage System | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | MDAP/MAIS Code: | | | | | |
| Models of Systems Affected: MH-47G/MH-60M | | | | Modification Type: Added Capability | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 1: Degraded Visual Environment ⁽¹⁾ | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Q-250 A-Kit (Camera) | 96 / 4.305 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 4.305 | |
| DVE Pilotage System A-Kit ⁽²⁾ | - / - | - / - | 25 / 7.500 | 13 / 2.415 | - / - | 13 / 2.415 | 7 / 2.151 | 8 / 2.711 | 9 / 2.829 | 10 / 3.389 | Continuing | Continuing | |
| Subtotal: Recurring | 96 / 4.305 | - / - | 25 / 7.500 | 13 / 2.415 | - / - | 13 / 2.415 | 7 / 2.151 | 8 / 2.711 | 9 / 2.829 | 10 / 3.389 | Continuing | Continuing | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Q-250 B-Kit (Camera) | 90 / 12.844 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 12.844 | |
| DVE Pilotage System B-Kit | - / - | - / - | - / - | 11 / 9.020 | - / - | 11 / 9.020 | 12 / 9.840 | 12 / 10.037 | 12 / 10.238 | 11 / 9.200 | Continuing | Continuing | |
| Subtotal: Recurring | 90 / 12.844 | - / - | - / - | 11 / 9.020 | - / - | 11 / 9.020 | 12 / 9.840 | 12 / 10.037 | 12 / 10.238 | 11 / 9.200 | Continuing | Continuing | |
| Non-Recurring | | | | | | | | | | | | | |
| Avionics Integration | - / - | - / 0.450 | - / 1.004 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | Continuing | Continuing | |
| Subtotal: Non-Recurring | - / - | - / 0.450 | - / 1.004 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | Continuing | Continuing | |
| Subtotal: Degraded Visual Environment | - / 17.149 | - / 0.450 | - / 8.504 | - / 11.435 | - / - | - / 11.435 | - / 11.991 | - / 12.748 | - / 13.067 | - / 12.589 | Continuing | Continuing | |
| Subtotal: Procurement, All Modification Items | - / 17.149 | - / 0.450 | - / 8.504 | - / 11.435 | - / - | - / 11.435 | - / 11.991 | - / 12.748 | - / 13.067 | - / 12.589 | Continuing | Continuing | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| Production Support | - / 3.043 | - / 0.550 | - / 0.086 | - / 1.296 | - / - | - / 1.296 | - / 1.056 | - / 0.626 | - / 0.550 | - / 1.300 | Continuing | Continuing | |
| Subtotal: Support | - / 3.043 | - / 0.550 | - / 0.086 | - / 1.296 | - / - | - / 1.296 | - / 1.056 | - / 0.626 | - / 0.550 | - / 1.300 | Continuing | Continuing | |
| Installation | | | | | | | | | | | | | |
| Subtotal: Installation | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 20.192 | 1.000 | 8.590 | 12.731 | - | 12.731 | 13.047 | 13.374 | 13.617 | 13.889 | Continuing | Continuing | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | Date: February 2020 | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | Modification Number / Title: 8 / Degraded Visual Environment (DVE) Pilotage System | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | MDAP/MAIS Code: | | |
| Modification Item 1 of 1: Degraded Visual Environment | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Sierra Nevada Corporation | | | | | Manufacturer Location: NV | | |
| Administrative Leadtime <i>(in Months)</i> : 0 | | | | | Production Leadtime <i>(in Months)</i> : 12 | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | | Apr 2020 | Apr 2021 | Apr 2022 | Apr 2023 | Apr 2024 | Apr 2025 |
| Delivery Dates | | Apr 2021 | Apr 2022 | Apr 2023 | Apr 2024 | Apr 2025 | Apr 2026 |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Contractor | | | | | | Installation Quantity: 141 | |
| Footnotes: ⁽¹⁾ FY 2018 and prior B Kit funding procured Brownout Cameras as an interim capability. The B Kit budget for FY 2020 and beyond fields a two sensor system, having a higher B Kit unit cost. ⁽²⁾ DVE Pilotage System A-Kit costs include installation of kits procured in the previous fiscal year. | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | Modification Number / Title: 9 / MH-47G/MH-60M SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar | | | |

| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | MDAP/MAIS Code: | | | | | | |
|---|-------------|---------|---------|--------------|-------------|-----------------|---------|---------|---------|---------|-------------|------------|
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 176.981 | 57.707 | 40.843 | 41.657 | - | 41.657 | 42.462 | 37.091 | 44.340 | 38.737 | Continuing | Continuing |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | 176.981 | 57.707 | 40.843 | 41.657 | - | 41.657 | 42.462 | 37.091 | 44.340 | 38.737 | Continuing | Continuing |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 176.981 | 57.707 | 40.843 | 41.657 | - | 41.657 | 42.462 | 37.091 | 44.340 | 38.737 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | 32.041 | 12.901 | 9.448 | 9.637 | - | 9.637 | 9.830 | 9.994 | 10.228 | 10.433 | Continuing | Continuing |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This program procures a Special Operations Forces (SOF) Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR), spares, and Engineering Change Proposals (ECPs). SKR provides a low-probability of intercept/low probability of detection radar to defeat advanced passive detection threats while maintaining the ability to fly safe TF. This radar is targeted for use on all MH-47G Chinook heavy assault helicopters and MH-60M medium assault helicopters. Radars for CV-22 Tilt-Rotor aircraft and MC-130J aircraft are reported by the Fixed Wing Program of Record. This radar provides mission essential capabilities while addressing obsolescence issues associated with today's legacy radar systems: the AN/APQ-174B and AN/APQ-186.

The SKR program office will award a 3-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Current unit quantities and cost reflect existing Indefinite Delivery/Indefinite Quantity (IDIQ) contract pricing. Per unit cost and quantities will be updated following contract award in the first quarter of FY 2021. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program. This MYP plans to award SKRs with funding in the following P-1 Titles: Rotary Wing Upgrades and Sustainment, CV-22 Modification, and AC/MC130J.

| Development Status/Major Development Milestones | | |
|--|---|--|
| Date | Title | Description |
| May 2019 | MH-47G/MH-60M Regression test and functional qualification test (FQT) | Successful flight demonstration of software version 7.15, regression test, and FQT |
| Jun 2019 | Low Rate Initial Production (LRIP) IV | Procured 16 (13 SKRs, 3 Spares) LRIP units for Rotary Wing |
| Nov 2019 | Full Rate Production (FRP) Lot I | Procure 12 (9 SKRs, 3 Spares) FRP units for Rotary Wing |
| Nov 2020 | FRP Lots 2-4 Multi-Year Procurement (MYP) contract award | Planned award of three-year MYP contract for FRP in FY21, FY22, and FY23 |
| Oct 2019 | FRP Decision | Obtained Acquisition Decision Memorandum (ADM) for FRP from Milestone Decision Authority (MDA) |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | | | Modification Number / Title: 9 / MH-47G/MH-60M SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | | | |
| Models of Systems Affected: MH-47G/MH-60M/MC-130/CV-22 | | | Modification Type: Added Capability | | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 1160403BB - / 283.823 - / 3.089 - / 2.476 - / 2.362 - / - - / 2.362 - / 2.095 - / 2.139 - / 2.189 - / 2.233 - / - - / 300.406 | | | | | | | | | | | | | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 1: MH-47G/MH-60M SOF Common TF/TA SKR (3) | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| AN/APQ-187 - / 2.906 - / 0.900 - / 1.679 - / 1.720 - / - - / 1.720 - / 1.774 - / 2.616 - / 2.118 - / 2.922 Continuing Continuing | | | | | | | | | | | | | |
| Subtotal: Recurring - / 2.906 - / 0.900 - / 1.679 - / 1.720 - / - - / 1.720 - / 1.774 - / 2.616 - / 2.118 - / 2.922 Continuing Continuing | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| AN/APQ-187 36 / 128.524 13 / 42.406 9 / 29.716 9 / 30.300 - / - 9 / 30.300 9 / 30.858 7 / 24.481 9 / 31.994 7 / 25.382 Continuing Continuing | | | | | | | | | | | | | |
| Initial Spares (Radars) 6 / 21.182 3 / 9.786 3 / 9.448 3 / 9.637 - / - 3 / 9.637 3 / 9.830 3 / 9.994 3 / 10.228 3 / 10.433 Continuing Continuing | | | | | | | | | | | | | |
| Initial Spares (Components) - / 10.859 - / 3.115 - / - - / - - / - - / - - / - - / - - / - - / 13.974 | | | | | | | | | | | | | |
| Subtotal: Recurring 42 / 160.565 16 / 55.307 12 / 39.164 12 / 39.937 - / - 12 / 39.937 12 / 40.688 10 / 34.475 12 / 42.222 10 / 35.815 Continuing Continuing | | | | | | | | | | | | | |
| Subtotal: MH-47G/MH-60M SOF Common TF/TA SKR 42 / 163.471 16 / 56.207 12 / 40.843 12 / 41.657 - / - 12 / 41.657 12 / 42.462 10 / 37.091 12 / 44.340 10 / 38.737 Continuing Continuing | | | | | | | | | | | | | |
| Subtotal: Procurement, All Modification Items 42 / 163.471 16 / 56.207 12 / 40.843 12 / 41.657 - / - 12 / 41.657 12 / 42.462 10 / 37.091 12 / 44.340 10 / 38.737 Continuing Continuing | | | | | | | | | | | | | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| Engineering Change Proposals (ECPs)/Intra Contract Support - / 11.091 - / 1.500 - / - - / - - / - - / - - / - - / - - / - Continuing Continuing | | | | | | | | | | | | | |
| Other - / 2.419 - / - - / - - / - - / - - / - - / - - / - - / 2.419 | | | | | | | | | | | | | |
| Subtotal: Support - / 13.510 - / 1.500 - / - - / - - / - - / - - / - - / - Continuing Continuing | | | | | | | | | | | | | |
| Installation | | | | | | | | | | | | | |
| Subtotal: Installation - / - - / - - / - - / - - / - - / - - / - - / - - / - - / - | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) 176.981 57.707 40.843 41.657 - 41.657 42.462 37.091 44.340 38.737 Continuing Continuing | | | | | | | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | Date: February 2020 | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | Modification Number / Title: 9 / MH-47G/MH-60M SOF Common Terrain Following/Terrain Avoidance (TF/TA) (Silent Knight) Radar | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | MDAP/MAIS Code: | | |
| Modification Item 1 of 1: MH-47G/MH-60M SOF Common TF/TA SKR | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Raytheon | | | | Manufacturer Location: Forest, MS | | | |
| Administrative Leadtime <i>(in Months)</i> : 0 | | | | Production Leadtime <i>(in Months)</i> : 16 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | Jun 2019 | Nov 2019 | Nov 2020 | Nov 2021 | Nov 2022 | Nov 2023 | Nov 2024 |
| Delivery Dates | Oct 2020 | Mar 2021 | Mar 2022 | Mar 2023 | Mar 2024 | Mar 2025 | Mar 2026 |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Contractor | | | | | | Installation Quantity: 141 | |
| Footnotes: ⁽³⁾ The SKR program office will award a three year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Per unit cost and quantities will be updated following contract award in the first quarter of FY 2021. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program. | | | | | | | |

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Description:

The Mission Processor Upgrades (MPU) program provides for technology refreshment/upgrade/modernization of cockpit displays (Multi-Function Display and Control Display Units) and mission/video processors for all Army Special Operations Aviation (ARSOA) aircraft. Upgrading all internal processors increases the processing power to support critical functionality and emerging technologies that will be integrated into the Common Avionics Architecture System (CAAS). This mission processor upgrade provides the processing and memory resources required to incorporate the following functions into the General Purpose Processing Unit (GPPU): Global Air Traffic Management (GATM), which replaces ground-based navigation aids with an international requirement that all aircraft be compliant with digital and space-based navigation systems; Automatic Dependent Surveillance-Broadcast (ADS-B) equipment allows Global Positioning System (GPS) equipped aircraft to transmit their location and altitude to other aircraft and air traffic control. This capability has become increasingly critical as the Federal Aviation Agency (FAA) begins shutting down many of their existing surveillance radars. Tactical (Airborne) Mission Network (TMN) (formerly known as Airborne Mission Network (AbMN)) will install ground force compatible radios to digitally exchange tactical information among participating forces, culminating in an accurate, composite, and correlated picture of the entire battlespace. It provides critical, real-time battlefield data to ground forces and aircrew while en route to the objective. TMN provides ARSOA airborne platforms and onboard supported forces digital connectivity with ground elements and other airborne assets, to include a Common Operational Picture of hostile and friendly forces.

Development Status/Major Development Milestones

| Date | Title | Description |
|----------|--|-------------|
| Feb 2011 | Mission Processor System Integration/Testing | |
| Sep 2016 | TMN Low Rate Initial Production (LRIP) | |
| Nov 2017 | GPPU LRIP and Production | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | | Modification Number / Title: 10 / Mission Processor Upgrades (MPU) | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | | | |
| Models of Systems Affected: MH-47G/MH-60M/MH-6 | | | | Modification Type: Added Capability | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 1160403BB | | | | | | | | | | | | | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 6: Cockpit Display Upgrades | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| A/MH-6 B Kits | | | | | | | | | | | | | |
| 51 / 0.700 | | | | | | | | | | | | | |
| MH-60 B Kits | | | | | | | | | | | | | |
| 102 / 12.110 | | | | | | | | | | | | | |
| Cockpit Display Retrofits | | | | | | | | | | | | | |
| - / 2.053 | | | | | | | | | | | | | |
| MH-47G B Kits | | | | | | | | | | | | | |
| 184 / 13.057 | | | | | | | | | | | | | |
| Subtotal: Recurring | | | | | | | | | | | | | |
| 337 / 27.920 | | | | | | | | | | | | | |
| Non-Recurring | | | | | | | | | | | | | |
| Mission Processor Non-Recurring Engineering | | | | | | | | | | | | | |
| - / 4.181 | | | | | | | | | | | | | |
| Initial Spares | | | | | | | | | | | | | |
| - / 1.946 | | | | | | | | | | | | | |
| Subtotal: Non-Recurring | | | | | | | | | | | | | |
| - / 6.127 | | | | | | | | | | | | | |
| Subtotal: Cockpit Display Upgrades | | | | | | | | | | | | | |
| - / 34.047 | | | | | | | | | | | | | |
| Modification Item 2 of 6: Auto-Dependent Surveillance Broadcast (ADS-B) | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| ADS-B Kits | | | | | | | | | | | | | |
| - / 0.018 | | | | | | | | | | | | | |
| Subtotal: Recurring | | | | | | | | | | | | | |
| - / 0.018 | | | | | | | | | | | | | |
| Subtotal: Auto-Dependent Surveillance Broadcast (ADS-B) | | | | | | | | | | | | | |
| - / 0.018 | | | | | | | | | | | | | |
| Modification Item 3 of 6: Avionics Block Upgrades | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| A-Kits | | | | | | | | | | | | | |
| - / 2.923 | | | | | | | | | | | | | |
| Subtotal: Recurring | | | | | | | | | | | | | |
| - / 2.923 | | | | | | | | | | | | | |
| Non-Recurring | | | | | | | | | | | | | |
| A-Kits | | | | | | | | | | | | | |
| - / 1.207 | | | | | | | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | | Modification Number / Title: 10 / Mission Processor Upgrades (MPU) | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | | | |
| Models of Systems Affected: MH-47G/MH-60M/MH-6 | | | | Modification Type: Added Capability | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Subtotal: Non-Recurring | - / 1.207 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 1.207 | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| GATM Software | - / 8.805 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 8.805 | |
| Prior Years (CDAS Software) | - / 1.645 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 1.645 | |
| CAAS Software | - / 22.223 | - / 0.560 | - / 2.358 | - / 2.300 | - / - | - / 2.300 | - / - | - / - | - / - | - / - | Continuing | Continuing | |
| Aviation Management System (AMS) Software | - / - | - / - | - / - | - / 2.421 | - / - | - / 2.421 | - / 1.263 | - / 0.453 | - / 0.271 | - / 1.037 | Continuing | Continuing | |
| Subtotal: Recurring | - / 32.673 | - / 0.560 | - / 2.358 | - / 4.721 | - / - | - / 4.721 | - / 1.263 | - / 0.453 | - / 0.271 | - / 1.037 | Continuing | Continuing | |
| Non-Recurring | | | | | | | | | | | | | |
| CAAS Block Upgrade Non-Recurring Engineering | - / 3.423 | - / 0.107 | - / 1.220 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | Continuing | Continuing | |
| Navigation Database (Nav DB) Compiler | - / 0.743 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.743 | |
| Embedded Global Positioning System (GPS)/Inertial Navigation System (INS) (EGI) Integration | - / 0.779 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | Continuing | Continuing | |
| Subtotal: Non-Recurring | - / 4.945 | - / 0.107 | - / 1.220 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | Continuing | Continuing | |
| Subtotal: Avionics Block Upgrades | - / 41.748 | - / 2.642 | - / 3.578 | - / 4.721 | - / - | - / 4.721 | - / 1.263 | - / 0.453 | - / 0.271 | - / 1.037 | Continuing | Continuing | |
| Modification Item 4 of 6: General Purpose Processor Unit (GPPU) | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Video Processing Module B Kits | - / 17.002 | - / 3.255 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 20.257 | |
| Power Supply Module B Kits | - / - | - / - | 152 / 9.880 | 96 / 6.240 | - / - | 96 / 6.240 | 66 / 4.290 | 42 / 2.730 | - / - | - / - | Continuing | Continuing | |
| Subtotal: Recurring | - / 17.002 | - / 3.255 | - / 9.880 | - / 6.240 | - / - | - / 6.240 | - / 4.290 | - / 2.730 | - / - | - / - | Continuing | Continuing | |
| Non-Recurring | | | | | | | | | | | | | |
| GPPU Non-Recurring Engineering | - / 7.900 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 7.900 | |
| Subtotal: Non-Recurring | - / 7.900 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 7.900 | |
| Subtotal: General Purpose Processor Unit (GPPU) | - / 24.902 | - / 3.255 | - / 9.880 | - / 6.240 | - / - | - / 6.240 | - / 4.290 | - / 2.730 | - / - | - / - | Continuing | Continuing | |
| Modification Item 5 of 6: Tactical (Airborne) Mission Networking (TMN) | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| A Kits | 105 / 12.453 | - / 5.063 | 14 / 2.535 | - / 10.870 | - / - | - / 10.870 | 16 / 19.419 | 16 / 20.165 | 16 / 21.185 | 16 / 25.335 | Continuing | Continuing | |
| Subtotal: Recurring | 105 / 12.453 | - / 5.063 | 14 / 2.535 | - / 10.870 | - / - | - / 10.870 | 16 / 19.419 | 16 / 20.165 | 16 / 21.185 | 16 / 25.335 | Continuing | Continuing | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | | Modification Number / Title: 10 / Mission Processor Upgrades (MPU) | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | | | |
| Models of Systems Affected: MH-47G/MH-60M/MH-6 | | | | Modification Type: Added Capability | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Non-Recurring | | | | | | | | | | | | | |
| Hardware Integration | - / 1.091 | - / 0.136 | - / - | - / 0.552 | - / - | - / 0.552 | - / 0.157 | - / 0.157 | - / 0.150 | - / 0.150 | Continuing | Continuing | |
| Subtotal: Non-Recurring | - / 1.091 | - / 0.136 | - / - | - / 0.552 | - / - | - / 0.552 | - / 0.157 | - / 0.157 | - / 0.150 | - / 0.150 | Continuing | Continuing | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| B Kits | - / 6.724 | 30 / 0.037 | - / 2.310 | - / 1.925 | - / - | - / 1.925 | - / 1.960 | - / 1.925 | - / 1.855 | - / 0.385 | Continuing | Continuing | |
| Multi-Band Network Radios | - / 1.135 | 14 / 2.178 | - / 2.615 | 17 / 5.487 | - / - | 17 / 5.487 | 17 / 7.337 | 17 / 7.330 | 17 / 7.015 | 17 / 4.565 | Continuing | Continuing | |
| Subtotal: Recurring | - / 7.859 | 44 / 2.215 | - / 4.925 | 17 / 7.412 | - / - | 17 / 7.412 | 17 / 9.297 | 17 / 9.255 | 17 / 8.870 | 17 / 4.950 | Continuing | Continuing | |
| Non-Recurring | | | | | | | | | | | | | |
| Software Integration | - / 2.983 | - / - | - / 1.496 | - / 0.500 | - / - | - / 0.500 | - / - | - / - | - / - | - / 0.410 | Continuing | Continuing | |
| Non-Recurring Engineering | - / 5.273 | - / 0.024 | - / 0.100 | - / 0.200 | - / - | - / 0.200 | - / 3.173 | - / 2.310 | - / - | - / - | - / - | - / 11.080 | |
| Subtotal: Non-Recurring | - / 8.256 | - / 0.024 | - / 1.596 | - / 0.700 | - / - | - / 0.700 | - / 3.173 | - / 2.310 | - / 0.000 | - / 0.410 | Continuing | Continuing | |
| Subtotal: Tactical (Airborne) Mission Networking (TMN) | 105 / 29.659 | 44 / 7.438 | 14 / 9.056 | 17 / 19.534 | - / - | 17 / 19.534 | 33 / 32.046 | 33 / 31.887 | 33 / 30.205 | 33 / 30.845 | Continuing | Continuing | |
| Modification Item 6 of 6: Data Transfer Unit Upgrade | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| DTU B Kits | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.200 | 25 / 2.750 | 45 / 4.950 | 45 / 4.950 | Continuing | Continuing | |
| Subtotal: Recurring | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.200 | 25 / 2.750 | 45 / 4.950 | 45 / 4.950 | Continuing | Continuing | |
| Subtotal: Data Transfer Unit Upgrade | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.200 | 25 / 2.750 | 45 / 4.950 | 45 / 4.950 | Continuing | Continuing | |
| Subtotal: Procurement, All Modification Items | - / 130.374 | - / 14.845 | - / 23.459 | - / 30.495 | - / - | - / 30.495 | - / 37.799 | - / 37.820 | - / 39.876 | - / 40.682 | Continuing | Continuing | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| MPU Integration Assets/Support | - / 1.040 | - / 0.456 | - / 0.414 | - / 0.554 | - / - | - / 0.554 | - / 0.554 | - / 0.554 | - / 0.554 | - / 0.590 | Continuing | Continuing | |
| TMN Integration Assets/Support | - / 1.252 | - / 0.689 | - / 0.300 | - / 0.780 | - / - | - / 0.780 | - / 0.580 | - / 0.580 | - / 0.610 | - / 0.610 | Continuing | Continuing | |
| Subtotal: Support | - / 2.292 | - / 1.145 | - / 0.714 | - / 1.334 | - / - | - / 1.334 | - / 1.134 | - / 1.134 | - / 1.164 | - / 1.200 | Continuing | Continuing | |
| Installation | | | | | | | | | | | | | |
| Subtotal: Installation | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 132.666 | 15.990 | 24.173 | 31.829 | - | 31.829 | 38.933 | 38.954 | 41.040 | 41.882 | Continuing | Continuing | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | Date: February 2020 | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | Modification Number / Title: 10 / Mission Processor Upgrades (MPU) | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | MDAP/MAIS Code: | | |
| Modification Item 1 of 6: Cockpit Display Upgrades | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Various | | | | Manufacturer Location: Various | | | |
| Administrative Leadtime (in Months): 0 | | | | Production Leadtime (in Months): 13 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | | | | | | Jun 2024 | Jun 2025 |
| Delivery Dates | | | | | | Jul 2025 | Jul 2026 |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Depot Installation | | | | | Installation Quantity: 192 | | |
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | Modification Number / Title: 10 / Mission Processor Upgrades (MPU) | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | MDAP/MAIS Code: | | | |
| Modification Item 2 of 6: Auto-Dependent Surveillance Broadcast (ADS-B) | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Rockwell Collins | | | | Manufacturer Location: Cedar Rapids, IA | | | |
| Administrative Leadtime (in Months): 0 | | | | Production Leadtime (in Months): 12 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | Dec 2020 | Dec 2020 | | | | | |
| Delivery Dates | Dec 2020 | Dec 2021 | | | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Depot Installation | | | | | Installation Quantity: 192 | | |
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | Modification Number / Title: 10 / Mission Processor Upgrades (MPU) | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | MDAP/MAIS Code: | | | |
| Modification Item 3 of 6: Avionics Block Upgrades | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Rockwell Collins | | | | Manufacturer Location: Cedar Rapids, IA | | | |
| Administrative Leadtime (in Months): 0 | | | | Production Leadtime (in Months): 12 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | | Apr 2020 | Apr 2021 | Apr 2022 | Apr 2023 | Apr 2024 | Apr 2025 |
| Delivery Dates | | Apr 2021 | Apr 2022 | Apr 2023 | Apr 2024 | Apr 2025 | Apr 2026 |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Depot Installation | | | | | Installation Quantity: 141 | | |
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | Modification Number / Title: 10 / Mission Processor Upgrades (MPU) | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | MDAP/MAIS Code: | | | |
| Modification Item 4 of 6: General Purpose Processor Unit (GPPU) | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Rockwell Collins | | | | Manufacturer Location: Cedar Rapids, IA | | | |
| Administrative Leadtime (in Months): 0 | | | | Production Leadtime (in Months): 12 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | Jun 2019 | Jun 2020 | Jun 2021 | Jun 2022 | Jun 2023 | | |
| Delivery Dates | Jun 2020 | Jun 2021 | Jun 2022 | Jun 2023 | Jun 2024 | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Depot Installation | | | | | Installation Quantity: 141 | | |
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | Modification Number / Title: 10 / Mission Processor Upgrades (MPU) | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | MDAP/MAIS Code: | | | |
| Modification Item 5 of 6: Tactical (Airborne) Mission Networking (TMN) | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Various | | | | Manufacturer Location: Various | | | |
| Administrative Leadtime (in Months): 0 | | | | Production Leadtime (in Months): 12 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | Jun 2019 | Jun 2020 | Jun 2021 | Jun 2022 | Jun 2023 | Jun 2024 | Jun 2025 |
| Delivery Dates | Jun 2020 | Jun 2021 | Jun 2022 | Jun 2023 | Jun 2024 | Jun 2025 | Jun 2026 |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Depot Installation/Contractor | | | | | Installation Quantity: 141 | | |
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | Modification Number / Title: 10 / Mission Processor Upgrades (MPU) | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | MDAP/MAIS Code: | | | |
| Modification Item 6 of 6: Data Transfer Unit Upgrade | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Various | | | | Manufacturer Location: Various | | | |
| Administrative Leadtime (in Months): 0 | | | | Production Leadtime (in Months): 12 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | | | | | Apr 2023 | Apr 2024 | Apr 2025 |
| Delivery Dates | | | | | Apr 2024 | Apr 2025 | Apr 2026 |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): TBD | | | | | Installation Quantity: 141 | | |
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | Modification Number / Title: 11 / Aircraft Survivability Equipment |

| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | MDAP/MAIS Code: | | | | | | |
|---|-------------|---------|---------|--------------|-------------|-----------------|---------|---------|---------|---------|-------------|------------|
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 530.905 | 14.013 | 36.538 | 43.127 | - | 43.127 | 55.042 | 81.905 | 82.903 | 85.023 | Continuing | Continuing |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | 530.905 | 14.013 | 36.538 | 43.127 | - | 43.127 | 55.042 | 81.905 | 82.903 | 85.023 | Continuing | Continuing |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 530.905 | 14.013 | 36.538 | 43.127 | - | 43.127 | 55.042 | 81.905 | 82.903 | 85.023 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

Special Operations Forces (SOF) provide organic aviation support for world-wide contingency operations and low-intensity conflicts. The specialized aircraft for these missions must be capable of world-wide rapid deployment, undetected penetration of hostile areas, and operations in contested or anti-access/area denial (A2/AD) environments. The Aircraft Survivability Equipment (ASE) program procures and fields critical active and passive SOF-unique aircraft survivability equipment to counter rapidly evolving Surface-to-Air (SA) and Air-to-Air (AA) threat systems for the A/MH-6, MH-60, and MH-47. These SA threat systems are evolving at an unprecedented rate, requiring rapid procurement of mission equipment that will reduce the probability of engagement and increase the probability of detecting and countering threat systems. This program includes fielding of new systems and pre-planned product improvements (P3I)/upgrades of fielded aircraft survivability equipment, addresses obsolescence issues through production based engineering change proposals, and provides technical data and fielding support and testing. P3I upgrades may include expansion of frequency ranges on existing systems, modernization of legacy components, and potential "collaborative off-boarding/on-boarding" detect/countermeasures capabilities to provide expanded coverage for aircrews in high-threat environments.

The Infrared Countermeasures (IRCM) program provides a new light-weight, mission-configurable Missile Warning System (MWS), IRCM capability and exhaust suppressor at a weight suitable for the A/MH-6 Mission Enhanced Little Bird (MELB). In addition to meeting the A/MH-6 MELB's weight/size restrictions, the light-weight MWS may potentially be used on MH-60 and MH-47 aircraft to provide for the increased payload capacity demanded by the user. Army Special Operations Aviation (ARSOA) requires the addition of IRCM to protect against increasingly proliferated and sophisticated Man-Portable Air-Defense Weapons.

The Suite of Integrated Radio Frequency Countermeasures (SIRFC) is the current generation of Radio Frequency (RF) detection and countermeasures for ARSOA MH-47 and MH-60 aircraft. SIRFC passively detects and actively counters radar-guided missile and anti-aircraft artillery systems. SIRFC is a critical component of deep, clandestine penetration capabilities, as the state-of-the-art Radar Warning Receiver (RWR) provides enhanced situational awareness and the advanced radar-jamming components provide the defensive capabilities required to defeat RF threats. Jammers consist of both Line Replaceable Unit (LRU)-2 High Power Remote Transmitter, and LRU-3 Electronic countermeasures. Digital RF Memory, Fast Acquisition Receiver, and pre-planned product improvements provide state-of-the-art capability against advanced RF threats. Direction Finding/Intermediate Frequency & Swept Receiver upgrades ensure Silent Knight Radar compatibility. This P-3A reflects updated negotiated prices, new contract terms allowing individual LRU purchases, and Economic Order Quantity procurements.

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | | Modification Number / Title: 11 / Aircraft Survivability Equipment | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | | | |
| Models of Systems Affected: MH-47G/MH-60M/ CV-22 | | | | Modification Type: Survivability | | | | | Related RDT&E PEs: 1160403BB | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 1160403BB | | | | | | | | | | | | | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 2: ASE IRCM | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| A/MH-6 A Kits 2.2 (Missile Warning and Countermeasures) | | | | | | | | | | | | | |
| A/MH-6 A Kits 3.0 (Missile Warning and Countermeasures) | | | | | | | | | | | | | |
| A/MH-6 A Kits (Exhaust Suppressor) | | | | | | | | | | | | | |
| A/MH-6 Install/MWO (Exhaust Suppressor) | | | | | | | | | | | | | |
| Subtotal: Recurring | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| A/MH-6 B Kits (Missile Warning and Countermeasures) | | | | | | | | | | | | | |
| B Kits (Exhaust Suppressor) | | | | | | | | | | | | | |
| Subtotal: Recurring | | | | | | | | | | | | | |
| Non-Recurring | | | | | | | | | | | | | |
| Missile Warning and Countermeasures Upgrades | | | | | | | | | | | | | |
| Subtotal: Non-Recurring | | | | | | | | | | | | | |
| Subtotal: ASE IRCM | | | | | | | | | | | | | |
| Modification Item 2 of 2: ASE SIRFC | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Prior Years | | | | | | | | | | | | | |
| RF Improvements | | | | | | | | | | | | | |
| Subtotal: Recurring | | | | | | | | | | | | | |
| Non-Recurring | | | | | | | | | | | | | |
| LRU-1 Digital Upgrades (DRWR/DJAM) | | | | | | | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | | Modification Number / Title: 11 / Aircraft Survivability Equipment | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | | | |
| Models of Systems Affected: MH-47G/MH-60M/ CV-22 | | | | Modification Type: Survivability | | | | | Related RDT&E PEs: 1160403BB | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| LRU-1 Engineering Change Proposal (ECP) Upgrades (Dedicated Electronic Warfar Display (DEWDS)) | - / 10.554 | - / 5.861 | - / 18.177 | - / 24.620 | - / - | - / 24.620 | - / 19.694 | - / 20.819 | - / 22.390 | - / 20.774 | Continuing | Continuing | |
| LRU-2/3/4 ECP Upgrades (includes aircraft mods) | - / - | - / - | - / 1.760 | - / 2.353 | - / - | - / 2.353 | - / 10.372 | - / 22.997 | - / 25.222 | - / 23.709 | Continuing | Continuing | |
| RF Improvements | - / - | - / - | - / - | - / 0.150 | - / - | - / 0.150 | - / 0.450 | - / 2.550 | - / 2.550 | - / 2.550 | Continuing | Continuing | |
| Subtotal: Non-Recurring | - / 54.951 | - / 8.169 | - / 19.937 | - / 27.123 | - / - | - / 27.123 | - / 30.516 | - / 46.366 | - / 50.162 | - / 47.033 | Continuing | Continuing | |
| Subtotal: ASE SIRFC | - / 335.222 | - / 8.169 | - / 19.937 | - / 27.123 | - / - | - / 27.123 | - / 35.516 | - / 64.866 | - / 67.162 | - / 64.033 | Continuing | Continuing | |
| Subtotal: Procurement, All Modification Items | - / 350.751 | - / 11.156 | - / 27.646 | - / 35.860 | - / - | - / 35.860 | - / 46.184 | - / 73.227 | - / 73.331 | - / 75.212 | Continuing | Continuing | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| IRCM - Integration Support | - / 0.197 | - / - | - / 0.216 | - / 0.236 | - / - | - / 0.236 | - / 0.235 | - / 0.250 | - / 0.258 | - / 0.265 | Continuing | Continuing | |
| IRCM - Integrated Logistical Support (Missile Warning System/ Countermeasures (MWS/CM)) | - / 0.255 | - / 0.347 | - / 1.504 | - / 1.710 | - / - | - / 1.710 | - / - | - / - | - / - | - / - | Continuing | Continuing | |
| IRCM - Test Support Equipment (MWS/CM) | - / - | - / 0.187 | - / 0.009 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | Continuing | Continuing | |
| IRCM - Integration Support (Exhaust Suppressor) | - / - | - / - | - / 0.357 | - / - | - / - | - / - | - / - | - / 2.518 | - / 4.961 | - / 0.172 | Continuing | Continuing | |
| SIRFC - Qualification Flight Test Support (LRU-1 (Block 2)) | - / 16.197 | - / - | - / 1.800 | - / 1.000 | - / - | - / 1.000 | - / - | - / 1.208 | - / - | - / 1.888 | Continuing | Continuing | |
| SIRFC - Obsolescence/Engineering Change Proposals | - / 25.748 | - / 1.857 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 27.605 | |
| SIRFC - Fielding Support | - / 15.805 | - / 0.466 | - / 5.006 | - / 4.321 | - / - | - / 4.321 | - / 8.623 | - / 4.702 | - / 4.353 | - / 7.486 | Continuing | Continuing | |
| SIRFC - Prior Year Funding | - / 121.952 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | Continuing | Continuing | |
| Subtotal: Support | - / 180.154 | - / 2.857 | - / 8.892 | - / 7.267 | - / - | - / 7.267 | - / 8.858 | - / 8.678 | - / 9.572 | - / 9.811 | Continuing | Continuing | |
| Installation | | | | | | | | | | | | | |
| Subtotal: Installation | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 530.905 | 14.013 | 36.538 | 43.127 | - | 43.127 | 55.042 | 81.905 | 82.903 | 85.023 | Continuing | Continuing | |
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | Modification Number / Title: 11 / Aircraft Survivability Equipment | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | MDAP/MAIS Code: | | | |
| Modification Item 1 of 2: ASE IRCM | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Leonardo DRS/Daylight Solutions | | | | Manufacturer Location: CA/FL | | | |
| Administrative Leadtime (in Months): 0 | | | | Production Leadtime (in Months): 11 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | Mar 2019 | Mar 2020 | Mar 2021 | Mar 2022 | Mar 2023 | Mar 2024 | Mar 2025 |
| Delivery Dates | Feb 2020 | Feb 2021 | Feb 2022 | Feb 2023 | Feb 2024 | Feb 2025 | Feb 2026 |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Contractor | | | | | Installation Quantity: 51 | | |
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | Modification Number / Title: 11 / Aircraft Survivability Equipment | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | MDAP/MAIS Code: | | | |
| Modification Item 2 of 2: ASE SIRFC | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Harris | | | | Manufacturer Location: Melbourne, FL | | | |
| Administrative Leadtime (in Months): 0 | | | | Production Leadtime (in Months): 15 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | Apr 2019 | Apr 2020 | Apr 2021 | Apr 2022 | Apr 2023 | Apr 2024 | Apr 2025 |
| Delivery Dates | Jul 2020 | Jul 2021 | Jul 2022 | Jul 2023 | Jul 2024 | Jul 2025 | Jul 2026 |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Various | | | | | Installation Quantity: 624 | | |
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | Modification Number / Title: 12 / MH-60 Block Upgrades |

| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | MDAP/MAIS Code: | | | | | | |
|--|-------------|---------|---------|--------------|-------------|-----------------|---------|---------|---------|---------|-------------|------------|
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (Units in Each) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (\$ in Millions) | 25.048 | 8.127 | 8.330 | 9.448 | - | 9.448 | 8.163 | 8.332 | 8.526 | 8.697 | Continuing | Continuing |
| Less PY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (\$ in Millions) | 25.048 | 8.127 | 8.330 | 9.448 | - | 9.448 | 8.163 | 8.332 | 8.526 | 8.697 | Continuing | Continuing |
| Plus CY Advance Procurement (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (\$ in Millions) | 25.048 | 8.127 | 8.330 | 9.448 | - | 9.448 | 8.163 | 8.332 | 8.526 | 8.697 | Continuing | Continuing |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) | | | | | | | | | | | | |
| Initial Spares (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (\$ in Millions) | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This program continues to modify the fleet of 72 U.S. Army Special Operations Forces (SOF) MH-60M aircraft. The current configuration (commonly referred to as Block 0) is already undergoing a Block 1 modification. The pace of technology and user requirements dictate new system configurations before OPTEMPO provides for complete fielding of Block 1. Known upgrades include Common Infrared Countermeasures, Terrain Following/Terrain Avoidance Radar (TF/TAR), obsolescence of weapons targeting hardware, vibration reduction of direct fire weapons systems, integration of Upturned Exhaust System II, Tactical (Airborne) Mission Network, and future mission equipment technology insertions. This program will result in the most relevant and combat effective Army Special Operations Aviation (ARSOA) MH-60M platform, providing savings in operations and sustainment costs. The MH-60M provides the critically needed performance for high, hot, heavy missions commonly required to support Overseas Contingency Operations (OCO).

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | | Modification Number / Title: 12 / MH-60 Block Upgrades | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | MDAP/MAIS Code: | | | | | |
| Models of Systems Affected: MH-60M | | | | Modification Type: Added Capability | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | |
| RDT&E PE # | | | | | | | | | | | | | |
| 1160403BB | - / 4.530 | - / 2.608 | - / 6.533 | - / 3.428 | - / - | - / 3.428 | - / 2.933 | - / 2.993 | - / 3.063 | - / 3.124 | - / - | - / 29.212 | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 1: MH-60 Block Upgrades ⁽⁴⁾ | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| A Kits | 43 / 4.972 | 9 / 2.806 | 6 / 1.842 | 9 / 2.670 | - / - | 9 / 2.670 | 9 / 2.804 | 9 / 2.944 | 9 / 3.091 | 9 / 3.246 | Continuing | Continuing | |
| Systems Engineering | - / 2.391 | - / 0.535 | - / 0.807 | - / 0.400 | - / - | - / 0.400 | - / 0.400 | - / 0.400 | - / 0.400 | - / 0.400 | Continuing | Continuing | |
| Program Support | - / 1.500 | - / 0.420 | - / 0.808 | - / 0.480 | - / - | - / 0.480 | - / 0.490 | - / 0.495 | - / 0.500 | - / 0.502 | Continuing | Continuing | |
| Subtotal: Recurring | 43 / 8.863 | 9 / 3.761 | 6 / 3.457 | 9 / 3.550 | - / - | 9 / 3.550 | 9 / 3.694 | 9 / 3.839 | 9 / 3.991 | 9 / 4.148 | Continuing | Continuing | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Install Kits | 22 / 7.772 | 9 / 2.561 | 9 / 3.879 | 9 / 2.768 | - / - | 9 / 2.768 | 9 / 2.906 | 9 / 3.052 | 9 / 3.204 | 9 / 3.364 | Continuing | Continuing | |
| Production Engineering | - / 3.101 | - / 1.805 | - / - | - / 3.130 | - / - | - / 3.130 | - / 1.563 | - / 1.441 | - / 1.331 | - / 1.185 | Continuing | Continuing | |
| Integrated Logistics Support | - / 5.312 | - / - | - / 0.994 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | Continuing | Continuing | |
| Subtotal: Recurring | 22 / 16.185 | 9 / 4.366 | 9 / 4.873 | 9 / 5.898 | - / - | 9 / 5.898 | 9 / 4.469 | 9 / 4.493 | 9 / 4.535 | 9 / 4.549 | Continuing | Continuing | |
| Subtotal: MH-60 Block Upgrades | - / 25.048 | - / 8.127 | - / 8.330 | - / 9.448 | - / - | - / 9.448 | - / 8.163 | - / 8.332 | - / 8.526 | - / 8.697 | Continuing | Continuing | |
| Subtotal: Procurement, All Modification Items | - / 25.048 | - / 8.127 | - / 8.330 | - / 9.448 | - / - | - / 9.448 | - / 8.163 | - / 8.332 | - / 8.526 | - / 8.697 | Continuing | Continuing | |
| Installation | | | | | | | | | | | | | |
| Subtotal: Installation | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 25.048 | 8.127 | 8.330 | 9.448 | - | 9.448 | 8.163 | 8.332 | 8.526 | 8.697 | Continuing | Continuing | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | Date: February 2020 | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | Modification Number / Title: 12 / MH-60 Block Upgrades | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | MDAP/MAIS Code: | | |
| Modification Item 1 of 1: MH-60 Block Upgrades | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Special Operations Forces Support Activity (SOFSA), Bluegrass Army Depot | | | | | Manufacturer Location: Lexington, KY | | |
| Administrative Leadtime (<i>in Months</i>): 3 | | | | | Production Leadtime (<i>in Months</i>): 15 | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | Nov 2019 | Jun 2020 | Jun 2021 | Jun 2022 | Jun 2023 | Jun 2024 | Jun 2025 |
| Delivery Dates | Feb 2021 | Sep 2021 | Sep 2022 | Sep 2023 | Sep 2024 | Sep 2025 | Sep 2026 |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Contractor | | | | | | Installation Quantity: 72 | |
| Footnotes: ⁽⁴⁾ FY 2020 A Kit cost increase to accommodate upgraded Aircraft Survivability Equipment (ASE) and sensor kit requirements. | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | | | Modification Number / Title: 13 / A/MH-6 Block Upgrades | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | | |
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 12.311 | 23.072 | 27.278 | 29.125 | - | 29.125 | 27.817 | 20.106 | 29.038 | 21.134 | Continuing | Continuing |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | 12.311 | 23.072 | 27.278 | 29.125 | - | 29.125 | 27.817 | 20.106 | 29.038 | 21.134 | Continuing | Continuing |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 12.311 | 23.072 | 27.278 | 29.125 | - | 29.125 | 27.817 | 20.106 | 29.038 | 21.134 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Description: The A/MH-6M Block 3 modification consists of three major efforts: a new fuselage, a performance enhancement kit, and a new cockpit. The fuselage and performance kit are produced by Boeing. The cockpit is comprised of hardware made by Collins Aerospace, Industrial Electronics Engineers, Avalex, L3-Harris, and software developed by Collins Aerospace. The systems integration and aircraft modification are completed by Lockheed-Martin at the Special Operations Forces Support Activity (SOFSA) in Lexington, KY. | | | | | | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | | Modification Number / Title: 13 / A/MH-6 Block Upgrades | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | | | |
| Models of Systems Affected: A/MH-6 | | | | Modification Type: Added Capability | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 1160403BB | | | | | | | | | | | | | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 1: A/MH-6M Block Upgrades | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Avionics Kits | | | | | | | | | | | | | |
| Performance Kits (Rotor Blades, Flight Controls, Tail Rotor System) | | | | | | | | | | | | | |
| Collective Trim System | | | | | | | | | | | | | |
| Integrated Airframe Shells | | | | | | | | | | | | | |
| Legacy Airframe Parts | | | | | | | | | | | | | |
| Subtotal: Recurring | | | | | | | | | | | | | |
| Non-Recurring | | | | | | | | | | | | | |
| Integrated Airframe Shells | | | | | | | | | | | | | |
| Subtotal: Non-Recurring | | | | | | | | | | | | | |
| Subtotal: A/MH-6M Block Upgrades | | | | | | | | | | | | | |
| Subtotal: Procurement, All Modification Items | | | | | | | | | | | | | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| Integration Support | | | | | | | | | | | | | |
| Publications | | | | | | | | | | | | | |
| Subtotal: Support | | | | | | | | | | | | | |
| Installation | | | | | | | | | | | | | |
| Modification Item 1 of 1: A/MH-6M Block Upgrades | | | | | | | | | | | | | |
| Subtotal: Installation | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | | | | | | | | | | | | | |

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|--|----------------|--------------------------------|--------------------------------|--------------------------------|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---|-----------|-----------|----------------|-----------|----------------------------------|-----------|----------------|-----------|-----------|-----------|----------------|-----------|-----------|-----------|-----------|------------|
| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | | | | | | | | | | | | | | | | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | | | | | | | | | | Modification Number / Title: 13 / A/MH-6 Block Upgrades | | | | | | | | | | | | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | | | MDAP/MAIS Code: | | | | | | | | | | | | | | | | | | | | | |
| Modification Item 1 of 1: A/MH-6M Block Upgrades | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manufacturer Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manufacturer Name: Boeing Helicopter | | | | | | | | | | Manufacturer Location: Mesa, AZ | | | | | | | | | | | | | | | | | | | | | |
| Administrative Leadtime (in Months): 7 | | | | | | | | | | Production Leadtime (in Months): 12 | | | | | | | | | | | | | | | | | | | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 | | | | | | | | | | | | | | | | | | | | | | | | |
| Contract Dates | Apr 2019 | Apr 2020 | Apr 2021 | Apr 2022 | Apr 2023 | Apr 2024 | Apr 2025 | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Dates | Apr 2020 | Apr 2021 | Apr 2022 | Apr 2023 | Apr 2024 | Apr 2025 | Apr 2026 | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Method of Implementation: Contract | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Cost | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | | | | | | | | | | | | | | | | | | |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | | | | | | | | | | | | | | | | | |
| Prior Years | | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | | | | | | | | | | | | | | | | | |
| FY 2019 | | - / - | 4 / 3.772 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 3.772 | | | | | | | | | | | | | | | | | |
| FY 2020 | | - / - | - / - | 3 / 13.162 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 3 / 13.162 | | | | | | | | | | | | | | | | | |
| FY 2021 | | - / - | - / - | - / - | 7 / 12.930 | - / - | 7 / 12.930 | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 12.930 | | | | | | | | | | | | | | | | | |
| FY 2022 | | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 13.162 | - / - | - / - | - / - | - / - | - / - | 7 / 13.162 | | | | | | | | | | | | | | | | | |
| FY 2023 | | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 5 / 9.443 | - / - | - / - | - / - | - / - | 5 / 9.443 | | | | | | | | | | | | | | | | | |
| FY 2024 | | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 7 / 13.640 | - / - | - / - | - / - | 7 / 13.640 | | | | | | | | | | | | | | | | | |
| FY 2025 | | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 5 / 9.918 | - / - | - / - | 5 / 9.918 | | | | | | | | | | | | | | | | | |
| To Complete | | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 13 / 9.918 | 13 / 9.918 | | | | | | | | | | | | | | | | | | |
| Total | | - / - | 4 / 3.772 | 3 / 13.162 | 7 / 12.930 | - / - | 7 / 12.930 | 7 / 13.162 | 5 / 9.443 | 7 / 13.640 | 5 / 9.918 | 13 / 9.918 | 51 / 85.945 | | | | | | | | | | | | | | | | | | |
| Installation Schedule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PYS | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | | FY 2025 | | | | TC | Tot |
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | - | 1 | 3 | 3 | - | 1 | 3 | 1 | - | 1 | 3 | 3 | - | 1 | 3 | 1 | - | 20 | 51 |
| Out | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | 3 | - | 1 | 3 | 3 | - | 1 | 3 | 3 | - | 1 | 3 | 3 | - | 23 | 51 |
| Method of Implementation (Organic): TBD | | | | | | | | | | | | | | | | | | | | Installation Quantity: 51 | | | | | | | | | | | |
| Footnotes: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | P-1 Line Item Number / Title: 0201RWUPGR / ROTARY WING UPGRADES AND SUSTAINMENT | Modification Number / Title: 13 / A/MH-6 Block Upgrades |
| ID Code (A=Service Ready, B=Not Service Ready) : | | MDAP/MAIS Code: |
| <div>⁽⁵⁾ Installation funding is required in the fiscal year prior to aircraft induction to allow for build of installation kits.</div> | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | | P-1 Line Item Number / Title: 0201UMNISR / UNMANNED ISR | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: N/A | | | | Other Related Program Elements: 1105232BB | | | | |
| Line Item MDAP/MAIS Code: N/A | | | | | | | | | | | | |
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 167.673 | 101.308 | 19.955 | 25.488 | 8.207 | 33.695 | 27.469 | 26.795 | 30.360 | 28.991 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 167.673 | 101.308 | 19.955 | 25.488 | 8.207 | 33.695 | 27.469 | 26.795 | 30.360 | 28.991 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 167.673 | 101.308 | 19.955 | 25.488 | 8.207 | 33.695 | 27.469 | 26.795 | 30.360 | 28.991 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| <p>Description:</p> <p>This P-1 Line Item is part of the Military Intelligence Program (MIP). United States Special Operations Command (USSOCOM) has been designated as the DoD lead for planning, synchronizing, and as directed, executing global operations against terrorist networks and targets. USSOCOM requires the capability to find, fix, and finish time-sensitive high-value fixed and fleeting targets at the unit and team level without placing personnel and units in harm's way. These targets can often only be identified with patient collection of information and require rapid, decisive action during the short periods in which they present themselves. This line item addresses the primary areas of Intelligence, Surveillance, Reconnaissance (ISR), and Targeting capabilities for Special Operations Forces (SOF). This program received Overseas Contingency Operations (OCO) funding in FY 2019 (\$43.600 million) and FY 2020 Enduring OCO funding (\$8.207 million). FY 2021 funding includes OCO for Enduring Requirements (\$8.207 million).</p> <p>This line item procures various expendable Unmanned Aerial Systems (UAS) and related sensor payloads for intelligence, surveillance, and reconnaissance, which allows for remotely controlled system emplacement and data exfiltration. These systems are procured from an Approved Resource List in order to provide for rapid fielding of proven capability. It also funds the acquisition and support of SOF-unique mission kits, mission payloads, weaponization, and modifications of Unmanned Aerial Vehicles (UAVs), ground control stations, and training systems. As the combatant command executing operations, USSOCOM requires the capability to find, fix, finish, exploit, and analyze time-sensitive high-value targets. USSOCOM aims to standardize payload interfaces for Special Operation Forces (SOF) Group 1-4 UAS to accelerate the procurement and fielding of much needed capability in order to reduce the time and cost to develop, field, and sustain SOF Group 1-4 UAV future payload enhancements. This will allow user in field to quickly change out payloads on the same platform and reduce time between sorties. These capabilities will be pursued via rapid fielding techniques when appropriate.</p> <p>For the Defense Wide Review (DWR), USSOCOM performed a comprehensive analysis of future capabilities and is divesting of the Special Application for Contingency (SAFC) Procurement budget while all future efforts of the program will be completed in RDTE to better align with the Department's priorities as outlined in the National Defense Strategy (-\$1.573 million). -\$1.573 million - SAFC - divests various UAS platforms and related sensor payloads.</p> | | | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | P-1 Line Item Number / Title: 0201UMNISR / UNMANNED ISR | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: N/A | | | Other Related Program Elements: 1105232BB | | | |
| Line Item MDAP/MAIS Code: N/A | | | | | | | | | | |
| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | Unmanned Aerial Systems (UAS) | | | | - / 167.673 | - / 101.308 | - / 19.955 | - / 25.488 | - / 8.207 | - / 33.695 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 167.673 | - / 101.308 | - / 19.955 | - / 25.488 | - / 8.207 | - / 33.695 |
| <small>*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.</small> | | | | | | | | | | |
| <small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small> | | | | | | | | | | |
| <p>Justification:</p> <p>1. Expeditionary Organic Tactical Airborne ISR (AISR) Capability Set (EOTACS). EOTACS are a family of organic tactical group 1 and group 2 UAS systems. This program procures SOF-unique mission kits, mission payloads, air vehicle enhancements, and modifications on UAS and related ground control stations. Ancillary equipment includes payloads, recovery systems, and launchers.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 30 Group 1 Short Range/Short Endurance Vertical Take-Off and Landing (VTOL) systems, 20 Group 1 Micro VTOL systems, and ancillary equipment.</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Procures 17 Group 1 Nano VTOL systems.</p> <p>2. Group 1 UAS funding will be realigned and executed under the EOTACS program beginning in FY20.</p> <p>3. Group 2 Multi-Mission Tactical Unmanned Aerial System (MTUAS). MTUAS are Group 2 systems, between 21 pounds and 55 pounds in weight. MTUAS provides SOF with an organic ISR capability. This program procures UAS, SOF-unique mission kits, mission payloads, air vehicle enhancements, training systems, and Ground Control Stations (GCS). Ancillary equipment includes baselined versions of payloads, recovery systems, launchers, and GCS modifications.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures ancillary equipment and payloads. Begins procurement of air vehicles, ground control stations, payloads, support equipment, tools, spares, training, interim technical support, and technical data for revised user requirements.</p> <p>4. Group 3 UAS are systems, between 55 pounds and 1320 pounds in weight. This program procures SOF-unique mission kits and mission payloads. Group 3 UAS provide longer flight duration and payload capacity.</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Procures SOF-peculiar advanced payload suites for 10 systems.</p> <p>5. Group 4 UAS are large systems, greater than 1,320 pounds in weight flying less than 18,000 feet above sea level. The MQ-1 UAV line funds the acquisition and support of SOF-unique mission kits, mission payloads, weapons, and modifications on MQ-1C UAVs, GCS, and training systems as part of the Medium Altitude Long Endurance Tactical (MALET) Program. Group 4 UAS Program of Record in FY19 is a transition from Air Force Research Laboratory (AFRL) Rapid Capability Insertion (RCI) formerly known as Long Endurance Aircraft (LEA) program. The LEA UAV line funds the acquisition and support of SOF-unique mission kits, mission payloads, weapons, and modifications on the LEA Family of Systems aircraft, turrets, and GCSs in support of Joint Special Operations Command (JSOC) ISR Multi-Intelligence capacity.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures SOF unique mission MQ-1 kits and payloads and persistent close air support integration.</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Procures 12 SOF unique mission kits and payloads.</p> | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | P-1 Line Item Number / Title: 0201UMNISR / UNMANNED ISR |
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1105232BB |
| Line Item MDAP/MAIS Code: N/A | | |
| <p>6. Special Applications for Contingencies (SAFC) procures various UAS platforms and expendable and related sensor payloads for intelligence, surveillance, and reconnaissance. Platforms will be used to develop/test payload systems that will increase UAS flight range and provide the user real-time access to analyzed target and battlefield data for SOF Group 1-4 UAS. For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is divesting of the SAFC Procurement budget while all future efforts of the program will be completed in RDTE to better align with the Department's priorities as outlined in the National Defense Strategy.</p> | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|------------------|--|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | P-1 Line Item Number / Title: 0201UMNISR / UNMANNED ISR | | | | | | | | Aggregated Items Title: Unmanned Aerial Systems (UAS) | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 1 - Expeditionary Organic Tactical AISR Capability Set (EOTACS) | | | | | | | | | | | | | | | | | | | | |
| 1.1 / Group 2 Long Range/Long Endurance (LR/LE) Fixed Wing | | | 1.375 | 4 | 5.500 | 1.048 | 4 | 4.194 | - | - | - | - | - | - | - | - | - | - | - | - |
| 1.2 / Group 1 Medium Range/Medium Endurance (MR/ME) Fixed Wing | | | - | - | - | 0.532 | 9 | 4.787 | - | - | - | - | - | - | - | - | - | - | - | - |
| 1.3 / Group 1 Short Range/Short Endurance Vertical Takeoff & Landing (VTOL) (Various Type/Quantities) | | | 0.169 | 55 | 9.285 | 0.132 | 110 | 14.552 | - | - | - | 0.160 | 30 | 4.800 | - | - | - | 0.160 | 30 | 4.800 |
| 1.4 / Group 1 Micro VTOL | | | 0.015 | 110 | 1.650 | - | - | - | - | - | - | 0.110 | 20 | 2.200 | - | - | - | 0.110 | 20 | 2.200 |
| 1.5 / Group Nano VTOL (Various Type/Quantities) | | | 0.060 | 28 | 1.680 | 0.046 | 326 | 15.127 | - | - | - | - | - | - | - | - | - | - | - | - |
| 1.6 / Electronic Warfare/Signals Intelligence Payloads | | | - | - | - | 0.161 | 5 | 0.805 | - | - | - | - | - | - | - | - | - | - | - | - |
| 1.7 / Ancillary Equipment | | | - | - | 1.000 | - | - | 9.918 | - | - | - | - | - | 0.882 | - | - | - | - | - | 0.882 |
| 1.9 / Group 1 - Nano VTOL (Various Quantities) Overseas Contingency Operations (OCO) | | | - | - | - | - | - | - | 0.115 | 17 | 1.957 | - | - | - | 0.115 | 17 | 1.957 | 0.115 | 17 | 1.957 |
| Subtotal: 1 - Expeditionary Organic Tactical AISR Capability Set (EOTACS) | | | - | - | 19.115 | - | - | 49.383 | - | - | 1.957 | - | - | 7.882 | - | - | 1.957 | - | - | 9.839 |
| 2 - Group 1 UAS | | | | | | | | | | | | | | | | | | | | |
| 2.1 / Quadcopter | | | - | - | - | 0.020 | 50 | 1.000 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2.2 / Ancillary Equipment | | | - | - | 0.165 | - | - | 0.245 | - | - | 0.149 | - | - | - | - | - | - | - | - | - |
| 2.3 / Payloads | | | - | - | 3.207 | - | - | 2.585 | - | - | 0.986 | - | - | - | - | - | - | - | - | - |
| 2.4 / Group 1 Short Range/Short Endurance (SR/SE) Fixed Wing | | | - | - | - | - | - | - | 0.110 | 6 | 0.660 | - | - | - | - | - | - | - | - | - |
| 2.5 / Group 1 VTOL SR/SE | | | - | - | - | - | - | - | 0.150 | 6 | 0.900 | - | - | - | - | - | - | - | - | - |
| 2.6 / Group 1 Micro VTOL | | | - | - | - | - | - | - | 0.015 | 20 | 0.300 | - | - | - | - | - | - | - | - | - |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | P-1 Line Item Number / Title: 0201UMNISR / UNMANNED ISR | | | | | | | | | Aggregated Items Title: Unmanned Aerial Systems (UAS) | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 2.7 / Group 1 Nano VTOL | | | - | - | - | - | - | - | 0.060 | 13 | 0.780 | - | - | - | - | - | - | - | - | - |
| 2.8 / Prior Years Funding | | | - | - | 1.800 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2.9 / Prior Years Funding - Overseas Contingency Operations (OCO) | | | - | - | 43.143 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 2 - Group 1 UAS | | | - | - | 48.315 | - | - | 3.830 | - | - | 3.775 | - | - | - | - | - | - | - | - | - |
| 3 - Group 2 UAS | | | | | | | | | | | | | | | | | | | | |
| 3.1 / Ancillary Equipment/Payloads | | | - | - | 8.807 | - | - | 0.942 | - | - | 0.938 | - | - | 6.364 | - | - | - | - | - | 6.364 |
| 3.2 / Prior Years Funding | | | - | - | 9.080 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3.3 / Prior Years Funding Overseas Contingency Operations (OCO) | | | - | - | 55.350 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 3 - Group 2 UAS | | | - | - | 73.237 | - | - | 0.942 | - | - | 0.938 | - | - | 6.364 | - | - | - | - | - | 6.364 |
| 4 - Group 3 UAS | | | | | | | | | | | | | | | | | | | | |
| 4.1 / Advanced Payloads OCO | | | - | - | - | 0.462 | 10 | 4.619 | 0.450 | 10 | 4.500 | - | - | - | 0.450 | 10 | 4.500 | 0.450 | 10 | 4.500 |
| Subtotal: 4 - Group 3 UAS | | | - | - | - | - | - | 4.619 | - | - | 4.500 | - | - | 0.000 | - | - | 4.500 | - | - | 4.500 |
| 5 - Group 4 UAS | | | | | | | | | | | | | | | | | | | | |
| 5.1 / MQ-1 Special Operations Forces (SOF) Unique Mission Kits and Mission Payloads | | | - | - | 6.271 | - | - | 2.030 | - | - | 7.240 | - | - | 10.867 | - | - | - | - | - | 10.867 |
| 5.2 / MQ-1 Special Operations Forces (SOF) Unique Mission Kits and Mission Payloads Congressional Plus Up | | | - | - | 8.300 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5.3 / SOF Unique Mission Kits and Mission Payloads OCO | | | - | - | 8.100 | 0.146 | 12 | 1.750 | - | - | - | - | - | - | 0.146 | 12 | 1.750 | 0.146 | 12 | 1.750 |
| 5.4 / A/B Kits Small Glide Munitions OCO | | | - | - | - | 0.250 | 16 | 4.000 | - | - | - | - | - | - | - | - | - | - | - | - |
| 5.5 / Beyond Line of Sight Wiring Harness MQ-1C/ER OCO | | | - | - | - | - | - | 2.000 | - | - | - | - | - | - | - | - | - | - | - | - |
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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | | P-1 Line Item Number / Title: 0201UMNISR / UNMANNED ISR | | | | | | | Aggregated Items Title: Unmanned Aerial Systems (UAS) | | | | |

| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 5.6 / Vortex Integration MQ-1C/ER OCO | | | - | - | - | - | - | 4.250 | - | - | - | - | - | - | - | - | - | - | - | - |
| 5.7 / Persistent Close Air Support Integration OCO | | | - | - | - | - | - | 0.381 | - | - | - | - | - | - | - | - | - | - | - | - |
| 5.8 / Persistent Close Air Support Integration | | | - | - | - | - | - | - | - | - | - | - | - | 0.375 | - | - | - | - | - | 0.375 |
| 5.9 / MQ-1C Transfer Funds OCO | | | - | - | - | - | - | 18.600 | - | - | - | - | - | - | - | - | - | - | - | - |
| 5.10 / LEAP OCO | | | - | - | - | - | - | 8.000 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 5 - Group 4 UAS | | | - | - | 22.671 | - | - | 41.011 | - | - | 7.240 | - | - | 11.242 | - | - | 1.750 | - | - | 12.992 |
| 6 - Special Applications for Contingencies (SAFC) | | | | | | | | | | | | | | | | | | | | |
| 6.1 / Scan Eagle UAS | | | 0.687 | 2 | 1.374 | - | - | - | 0.419 | 3 | 1.257 | - | - | - | - | - | - | - | - | - |
| 6.2 / Puma II UAS | | | - | - | - | 0.527 | 1 | 0.527 | - | - | - | - | - | - | - | - | - | - | - | - |
| 6.3 / Group 1 VTOL SR/SE | | | - | - | - | 0.166 | 6 | 0.996 | 0.166 | 1 | 0.166 | - | - | - | - | - | - | - | - | - |
| 6.4 / Ancillary Equipment/Payloads | | | - | - | - | - | - | - | - | - | 0.122 | - | - | - | - | - | - | - | - | - |
| 6.5 / Prior Years Funding | | | - | - | 1.500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 6.6 / Prior Years Funding - Overseas Contingency Operations (OCO) | | | - | - | 1.461 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 6 - Special Applications for Contingencies (SAFC) | | | - | - | 4.335 | - | - | 1.523 | - | - | 1.545 | - | - | 0.000 | - | - | - | - | - | 0.000 ⁽¹⁾ |
| Total | | | - | - | 167.673 | - | - | 101.308 | - | - | 19.955 | - | - | 25.488 | - | - | 8.207 | - | - | 33.695 |

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

Footnotes:

⁽¹⁾ For the Defense Wide Review, United States Special Operations Command performed a comprehensive analysis of future capabilities and is divesting of the SAFC Procurement budget which divests various UAS platforms and related sensor payloads, while all future efforts of the program will be completed in research, development, test, and evaluation (RDTE) to better align with the Department's priorities as outlined in the National Defense Strategy (-\$1.573 million)

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | | P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | Program Elements for Code B Items: N/A | | | | | Other Related Program Elements: 1160403BB | | | | |
| Line Item MDAP/MAIS Code: 0000 | | | | | | | | | | | | |
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 830.685 | 31.731 | 32.310 | 61.874 | - | 61.874 | 22.316 | 4.487 | 7.856 | 1.893 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 830.685 | 31.731 | 32.310 | 61.874 | - | 61.874 | 22.316 | 4.487 | 7.856 | 1.893 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 830.685 | 31.731 | 32.310 | 61.874 | - | 61.874 | 22.316 | 4.487 | 7.856 | 1.893 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | 96.739 | - | - | 7.675 | - | 7.675 | - | 10.348 | - | - | - | 114.762 |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

Description:
 Note: C-27J modifications for FY19 President's Budget was under Aircraft Support P-1 Line Item Titled: Other Items <\$5M.

The Non-Standard Aviation (NSAV) line provides funding to purchase, modify, equip, and rapidly field Special Operations Forces (SOF) NSAV, Aviation Foreign Internal Defense (AvFID), and C-27J aircraft to provide the required capabilities outlined below. This line also funds Low Cost Modifications (LCM) of NSAV assets to support world-wide SOF mobility and priority Partner Nation training. This program received Overseas Contingency Operations (OCO) funding in FY 2019. There is no associated RDTE. These capabilities will be pursued via rapid fielding techniques when appropriate.

For the Defense Wide Review (DWR), United States Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing AvFID and NSAV programs to better align with the Department's priorities as outlined in the National Defense Strategy (-\$32.514 million).
 -\$2.514 million - NSAV - reduces LCM
 -\$30.000 million - AvFID - reduces two Armed Intelligence, Surveillance, and Reconnaissance (ISR) aircrafts.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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Appropriation / Budget Activity / Budget Sub Activity:

0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA
1: Aviation Programs

P-1 Line Item Number / Title:

0207NSAV / NON-STANDARD AVIATION

ID Code (A=Service Ready, B=Not Service Ready):**Program Elements for Code B Items:** N/A**Other Related Program Elements:** 1160403BB**Line Item MDAP/MAIS Code:** 0000

| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | NON-STANDARD AVIATION (NSAV) | | | | - / 830.685 | - / 31.731 | - / 2.417 | - / 42.175 | - / - | - / 42.175 |
| P-3a | 3 / C-27J Modifications (Added Capability) | | | | - / - | - / - | - / 29.893 | - / 19.699 | - / - | - / 19.699 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 830.685 | - / 31.731 | - / 32.310 | - / 61.874 | - / - | - / 61.874 |

| Exhibits Schedule | | | | | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | 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 | NON-STANDARD AVIATION (NSAV) | | | | - / - | - / - | - / - | - / - | - / - | - / - |
| P-3a | 3 / C-27J Modifications (Added Capability) | | | | - / 2.620 | - / 2.673 | - / 6.000 | - / - | - / - | - / 60.885 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 22.316 | - / 4.487 | - / 7.856 | - / 1.893 | Continuing | Continuing |

*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:

1. NSAV. Program supports worldwide SOF missions and must have flexible capabilities to facilitate Theater Special Operations Command (TSOC) tactical and strategic objectives. The NSAV program provides Short Take-Off and Landing, flexible, rapid, responsive operational support of special operations teams. Support to TSOCs and operational mission objectives include: SOF team mobility in austere and remote locations, casualty evacuation, non-combatant evacuation operations, and humanitarian assistance.

2. AvFID. Conduct training of fixed wing aircraft with priority Partner Nations in support of U.S. strategic objectives. AvFID aircraft must have flexible capabilities to support objective mission sets including, but not limited to, train, advise, and assist Partner Nation in the areas of day and night operations in low-level navigation, airdrop, air land resupply, leaflet drop, medical evacuation (MEDEVAC), personnel recovery, visual meteorological condition formation, aerial ISR, airborne command and control, convoy escort, close air support, strike, border patrol, counter narcotics, and humanitarian relief.

FY 2021 PROGRAM JUSTIFICATION: Funds three Armed ISR aircraft and initial spares.

3. C-27J. This program provides modifications to C-27J aircraft with equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, incorporate mission enhancements, and make critical safety changes.

FY 2021 PROGRAM JUSTIFICATION: Funds one landing gear overhaul and two aircraft cockpits.

Efforts with funding starting in FY 2022 through FY 2025 are summarized on the P-40. Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:

- (a) FY 2022 Cost Delta: 19.696 million
- (b) FY 2023 Cost Delta: 1.814 million
- (c) FY 2024 Cost Delta: 1.856 million

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION |
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160403BB |
| Line Item MDAP/MAIS Code: 0000 | | |
| <div>(d) FY 2025 Cost Delta: 1.893 million</div> <div>(e) To Complete and Total Delta: Continuing</div> | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|---|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|---|------------|-------------------|------------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION | | | | | | | | | Aggregated Items Title: NON-STANDARD AVIATION (NSAV) | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 1 - NSAV Aircraft | | | | | | | | | | | | | | | | | | | | |
| 1.1 / Low Cost Modifications (LCM) (1) | | | - | - | 9.797 | - | - | 4.787 | - | - | 2.417 | - | - | - | - | - | - | - | - | - |
| 1.2 / Global Positioning System Improvements | | | - | - | - | - | - | 7.500 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 1 - NSAV Aircraft | | | - | - | 9.797 | - | - | 12.287 | - | - | 2.417 | - | - | - | - | - | - | - | - | - |
| 2 - Aviation Foreign Internal Defense (AvFID); includes MC-12 Air National Guard Improvements | | | | | | | | | | | | | | | | | | | | |
| 2.1 / Global Positioning System Improvements | | | - | - | - | 1.074 | 6 | 6.444 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2.2 / Infrared Suppression System OCO | | | - | - | - | 0.722 | 9 | 6.500 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2.3 / High Definition Infrared Sensor OCO | | | - | - | - | 0.542 | 12 | 6.500 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2.4 / Aircraft | | | - | - | - | - | - | - | - | - | - | 11.500 | 3 | 34.500 | - | - | - | 11.500 | 3 | 34.500 |
| 2.5 / Initial Spares | | | - | - | - | - | - | - | - | - | - | - | - | 7.675 | - | - | - | - | - | 7.675 |
| Subtotal: 2 - Aviation Foreign Internal Defense (AvFID); includes MC-12 Air National Guard Improvements | | | - | - | - | - | - | 19.444 | - | - | - | - | - | 42.175 | - | - | - | - | - | 42.175 (2) |
| Prior Year | | | | | | | | | | | | | | | | | | | | |
| Completed Efforts | | | - | - | 820.888 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Prior Year | | | - | - | 820.888 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | | | - | - | 830.685 | - | - | 31.731 | - | - | 2.417 | - | - | 42.175 | - | - | - | - | - | 42.175 |

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

Footnotes:

⁽¹⁾ For the Defense Wide Review (DWR), United States Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing NSAV LCM (-\$2.514 million).

⁽²⁾ For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing AvFID, two Armed Intelligence, Surveillance, and Reconnaissance (ISR) aircrafts (-\$30.000 million).

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION | | | | Modification Number / Title: 3 / C-27J Modifications | | | | |

| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | MDAP/MAIS Code: | | | | | | |
|--|-------------|---------|---------|--------------|-------------|-----------------|---------|---------|---------|---------|-------------|--------|
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | - | 29.893 | 19.699 | - | 19.699 | 2.620 | 2.673 | 6.000 | - | - | 60.885 |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | - | - | 29.893 | 19.699 | - | 19.699 | 2.620 | 2.673 | 6.000 | - | - | 60.885 |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | - | 29.893 | 19.699 | - | 19.699 | 2.620 | 2.673 | 6.000 | - | - | 60.885 |
| (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> | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This program provides modifications to C-27J aircraft with equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, incorporate mission enhancements, and make critical safety changes. Current projects include but are not limited to: procuring landing gear, overhaul of landing gear, cockpit resets and upgrades. FY 2019 for C-27J resides in P-1 line item Other Items <\$5 million. No associated RDTE funds.

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION | | | | Modification Number / Title: 3 / C-27J Modifications | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | | | |
| Models of Systems Affected: C-27J | | | | Modification Type: Added Capability | | | | Related RDT&E PEs: | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 2: Landing Gear Overhaul | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Landing Gear Overhaul | | - / - | - / - | - / - | 1 / 0.800 | - / - | 1 / 0.800 | 3 / 2.620 | - / - | - / - | - / - | - / - | 4 / 3.420 |
| Subtotal: Recurring | | - / - | - / - | - / - | 1 / 0.800 | - / - | 1 / 0.800 | 3 / 2.620 | - / - | - / - | - / - | - / - | 4 / 3.420 |
| Subtotal: Landing Gear Overhaul | | - / - | - / - | - / - | 1 / 0.800 | - / - | 1 / 0.800 | 3 / 2.620 | - / - | - / - | - / - | - / - | 4 / 3.420 |
| Modification Item 2 of 2: Cockpit Reset/Upgrade | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Aircraft Cockpit | | - / - | - / - | 3 / 29.893 | 2 / 18.899 | - / - | 2 / 18.899 | - / - | - / - | 1 / 6.000 | - / - | - / - | 6 / 54.792 |
| Subtotal: Recurring | | - / - | - / - | 3 / 29.893 | 2 / 18.899 | - / - | 2 / 18.899 | - / - | - / - | 1 / 6.000 | - / - | - / - | 6 / 54.792 |
| Non-Recurring | | | | | | | | | | | | | |
| Spares | | - / - | - / - | - / - | - / - | - / - | - / - | - / 2.673 | - / - | - / - | - / - | - / - | - / 2.673 |
| Subtotal: Non-Recurring | | - / - | - / - | - / - | - / - | - / - | - / - | - / 2.673 | - / - | - / - | - / - | - / - | - / 2.673 |
| Subtotal: Cockpit Reset/Upgrade | | - / - | - / - | 3 / 29.893 | 2 / 18.899 | - / - | 2 / 18.899 | - / - | - / 2.673 | 1 / 6.000 | - / - | - / - | 6 / 57.465 |
| Subtotal: Procurement, All Modification Items | | - / - | - / - | - / 29.893 | - / 19.699 | - / - | - / 19.699 | - / 2.620 | - / 2.673 | - / 6.000 | - / - | - / - | - / 60.885 |
| Installation | | | | | | | | | | | | | |
| Subtotal: Installation | | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | | - | - | 29.893 | 19.699 | - | 19.699 | 2.620 | 2.673 | 6.000 | - | - | 60.885 |
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION | | | Modification Number / Title: 3 / C-27J Modifications | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | MDAP/MAIS Code: | | | |
| Modification Item 1 of 2: Landing Gear Overhaul | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Leonardo, Aerospace | | | | Manufacturer Location: Turin, Italy | | | |
| Administrative Leadtime (in Months): 0 | | | | Production Leadtime (in Months): 12 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | | | Mar 2021 | Mar 2022 | | | |
| Delivery Dates | | | Feb 2022 | Feb 2023 | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Depot | | | | | Installation Quantity: 4 | | |
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | Date: February 2020 | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | P-1 Line Item Number / Title: 0207NSAV / NON-STANDARD AVIATION | | | Modification Number / Title: 3 / C-27J Modifications | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | MDAP/MAIS Code: | | |
| Modification Item 2 of 2: Cockpit Reset/Upgrade | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Leonardo | | | | Manufacturer Location: Turin, Italy | | | |
| Administrative Leadtime (in Months): 0 | | | | Production Leadtime (in Months): 9 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | | May 2020 | May 2021 | | | May 2024 | |
| Delivery Dates | | Feb 2021 | Feb 2022 | | | Feb 2025 | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Depot | | | | | Installation Quantity: 6 | | |
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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | P-1 Line Item Number / Title: 0607U28 / U-28 |
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| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: N/A |
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Line Item MDAP/MAIS Code: 0000

| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
|--|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 243.831 | 105.723 | 42.398 | 3.825 | - | 3.825 | 4.395 | 4.458 | 7.110 | 7.252 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 243.831 | 105.723 | 42.398 | 3.825 | - | 3.825 | 4.395 | 4.458 | 7.110 | 7.252 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 243.831 | 105.723 | 42.398 | 3.825 | - | 3.825 | 4.395 | 4.458 | 7.110 | 7.252 | Continuing | Continuing |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | 11.025 | 0.670 | - | - | - | - | - | - | - | - | - | 11.695 |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This P-1 Line Item is part of the Military Intelligence Program (MIP). The mission of the U-28 is to provide a manned fixed wing capability for improved tactical airborne Intelligence, Surveillance, Reconnaissance (ISR), and Targeting in support of Theater Special Operations Forces. United States Special Operations Command (USSOCOM) funds Special Operation Forces (SOF) peculiar modifications to rapidly field U-28 aircraft and low cost modifications for the Mission Training Device (MTD), and support equipment to meet evolving mission requirements. This program received Overseas Contingency Operations (OCO) funding in FY 2019 (\$73.422 million) and FY 2020 direct OCO funding (\$31.500 million). There is no associated Research, Development, Test, and Evaluation (RDTE). These capabilities will be pursued via rapid fielding techniques when appropriate.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | |
|--|---------------------------------------|-------------|---|----------------|---------------------------------------|--|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | P-1 Line Item Number / Title: 0607U28 / U-28 | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | Program Elements for Code B Items: N/A | | | Other Related Program Elements: N/A | | | | |
| Line Item MDAP/MAIS Code: 0000 | | | | | | | | | | |
| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | U-28 Systems | P-5a | | | - / 243.831 | - / 105.723 | - / 42.398 | - / 3.825 | - / - | - / 3.825 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 243.831 | - / 105.723 | - / 42.398 | - / 3.825 | - / - | - / 3.825 |
| *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:

1. Mission Systems: Provides SOF-unique modifications to include: avionics, communication systems, Intelligence, Surveillance, and Reconnaissance (ISR) systems, mission workstations, and mission software.

FY 2021 PROGRAM JUSTIFICATION: Procures and installs low cost modifications to U-28 mission systems.

2. MTD: Procures MTD and concurrency, obsolescence, and fidelity low cost modifications to the U-28 MTD ensuring realistic full-spectrum training and mission rehearsal capabilities. The MTD reduces mission risk, overall costs, and safety stresses of live training required to attain aircraft and mission proficiency.

FY 2021 PROGRAM JUSTIFICATION: Installs MTD simulator low cost modifications to mission systems.

3. U-28 Automatic Dependent Surveillance – Broadcast (ADS–B) Upgrade: Federal Aviation Authority (FAA) mandate to improve safety and efficiency enabling unrestricted flight profiles in FAA airspace. This allows aircraft to conduct unrestricted training, transit, and ISR operations.

4. U-28 EQ+ Modification: Follow-on effort to Combat Mission Needs Statement (CMNS) 210 to directly support counter Islamic State of Iraq and Syria (ISIS) operations. Enables deployment aircraft with 20" High Definition Full Motion Video Multi-Spectral Targeting System B Sensors Outside Continental United States (OCONUS) providing both extended stand-off operations and an enhanced Find, Fix, Finish capability. This effort included converting EQ configured aircraft to the EQ+ configuration and converting PC-12 aircraft to the EQ+ configuration. The U-28 EQ+ modification program received OCO funding in FY 2019 and Direct OCO funding in FY 2020.

5. U-28 Mission Equipment Racks: Procures and installs Military Standard compliant mission equipment racks. This effort was OCO funded in FY 2019.

6. High Power Antenna: Procures and installs high power Ku band Beyond Line Of Sight (BLOS) antennas to expand bi-directional data throughput and assure satellite connectivity.

7. Alternative Precision Location and Timing (Alt PNT): Procures and integrates an Alt PNT solution that allows operations in a Global Positioning System (GPS) denied environment. This effort was OCO funded in FY 2019.

8. Radar Warning Capability: procures and installs the Embedded National Tactical Receiver incorporated into the Integrated Broadcast Service to provide a radar warning capability for the U-28 aircrew. This effort was OCO funded in FY 2019.

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| Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command | | | | | | | | | | | | | Date: February 2020 | | | | | | | | |
|--|---------------------|---------------|----------------------|---------------------|---------------|---|---------------------|---------------|----------------------|---------------------|---------------|----------------------|--|---------------|----------------------|---------------------|---------------|----------------------|---------------|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | P-1 Line Item Number / Title: 0607U28 / U-28 | | | | | | | Item Number / Title [DODIC]: U-28 Systems | | | | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | | MDAP/MAIS Code: | | | | | | | | | | | | |
| Resource Summary | | | | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 Total | | |
| Procurement Quantity <i>(Units in Each)</i> | | | | - | | | - | | | - | | | - | | | - | | | | | |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | | | | 243.831 | | | 105.723 | | | 42.398 | | | 3.825 | | | - | | | 3.825 | | |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | | | | - | | | - | | | - | | | - | | | - | | | - | | |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | | | | 243.831 | | | 105.723 | | | 42.398 | | | 3.825 | | | - | | | 3.825 | | |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | | | | - | | | - | | | - | | | - | | | - | | | - | | |
| Total Obligation Authority <i>(\$ in Millions)</i> | | | | 243.831 | | | 105.723 | | | 42.398 | | | 3.825 | | | - | | | 3.825 | | |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) | | | | | | | | | | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | | | | - | | | 0.670 | | | - | | | - | | | - | | | - | | |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | | | | - | | | - | | | - | | | - | | | - | | | - | | |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding. | | | | | | | | | | | | | | | | | | | | | |
| Cost Elements | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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 - 1 - Mission Systems Cost | | | | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | | | | |
| 1.1 Low Cost Modifications | - | - | 7.232 | - | - | 1.967 | - | - | 1.958 | - | - | 1.978 | - | - | - | - | - | 1.978 | | | |
| 1.2 Enhanced Ground Proximity Warning System (EGPWS) Overseas Contingency Operations (OCO) ^(†) | - | - | - | 0.067 | 35 | 2.330 | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| 1.3 EGPWS Spares OCO ^(†) | - | - | - | 0.067 | 10 | 0.670 | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| Subtotal: Recurring Cost | - | - | 7.232 | - | - | 4.967 | - | - | 1.958 | - | - | 1.978 | - | - | - | - | - | 1.978 | | | |
| Subtotal: Hardware - 1 - Mission Systems Cost | - | - | 7.232 | - | - | 4.967 | - | - | 1.958 | - | - | 1.978 | - | - | - | - | - | 1.978 | | | |
| Hardware - 2 - Mission Training Device (MTD) Cost | | | | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | | | | |
| 2.1 MTD ^(†) | - | - | - | 14.263 | 2 | 28.527 | - | - | - | - | - | - | - | - | - | - | - | - | | | |
| 2.2 MTD Low Cost Modifications | - | - | 2.980 | - | - | 1.807 | - | - | 1.823 | - | - | 1.847 | - | - | - | - | - | 1.847 | | | |
| Subtotal: Recurring Cost | - | - | 2.980 | - | - | 30.334 | - | - | 1.823 | - | - | 1.847 | - | - | - | - | - | 1.847 | | | |
| Subtotal: Hardware - 2 - Mission Training Device (MTD) Cost | - | - | 2.980 | - | - | 30.334 | - | - | 1.823 | - | - | 1.847 | - | - | - | - | - | 1.847 | | | |
| Hardware - 3 - Automatic Dependent Surveillance - Broadcast (ADS-B) Upgrade Cost | | | | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command | | | | | | | | | | | | | Date: February 2020 | | | | | |
|--|---------------------|---------------|----------------------|---------------------|---------------|---|---------------------|---------------|----------------------|---------------------|---------------|--|---------------------|---------------|----------------------|---------------------|---------------|----------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | P-1 Line Item Number / Title: 0607U28 / U-28 | | | | | | Item Number / Title [DODIC]: U-28 Systems | | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | | | 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 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 3.1 ADS-B Upgrade OCO ^(†) | - | - | - | 0.133 | 34 | 4.508 | - | - | - | - | - | - | - | - | - | - | - | - |
| 3.2 Installation | - | - | - | 0.145 | 34 | 4.930 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Recurring Cost | - | - | - | - | - | 9.438 | - | - | - | - | - | - | - | - | - | - | - | - |
| Non Recurring Cost | | | | | | | | | | | | | | | | | | |
| 3.3 ADS-B | - | - | - | - | - | 0.784 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Non Recurring Cost | - | - | - | - | - | 0.784 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Hardware - 3 - Automatic Dependent Surveillance - Broadcast (ADS-B) Upgrade Cost | - | - | - | - | - | 10.222 | - | - | - | - | - | - | - | - | - | - | - | - |
| Hardware - 4 - EQ+ Modification Cost | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | |
| 4.1 EQ to EQ+ Modification OCO ^(†) | 9.000 | 2 | 18.000 | - | - | - | 7.875 | 4 | 31.500 | - | - | - | - | - | - | - | - | - |
| 4.2 PC-12 to EQ+ OCO ^(†) | 14.830 | 1 | 14.830 | 16.000 | 2 | 32.000 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Recurring Cost | - | - | 32.830 | - | - | 32.000 | - | - | 31.500 | - | - | - | - | - | - | - | - | - |
| Subtotal: Hardware - 4 - EQ + Modification Cost | - | - | 32.830 | - | - | 32.000 | - | - | 31.500 | - | - | - | - | - | - | - | - | - |
| Hardware - 5 - Mission Equipment Racks Cost | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | |
| 5.1 Mission Equipment Racks OCO ^(†) | - | - | - | 0.500 | 13 | 6.500 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Recurring Cost | - | - | - | - | - | 6.500 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Hardware - 5 - Mission Equipment Racks Cost | - | - | - | - | - | 6.500 | - | - | - | - | - | - | - | - | - | - | - | - |
| Hardware - 6 - High Power Antenna Cost | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | |
| 6.1 High Power Antenna ^(†) | - | - | - | - | - | - | 0.184 | 25 | 4.600 | - | - | - | - | - | - | - | - | - |
| Subtotal: Recurring Cost | - | - | - | - | - | - | - | - | 4.600 | - | - | - | - | - | - | - | - | - |
| Non Recurring Cost | | | | | | | | | | | | | | | | | | |
| 6.2 First Article | - | - | - | - | - | - | 1.259 | 2 | 2.517 | - | - | - | - | - | - | - | - | - |
| Subtotal: Non Recurring Cost | - | - | - | - | - | - | - | - | 2.517 | - | - | - | - | - | - | - | - | - |

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| Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command | | | | | | | | | | | | | Date: February 2020 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | P-1 Line Item Number / Title: 0607U28 / U-28 | | | | | | Item Number / Title [DODIC]: U-28 Systems | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | | | 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 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| Subtotal: Hardware - 6 - High Power Antenna Cost | - | - | - | - | - | - | - | - | 7.117 | - | - | - | - | - | - | - | - | - |
| Hardware - 7 - Alternate Precision Location and Timing (Alt PNT) Cost | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | |
| 7.1 Alt PNT System | - | - | - | 0.408 | 29 | 11.832 | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.2 First Article | - | - | - | 1.668 | 1 | 1.668 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Recurring Cost | - | - | - | - | - | 13.500 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Hardware - 7 - Alternate Precision Location and Timing (Alt PNT) Cost | - | - | - | - | - | 13.500 | - | - | - | - | - | - | - | - | - | - | - | - |
| Hardware - 8 - Hardware - Radar Warning Capability Cost | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | |
| 8.1 Radar Warning Capability - OCO | - | - | - | 0.249 | 29 | 7.213 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.2 First Article | - | - | - | 0.987 | 1 | 0.987 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Recurring Cost | - | - | - | - | - | 8.200 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Hardware - 8 - Hardware - Radar Warning Capability Cost | - | - | - | - | - | 8.200 | - | - | - | - | - | - | - | - | - | - | - | - |
| Hardware - 9 - Prior Year Cost | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | |
| 9.1 Prior Year Costs | - | - | 200.789 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Recurring Cost | - | - | 200.789 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Hardware - 9 - Prior Year Cost | - | - | 200.789 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost | - | - | 243.831 | - | - | 105.723 | - | - | 42.398 | - | - | 3.825 | - | - | - | - | - | 3.825 |
| (†) indicates the presence of a P-5a | | | | | | | | | | | | | | | | | | |

(†) indicates the presence of a P-5a

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| Exhibit P-5a, Procurement History and Planning: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0607U28 / U-28 | | | | Item Number / Title [DODIC]: U-28 Systems | | | |

| Cost Elements | O C O | FY | Contractor and Location | Method/Type or Funding Vehicle | Location of PCO | Award Date | Date of First Delivery | Qty (Each) | Unit Cost (\$ M) | Specs Avail Now? | Date Revision Available | RFP Issue Date |
|--|-------------|------|-------------------------|--------------------------------------|--------------------------|---------------|------------------------------|---------------|---------------------|------------------------|-------------------------------|-------------------|
| 1.2 Enhanced Ground Proximity Warning System (EGPWS) Overseas Contingency Operations (OCO) | ✓ | 2019 | SNC / Centennial, CO | C / CPFF | Wright-Patterson AFB, OH | Jul 2019 | Feb 2020 | 35 | 0.067 | | | |
| 1.3 EGPWS Spares OCO | ✓ | 2019 | SNC / Centennial, CO | C / CPFF | Wright-Patterson AFB, OH | Jul 2019 | Mar 2020 | 10 | 0.067 | | | |
| 2.1 MTD | | 2019 | SNC / Centennial, CO | C / CPFF | Wright-Patterson AFB, OH | Jun 2019 | May 2020 | 2 | 14.263 | N | | |
| 3.1 ADS-B Upgrade OCO | ✓ | 2019 | SNC / Centennial, CO | C / CPFF | Wright-Patterson AFB, OH | Aug 2019 | Feb 2020 | 34 | 0.133 | | | |
| 4.1 EQ to EQ+ Modification OCO | ✓ | 2020 | SNC / Centennial, CO | C / CPFF | Wright-Patterson AFB, OH | Apr 2020 | Oct 2020 | 4 | 7.875 | | | |
| 4.2 PC-12 to EQ+ OCO | ✓ | 2019 | SNC / Centennial, CO | C / CPFF | Wright-Patterson AFB, OH | Apr 2019 | Nov 2019 | 2 | 16.000 | | | |
| 5.1 Mission Equipment Racks OCO | ✓ | 2019 | SNC / Centennial, CO | C / CPFF | Wright-Patterson AFB, OH | Jul 2019 | Jan 2020 | 13 | 0.500 | | | |
| 6.1 High Power Antenna | | 2020 | SNC / Centennial, CO | C / CPFF | Wright-Patterson AFB, OH | Jul 2020 | Jul 2021 | 25 | 0.184 | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK |
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| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160403BB |
|--|---|--|

Line Item MDAP/MAIS Code: N/A

| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
|--|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 668.390 | 157.892 | 206.093 | 135.482 | - | 135.482 | 132.888 | 135.644 | 138.951 | 141.728 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 668.390 | 157.892 | 206.093 | 135.482 | - | 135.482 | 132.888 | 135.644 | 138.951 | 141.728 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 668.390 | 157.892 | 206.093 | 135.482 | - | 135.482 | 132.888 | 135.644 | 138.951 | 141.728 | Continuing | Continuing |
| (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>) | 19.593 | 11.194 | 16.870 | 14.135 | - | 14.135 | 14.296 | 14.526 | 14.793 | 15.569 | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This P-1 line item funds the MH-47 program. Army Special Operations Aviation (ARSOA) requires a long-term, capable and reliable Special Operations Forces (SOF) heavy assault fleet in order to provide organic world wide strategic Rotary Wing operations capable of rapid fielding and deployment as well as long range penetration of hostile tactical areas. ARSOA is authorized 69 highly specialized MH-47G Chinook aircraft, 61 of which are currently sheet metal constructed airframes. Three of the sheet metal aircraft have been lost in combat or pre-deployment training. Operational availability continues to be affected by increased maintenance actions and cost caused by high operational tempo and continuous combat operations within the Special Operations Aviation flight spectrum. Aging airframe fatigue and corrosion issues have necessitated replacement of the remaining 61 MH-47G legacy sheet metal airframes with newly machined airframes which incorporate emerging technologies to maintain mission effectiveness. The remaining eight machined airframes also require a retrofit to incorporate emerging technologies and improvements in machined airframe engineering, while maintaining mission effectiveness and performance across the entire MH-47G BLK II fleet. MFP-2 funds are provided by Army to cover common production, labor, and long lead material costs. This program received Overseas Contingency Operations (OCO) funding in FY 2019 (\$36.500 million) and FY 2020 (\$34.281 million) to replace aircraft battle losses that occurred in FY 2017 and FY 2018. FY 2020 Flyaway Unit Cost includes costs for eight Renew aircraft and one new OCO funded aircraft. Production line overhead costs are being assumed by the MH-47 program in FY 2020; MH-47 unit cost is consequently higher in FY 2020. These capabilities will be pursued via rapid fielding techniques when appropriate.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK |
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| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160403BB |
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Line Item MDAP/MAIS Code: N/A

| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | MH-47 CHINOOK | | | | - / 395.253 | - / - | - / - | - / - | - / - | - / - |
| P-5 | 1 / MH-47 RENEW | P-5a, P-21 | | | 8 / 273.137 | 7 / 157.891 | 9 / 206.093 | 6 / 135.482 | - / - | 6 / 135.482 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 668.390 | - / 157.892 | - / 206.093 | - / 135.482 | - / - | - / 135.482 |

*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:
 FY 2021 PROGRAM JUSTIFICATION: Funds the manufacture of six newly built machined airframes incorporating emerging technologies to maintain mission effectiveness and address aging airframe structural fatigue and corrosion issues. Also funds Government Furnished Equipment (GFE)/SOF-unique mission kits, block modifications, production engineering, publications, and program management. Funds modifications to address emerging threats, safety concerns, reliability and maintainability issues, and improved capabilities.

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK | | | | | | | | Aggregated Items Title: MH-47 CHINOOK | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 1 - MH-47 Chinook | | | | | | | | | | | | | | | | | | | | |
| 1.1 / MH-47 CHINOOK | | | - | - | 395.253 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 1 - MH-47 Chinook | | | - | - | 395.253 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | | | - | - | 395.253 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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

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|--|------------------|------------|-------------------|-----------------------|------------|---|-----------------------|------------|-------------------|------------------|------------|---|------------------|---------------------|-------------------|------------------|------------|-------------------|
| Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK | | | | | | Item Number / Title [DODIC]: 1 / MH-47 RENEW | | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | | | MDAP/MAIS Code: | | | | | | | | |
| Resource Summary | | | | Prior Years | | FY 2019 | | FY 2020 | | FY 2021 Base | | FY 2021 OCO | | FY 2021 Total | | | | |
| Procurement Quantity (Units in Each) | | | | 8 | | 7 | | 9 | | 6 | | - | | 6 | | | | |
| Gross/Weapon System Cost (\$ in Millions) | | | | 273.137 | | 157.891 | | 206.093 | | 135.482 | | - | | 135.482 | | | | |
| Less PY Advance Procurement (\$ in Millions) | | | | - | | - | | - | | - | | - | | - | | | | |
| Net Procurement (P-1) (\$ in Millions) | | | | 273.137 | | 157.891 | | 206.093 | | 135.482 | | - | | 135.482 | | | | |
| Plus CY Advance Procurement (\$ in Millions) | | | | - | | - | | - | | - | | - | | - | | | | |
| Total Obligation Authority (\$ in Millions) | | | | 273.137 | | 157.891 | | 206.093 | | 135.482 | | - | | 135.482 | | | | |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) | | | | | | | | | | | | | | | | | | |
| Initial Spares (\$ in Millions) | | | | - | | - | | - | | - | | - | | - | | | | |
| Gross/Weapon System Unit Cost (\$ in Millions) | | | | - | | - | | - | | - | | - | | - | | | | |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding. | | | | | | | | | | | | | | | | | | |
| Cost Elements | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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 Cost | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | |
| Airframe ^(†) (1) | 19.593 | 8 | 156.741 | 11.194 ⁽²⁾ | 7 | 78.361 | 16.870 ⁽³⁾ | 9 | 151.833 | 14.135 | 6 | 84.811 | - | - | - | 14.135 | 6 | 84.811 |
| Subtotal: Recurring Cost | - | - | 156.741 | - | - | 78.361 | - | - | 151.833 | - | - | 84.811 | - | - | - | - | - | 84.811 |
| Subtotal: Flyaway Cost | - | - | 156.741 | - | - | 78.361 | - | - | 151.833 | - | - | 84.811 | - | - | - | - | - | 84.811 |
| Hardware Cost | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | |
| Government Furnished Equipment (GFE) ⁽⁴⁾ | - | - | 2.630 | - | - | 19.683 | - | - | 15.626 | - | - | 17.976 | - | - | - | - | - | 17.976 |
| GFE (OCO) | - | - | 10.270 | - | - | 8.290 | - | - | 6.129 | - | - | - | - | - | - | - | - | - |
| GFE (CONG) | - | - | 11.196 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Aircraft Survivability Equipment (ASE) (OCO) | - | - | - | - | - | 6.231 | - | - | 2.901 | - | - | - | - | - | - | - | - | - |
| ASE (CONG) | - | - | 30.351 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Silent Knight Radar (SKR) (OCO) | - | - | - | - | - | 3.040 | - | - | 3.570 | - | - | - | - | - | - | - | - | - |
| SKR (CONG) | - | - | 13.052 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Avionics (CONG) | - | - | 1.910 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Recurring Cost | - | - | 69.409 | - | - | 37.244 | - | - | 28.226 | - | - | 17.976 | - | - | - | - | - | 17.976 |
| Subtotal: Hardware Cost | - | - | 69.409 | - | - | 37.244 | - | - | 28.226 | - | - | 17.976 | - | - | - | - | - | 17.976 |
| Support Cost | | | | | | | | | | | | | | | | | | |

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| Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK | | | | | Item Number / Title [DODIC]: 1 / MH-47 RENEW | | | |

| | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|------------------------|--|--|--|
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | | | 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 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| Block Modifications | - | - | 5.665 | - | - | 20.334 | - | - | 13.410 | - | - | 16.173 | - | - | - | - | - | 16.173 |
| Post Production Modifications (CONG) | - | - | 1.100 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Production Engineering (5) | - | - | 34.525 | - | - | 19.219 | - | - | 7.342 | - | - | 10.642 | - | - | - | - | - | 10.642 |
| Publication/Tech Data | - | - | 3.359 | - | - | - | - | - | 3.000 | - | - | 3.000 | - | - | - | - | - | 3.000 |
| Program Management | - | - | 2.338 | - | - | 2.733 | - | - | 2.282 | - | - | 2.880 | - | - | - | - | - | 2.880 |
| <i>Subtotal: Support Cost</i> | - | - | 46.987 | - | - | 42.286 | - | - | 26.034 | - | - | 32.695 | - | - | - | - | - | 32.695 |
| Gross/Weapon System Cost | - | 8 | 273.137 | - | 7 | 157.891 | - | 9 | 206.093 | - | 6 | 135.482 | - | - | - | - | 6 | 135.482 |

(t) indicates the presence of a P-5a

Footnotes:

- (1) Boeing: Sole Source Original Equipment Manufacturer. Due to DTIC system constraints, Airframe Base and OCO quantities in FY19 and FY20 are combined but have significantly different costs. Due to fewer CH-47F procurements beginning in FY21, production line overhead costs are being assumed by the MH-47 program in FY20; MH-47 unit cost is consequently higher in FY20.
- (2) FY19 Airframe Unit Costs include both Renew and New (OCO funded) aircraft which have significantly different costs.
- (3) FY20 Airframe Unit Costs include both Renew and New (OCO funded) aircraft which have significantly different costs.
- (4) GFE increase after FY20 due to reduced amount of salvaged equipment, resulting in increased GFE costs.
- (5) Production Engineering increase due to Lot 4 flight tests and shipboard dynamic interface testing.

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| Exhibit P-5a, Procurement History and Planning: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK | | | | Item Number / Title [DODIC]: 1 / MH-47 RENEW | | | | |

| Cost Elements | O C O | FY | Contractor and Location | Method/Type or Funding Vehicle | Location of PCO | Award Date | Date of First Delivery | Qty (Each) | Unit Cost (\$ M) | Specs Avail Now? | Date Revision Available | RFP Issue Date |
|-------------------------|-------------|---------------------|---------------------------|--------------------------------------|-----------------|---------------|------------------------------|---------------|-----------------------|------------------------|-------------------------------|-------------------|
| Airframe ^(†) | | 2018 ⁽⁶⁾ | Boeing / Philadelphia, PA | SS / CPFF | Fort Eustis, VA | Jul 2018 | Aug 2020 | 8 | 19.593 | Y | | Nov 2016 |
| Airframe ^(†) | | 2019 | Boeing / Philadelphia, PA | SS / CPFF | Fort Eustis, VA | Jun 2019 | Jul 2021 | 6 | 9.904 | Y | | Jun 2018 |
| Airframe ^(†) | ✓ | 2019 | Boeing / Philadelphia, PA | SS / CPFF | Fort Eustis, VA | Jun 2019 | Jun 2022 | 1 | 18.939 | Y | | Jun 2018 |
| Airframe ^(†) | | 2020 | Boeing / Philadelphia, PA | SS / FFP | Fort Eustis, VA | Jun 2020 | Jul 2022 | 8 | 16.269 ⁽⁷⁾ | Y | | Nov 2018 |
| Airframe ^(†) | ✓ | 2020 | Boeing / Philadelphia, PA | SS / FFP | Fort Eustis, VA | Jun 2020 | Mar 2023 | 1 | 21.681 ⁽⁸⁾ | Y | | Nov 2018 |
| Airframe ^(†) | | 2021 | Boeing / Philadelphia, PA | SS / FFP | Fort Eustis, VA | Jun 2021 | Apr 2023 | 6 | 14.135 | Y | | Dec 2019 |

^(†) indicates the presence of a P-21

Footnotes:

⁽⁶⁾ FY 2018 Airframe costs include four Renew Aircraft and four New (Congressional funded) aircraft which have significantly different cost.

⁽⁷⁾ FY 2020 Airframe unit cost increased due to fewer CH-47F procurements beginning in FY 2021, causing increased production line costs in FY 2020.

⁽⁸⁾ FY 2020 OCO Airframe unit cost increased due to airframe being a new build vice renew of an existing airframe.

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| Exhibit P-21, Production Schedule: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | | | | | | Date: February 2020 | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------|------|---------|----------|----------------------------|---------------------|--------------------|-----|-----|---|-----|-----|-----|-----|-----|-----|--------------------|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | | | | P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK | | | | | | | | | | Item Number / Title [DODIC]: 1 / MH-47 RENEW | | | | | | | | | | | | | | | | | | | | | | | | |
| Cost Elements <i>(Units in Each)</i> | | | | | | | Fiscal Year 2018 | | | | | | | | | | Fiscal Year 2019 | | | | | | | | | | | | | | BALANCE | | | | | | | | | | | | | |
| OCO | MFR # | FY | SERVICE | PROC QTY | ACCEPT PRIOR TO 1 OCT 2017 | BAL DUE AS OF 1 OCT | Calendar Year 2018 | | | | | | | | | | Calendar Year 2019 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | | | | | | | | | | | | | | |
| Airframe ⁽¹⁾ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2018 | SOCOM | 8 | 0 | 8 | | | | | | | | | | | A | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8 | | | | | | | | | |
| | 1 | 2019 | SOCOM | 6 | 0 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | A | - | - | - | - | - | - | - | - | - | - | - | - | 6 |
| ✓ | 1 | 2019 | SOCOM | 1 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | A | - | - | - | - | - | - | - | - | - | - | - | - | 1 |
| | 1 | 2020 | SOCOM | 8 | 0 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 8 | | | |
| ✓ | 1 | 2020 | SOCOM | 1 | 0 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| | 1 | 2021 | SOCOM | 6 | 0 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | | |
| | | | | | | | 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 2021 United States Special Operations Command | | | | | | | | | | | | | | | | | | | | Date: February 2020 | | | | | | | | | | | | | | | | | |
|---|-------|------|---------|----------|----------------------------|---------------------|--------------------|-----|-----|---|-----|-----|-----|-----|-----|-----|--------------------|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|-----|---|-----|---|---|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | | | | P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK | | | | | | | | | | Item Number / Title [DODIC]: 1 / MH-47 RENEW | | | | | | | | | | | | | | | | | |
| 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 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Airframe ⁽¹⁾ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2018 | SOCOM | 8 | 0 | 8 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | 1 | - | 1 | - | 1 | - | - | - | - | 4 | | | | | | |
| | 1 | 2019 | SOCOM | 6 | 0 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | 4 | | | | | | |
| ✓ | 1 | 2019 | SOCOM | 1 | 0 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | | | | | | |
| | 1 | 2020 | SOCOM | 8 | 0 | 8 | | | | | | | | | | | A - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8 | | | | |
| ✓ | 1 | 2020 | SOCOM | 1 | 0 | 1 | | | | | | | | | | | A - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | | | |
| | 1 | 2021 | SOCOM | 6 | 0 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | A - | - | - | - | 6 |
| | | | | | | | 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 2021 United States Special Operations Command | | | | | | | | | | | | | | | | | | | | Date: February 2020 | | | | | | | | | | | | | | | | |
|---|-------|------|---------|----------|----------------------------|---------------------|--------------------|-----|-----|---|-----|-----|-----|-----|-----|-----|--------------------|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|---|---|--|---|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | | | | P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK | | | | | | | | | | Item Number / Title [DODIC]: 1 / MH-47 RENEW | | | | | | | | | | | | | | | | |
| Cost Elements <i>(Units in Each)</i> | | | | | | | Fiscal Year 2022 | | | | | | | | | | Fiscal Year 2023 | | | | | | | | | | | | | | BALANCE | | | | | |
| OCO | MFR # | FY | SERVICE | PROC QTY | ACCEPT PRIOR TO 1 OCT 2021 | BAL DUE AS OF 1 OCT | Calendar Year 2022 | | | | | | | | | | Calendar Year 2023 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | | | | | | |
| Airframe ⁽¹⁾ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2018 | SOCOM | 8 | 4 | 4 | 1 | - | 1 | - | 1 | - | 1 | | | | | | | | | | | | | | | | | | | 0 | | | | |
| | 1 | 2019 | SOCOM | 6 | 2 | 4 | - | 1 | - | 1 | - | 1 | - | 1 | | | | | | | | | | | | | | | | | | | 0 | | | |
| ✓ | 1 | 2019 | SOCOM | 1 | 0 | 1 | - | - | - | - | - | - | - | - | 1 | | | | | | | | | | | | | | | | | | | 0 | | |
| | 1 | 2020 | SOCOM | 8 | 0 | 8 | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | | | | | |
| ✓ | 1 | 2020 | SOCOM | 1 | 0 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | | | | | | | | | | | 0 |
| | 1 | 2021 | SOCOM | 6 | 0 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | 1 | - | 2 | | | | | |
| | | | | | | | 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 2021 United States Special Operations Command | | | | | | | | | | | | | | | | | | | Date: February 2020 | | | | | | | | | | | | | |
|---|-------|------|---------|----------|----------------------------|---------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------|---|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK | | | | | | | | | | | | Item Number / Title [DODIC]: 1 / MH-47 RENEW | | | | | | | | | | | | | |
| Cost Elements <i>(Units in Each)</i> | | | | | | | Fiscal Year 2024 | | | | | | | | | | | | Fiscal Year 2025 | | | | | | | | | | | | BALANCE | |
| OCO | MFR # | FY | SERVICE | PROC QTY | ACCEPT PRIOR TO 1 OCT 2023 | BAL DUE AS OF 1 OCT | Calendar Year 2024 | | | | | | | | | | | | Calendar Year 2025 | | | | | | | | | | | | | |
| | | | | | | | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | | |
| Airframe ⁽¹⁾ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2018 | SOCOM | 8 | 8 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| | 1 | 2019 | SOCOM | 6 | 6 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| ✓ | 1 | 2019 | SOCOM | 1 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| | 1 | 2020 | SOCOM | 8 | 8 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| ✓ | 1 | 2020 | SOCOM | 1 | 1 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| | 1 | 2021 | SOCOM | 6 | 4 | 2 | 1 | - | 1 | | | | | | | | | | | | | | | | | | | | | | 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 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 0610MH47 / MH-47 CHINOOK | | | | Item Number / Title [DODIC]: 1 / MH-47 RENEW | | | |

| MFR Ref # | Manufacturer Name - Location | Production Rates (Each / Month) | | | Procurement Leadtime (Months) | | | | | | | |
|-----------------|---------------------------------|---------------------------------|----------------|--------------|-------------------------------|--------------------|----------------------|----------------------|-----------------------|--------------------|----------------------|----------------------|
| | | MSR For 2021 | 1-8-5 For 2021 | MAX For 2021 | 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 | Boeing - Philadelphia, PA | 2 ⁽⁹⁾ | 2 | 6 | 11 | 10 | 25 | 35 | 0 | 9 | 22 | 31 |

"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).

Footnotes:

⁽⁹⁾ Minimum Production Rate for Boeing being met by a combination of United States Special Operations Command (USSOCOM) funded MH-47 aircraft, Army funded CH-47 aircraft, Foreign Military Sales aircraft, and Direct Commercial Sales aircraft.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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|---|---|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION |
|---|---|

| | | |
|--|---|---|
| ID Code (A=Service Ready, B=Not Service Ready): A | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160403BB, 1160421BB |
|--|---|---|

Line Item MDAP/MAIS Code: N/A

| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
|---|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|------------|
| Procurement Quantity <i>(Units in Each)</i> | 52 | - | - | - | - | - | - | - | - | - | Continuing | Continuing |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 1,786.116 | 34.029 | 17.256 | 14.829 | - | 14.829 | 38.770 | 45.569 | 70.188 | 71.591 | Continuing | Continuing |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | 1,786.116 | 34.029 | 17.256 | 14.829 | - | 14.829 | 38.770 | 45.569 | 70.188 | 71.591 | Continuing | Continuing |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 1,786.116 | 34.029 | 17.256 | 14.829 | - | 14.829 | 38.770 | 45.569 | 70.188 | 71.591 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | 232.226 | - | - | - | - | - | 3.444 | 3.390 | 10.020 | 10.001 | Continuing | Continuing |
| Flyaway Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

The CV-22 Special Operations Forces (SOF) Modification line item funds the SOF variant of the V-22 vertical medium lift, multi-mission aircraft and associated training systems. The CV-22 provides long-range, high-speed infiltration, exfiltration, and resupply to SOF in hostile, denied, and politically sensitive areas. The Navy is the lead service for the Joint V-22 program and is responsible for managing and funding the development of the MV-22 and CMV-22, as well as the Block 0 portion of the CV-22. The Air Force funds the service common portion while United States Special Operations Command (USSOCOM) funds the development and procurement of SOF peculiar systems of Block 10 and 20. Budgeted modification programs include but are not limited to defensive/survivability systems, situational awareness systems, SOF Common Terrain Following/Terrain Avoidance TF/TA) Silent Knight Radar (SKR), SOF Communications, flight director, weapons integration, and Intelligence, Surveillance, and Reconnaissance (ISR) systems. The CV-22 Low Cost Modification (LCM) program addresses fielded deficiencies, obsolescence, reliability, and maintainability issues. The CV-22 Simulator Block Update (SBUD) program upgrades legacy CV-22 aircrew training device capabilities by addressing concurrency, obsolescence, and fidelity training issues. These capabilities will be pursued via rapid fielding techniques when appropriate.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION |
|---|---|

| | | |
|--|---|---|
| ID Code (A=Service Ready, B=Not Service Ready): A | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160403BB, 1160421BB |
|--|---|---|

Line Item MDAP/MAIS Code: N/A

| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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-3a | 1 / CV-22 Block 20 Upgrades (Added Capability) | | | | - / 175.671 | - / 26.172 | - / 11.862 | - / 6.190 | - / - | - / 6.190 |
| P-3a | 2 / CV-22 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) (Added Capability) | | | | - / - | - / - | - / 0.498 | - / 3.544 | - / - | - / 3.544 |
| P-40a | CV-22 System | | | | - / 1,610.445 | - / 7.857 | - / 4.896 | - / 5.095 | - / - | - / 5.095 |
| P-40 | Total Gross/Weapon System Cost | | | | 52 / 1,786.116 | - / 34.029 | - / 17.256 | - / 14.829 | - / - | - / 14.829 |

| Exhibits Schedule | | | | | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | 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-3a | 1 / CV-22 Block 20 Upgrades (Added Capability) | | | | - / 8.831 | - / 3.567 | - / 6.735 | - / 6.936 | Continuing | Continuing |
| P-3a | 2 / CV-22 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) (Added Capability) | | | | - / 24.737 | - / 36.663 | - / 54.826 | - / 55.856 | Continuing | Continuing |
| P-40a | CV-22 System | | | | - / - | - / - | - / - | - / - | - / - | - / - |
| P-40 | Total Gross/Weapon System Cost | | | | - / 38.770 | - / 45.569 | - / 70.188 | - / 71.591 | Continuing | Continuing |

*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:

FY 2021 PROGRAM JUSTIFICATION: Funds system upgrades to bring delivered CV-22 aircraft up to Block 20 configuration and addresses SOF-unique CV-22 training concurrency, obsolescence and fidelity issues. These Block 20 upgrades include, but not limited to, Color Helmet Mounted Display kits (CHMD), Suite of Integrated Radio Frequency Countermeasures (SIRFC) Correction of Deficiencies (COD) kits, and Full-azimuth Defensive Weapon System (FDWS) kits. Block 20 also includes Engineering Change Program (ECP) Non-recurring engineering, training equipment, support equipment, technical support, flight test, and 12 CHMD installations. Funds SOF Common TF/TA SKR A-Kits and one B-Kit. Funds LCMs and SBUDSs to address fielded deficiencies, obsolescence, reliability, and maintainability.

The SKR program office will award a 3-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Current unit quantities and costs reflect existing Indefinite Delivery/Indefinite Quantity (IDIQ) contract pricing. Per unit cost and quantities will be updated following contract award in 1QFY21. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program. This MYP plans to award SKRs with funding in the following P-1 Line Item Title: Rotary Wing Upgrades and Sustainment, CV-22 Modifications, and AC/MC-130J.

Efforts with funding starting in FY 2022 through FY 2025 are summarized on the P-40. Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:

- (a) FY 2022 Cost Delta: 5.202 million
- (b) FY 2023 Cost Delta: 5.339 million
- (c) FY 2024 Cost Delta: 8.627 million
- (d) FY 2025 Cost Delta: 8.799 million

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION |
| ID Code (A=Service Ready, B=Not Service Ready): A | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160403BB, 1160421BB |
| Line Item MDAP/MAIS Code: N/A | | |
| <div>(e) To Complete and Total Delta: Continuing</div> | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION | | | | Modification Number / Title: 1 / CV-22 Block 20 Upgrades | | | |

| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | MDAP/MAIS Code: | | | | | | |
|---|-------------|---------|---------|--------------|-------------|-----------------|---------|---------|---------|---------|-------------|------------|
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 175.671 | 26.172 | 11.862 | 6.190 | - | 6.190 | 8.831 | 3.567 | 6.735 | 6.936 | Continuing | Continuing |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | 175.671 | 26.172 | 11.862 | 6.190 | - | 6.190 | 8.831 | 3.567 | 6.735 | 6.936 | Continuing | Continuing |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 175.671 | 26.172 | 11.862 | 6.190 | - | 6.190 | 8.831 | 3.567 | 6.735 | 6.936 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This line funds the retrofit of fielded CV-22 aircraft and related equipment. The CV-22 modification program includes, but is not limited to, efforts that (1) improve operational safety, suitability, survivability, situational awareness, communications, Intelligence, Surveillance, and Reconnaissance (ISR), and effectiveness, (2) correct deficiencies identified during operational testing and/or field operations, (3) improve reliability/maintainability of the aircraft, (4) enhance defensive systems and self-deployment capabilities, and (5) modify aircraft to common configuration. Block 20 modifications include, but are not limited to the following systems: Cabin Lighting, Color Helmet Mounted Displays (CHMD), Full-azimuth Defensive Weapon System, and Electronic Warfare Upgrades. The United States Air Force MFP-4 and USSOCOM MFP-11 modification budgets fund CV-22 modifications. USSOCOM MFP-11 funds Special Operations Forces (SOF) specific modifications, and USAF MFP-4 funds modifications that are common with other USAF platforms and/or with the joint V-22 program. This budget line item also includes funds to upgrade CV-22 support equipment, training equipment, and weapon system software with changes driven by aircraft Engineering Change Proposals (ECPs).

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION | | | | | | Modification Number / Title: 1 / CV-22 Block 20 Upgrades | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | MDAP/MAIS Code: | | | | | |
| Models of Systems Affected: CV-22 | | | | Modification Type: Added Capability | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 1160403BB | - / - | - / - | - / 0.494 | - / 2.129 | - / - | - / 2.129 | - / 9.634 | - / 17.942 | - / 18.360 | - / 18.727 | - / 0.000 | - / 67.286 | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 4: Color Helmet Mounted Display (CHMD) | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Color Helmet Mounted Display | 24 / 7.658 | - / - | 14 / 4.900 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 38 / 12.558 | |
| <i>Subtotal: Recurring</i> | 24 / 7.658 | - / - | 14 / 4.900 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 38 / 12.558 | |
| <i>Subtotal: Color Helmet Mounted Display (CHMD)</i> | 24 / 7.658 | - / - | 14 / 4.900 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 38 / 12.558 | |
| Modification Item 2 of 4: Suite of Integrated Radio Frequency Countermeasures (SIRFC) Correction of Deficiency (COD) | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| SIRFC Correction of Deficiency | 49 / 35.003 | 9 / 11.200 | 6 / 3.823 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 64 / 50.026 | |
| <i>Subtotal: Recurring</i> | 49 / 35.003 | 9 / 11.200 | 6 / 3.823 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 64 / 50.026 | |
| <i>Subtotal: Suite of Integrated Radio Frequency Countermeasures (SIRFC) Correction of Deficiency (COD)</i> | 49 / 35.003 | 9 / 11.200 | 6 / 3.823 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 64 / 50.026 | |
| Modification Item 3 of 4: Full-azimuth Defensive Weapon System (FDWS) | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Full-azimuth Defensive Weapon System (FDWS) | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 4.793 | - / 4.811 | - / - | - / 9.604 | |
| <i>Subtotal: Recurring</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 4.793 | - / 4.811 | - / - | - / 9.604 | |
| <i>Subtotal: Full-azimuth Defensive Weapon System (FDWS)</i> | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 4.793 | - / 4.811 | - / - | - / 9.604 | |
| Modification Item 4 of 4: Prior Year Funding | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Prior Year Funding | 233 / 73.179 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 233 / 73.179 | |
| <i>Subtotal: Recurring</i> | 233 / 73.179 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 233 / 73.179 | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION | | | | | | Modification Number / Title: 1 / CV-22 Block 20 Upgrades | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | | | |
| Models of Systems Affected: CV-22 | | | Modification Type: Added Capability | | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| | | | | | | | | | | | | | |
| Subtotal: Prior Year Funding | 233 / 73.179 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 233 / 73.179 | |
| Subtotal: Procurement, All Modification Items | - / 115.840 | - / 11.200 | - / 8.723 | - / - | - / - | - / - | - / - | - / - | - / 4.793 | - / 4.811 | - / - | - / 145.367 | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| ECP Non-recurring Engineering | - / 30.386 | - / 5.873 | - / - | - / 1.661 | - / - | - / 1.661 | - / 2.620 | - / 0.750 | - / - | - / - | Continuing | Continuing | |
| Training Equipment | - / 8.776 | - / 0.600 | - / 0.720 | - / 0.970 | - / - | - / 0.970 | - / 1.800 | - / 0.700 | - / 0.300 | - / 0.306 | Continuing | Continuing | |
| Support Equipment | - / 3.552 | - / 4.200 | - / - | - / 0.750 | - / - | - / 0.750 | - / 1.816 | - / 0.705 | - / 0.222 | - / 0.371 | Continuing | Continuing | |
| Technical Support | - / 5.826 | - / 3.658 | - / 0.977 | - / 1.456 | - / - | - / 1.456 | - / 1.734 | - / 0.901 | - / 0.905 | - / 0.923 | Continuing | Continuing | |
| Flight Test | - / 4.518 | - / 0.641 | - / 0.772 | - / 0.500 | - / - | - / 0.500 | - / 0.506 | - / 0.511 | - / 0.515 | - / 0.525 | Continuing | Continuing | |
| Subtotal: Support | - / 53.058 | - / 14.972 | - / 2.469 | - / 5.337 | - / - | - / 5.337 | - / 8.476 | - / 3.567 | - / 1.942 | - / 2.125 | Continuing | Continuing | |
| Installation | | | | | | | | | | | | | |
| Modification Item 1 of 4: Color Helmet Mounted Display (CHMD) | 8 / 0.480 | - / - | 11 / 0.670 | 12 / 0.853 | - / - | 12 / 0.853 | 5 / 0.355 | - / - | - / - | - / - | - / - | 36 / 2.358 | |
| Modification Item 4 of 4: Prior Year Funding | 173 / 6.293 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 173 / 6.293 | |
| Subtotal: Installation | - / 6.773 | - / - | - / 0.670 | - / 0.853 | - / - | - / 0.853 | - / 0.355 | - / - | - / - | - / - | - / - | - / 8.651 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 175.671 | 26.172 | 11.862 | 6.190 | - | 6.190 | 8.831 | 3.567 | 6.735 | 6.936 | Continuing | Continuing | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | | | | | | | | | | | | | | | | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | | | | P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION | | | | | | | | | | Modification Number / Title: 1 / CV-22 Block 20 Upgrades | | | | | | | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | | | | | | | | MDAP/MAIS Code: | | | | | | | | | | | | | | | | |
| Modification Item 1 of 4: Color Helmet Mounted Display (CHMD) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manufacturer Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manufacturer Name: Bell-Boeing | | | | | | | | | | | | | | | Manufacturer Location: Amarillo, TX | | | | | | | | | | | | | | | | |
| Administrative Leadtime (in Months): 1 | | | | | | | | | | | | | | | Production Leadtime (in Months): 18 | | | | | | | | | | | | | | | | |
| Dates | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | | FY 2025 | | | | | |
| Contract Dates | | Nov 2018 | | | | Feb 2020 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Dates | | Jun 2019 | | | | Aug 2021 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Method of Implementation: Contractor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Cost | | Prior Years | FY 2019 | | FY 2020 | | FY 2021 Base | | FY 2021 OCO | | FY 2021 Total | | FY 2022 | | FY 2023 | | FY 2024 | | FY 2025 | | To Complete | | Total | | | | | | | | |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | | | | | | | |
| Prior Years | | 8 / 0.480 | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | 8 / 0.480 | | | | | | | |
| FY 2019 | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | | | | | | |
| FY 2020 | | - / - | | - / - | | 11 / 0.670 | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | 11 / 0.670 | | | | | | | |
| FY 2021 | | - / - | | - / - | | - / - | | 12 / 0.853 | | - / - | | 12 / 0.853 | | - / - | | - / - | | - / - | | - / - | | - / - | | 12 / 0.853 | | | | | | | |
| FY 2022 | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | 5 / 0.355 | | - / - | | - / - | | - / - | | - / - | | 5 / 0.355 | | | | | | | |
| FY 2023 | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | | | | | | |
| FY 2024 | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | | | | | | |
| FY 2025 | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | | | | | | |
| To Complete | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | | | | | | |
| Total | | 8 / 0.480 | | - / - | | 11 / 0.670 | | 12 / 0.853 | | - / - | | 12 / 0.853 | | 5 / 0.355 | | - / - | | - / - | | - / - | | - / - | | 36 / 2.358 | | | | | | | |
| Installation Schedule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PYS | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | | FY 2025 | | | | TC | Tot |
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 8 | - | - | - | - | 2 | 2 | 3 | 4 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | | |
| Out | 8 | - | - | - | - | 4 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | Date: February 2020 | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION | | | Modification Number / Title: 1 / CV-22 Block 20 Upgrades | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | MDAP/MAIS Code: | | | |
| Modification Item 2 of 4: Suite of Integrated Radio Frequency Countermeasures (SIRFC) Correction of Deficiency (COD) | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Harris | | | | Manufacturer Location: Clifton, NJ | | | |
| Administrative Leadtime (in Months): 2 | | | | Production Leadtime (in Months): 20 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | Dec 2018 | Dec 2019 | | | | | |
| Delivery Dates | Aug 2020 | Aug 2021 | | | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Organizational (O-Level) | | | | | | Installation Quantity: 52 | |
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | Date: February 2020 | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION | | | Modification Number / Title: 1 / CV-22 Block 20 Upgrades | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | MDAP/MAIS Code: | | |
| Modification Item 3 of 4: Full-azimuth Defensive Weapon System (FDWS) | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Competitive Award | | | | | Manufacturer Location: TBD | | |
| Administrative Leadtime (in Months): | | | | | Production Leadtime (in Months): | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | | | | | | Jan 2024 | Jan 2025 |
| Delivery Dates | | | | | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Organizational (O-Level) | | | | | | Installation Quantity: 52 | |
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | | | | | | | | | | | | | | | | | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | | | | P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION | | | | | | | | | | Modification Number / Title: 1 / CV-22 Block 20 Upgrades | | | | | | | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | | | | | | | | MDAP/MAIS Code: | | | | | | | | | | | | | | | | |
| Modification Item 4 of 4: Prior Year Funding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manufacturer Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manufacturer Name: Bell_Boeing | | | | | | | | | | | | | | | Manufacturer Location: Amarillo TX | | | | | | | | | | | | | | | | |
| Administrative Leadtime (in Months): 7 | | | | | | | | | | | | | | | Production Leadtime (in Months): 13 | | | | | | | | | | | | | | | | |
| Dates | | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | | FY 2025 | | | | | |
| Contract Dates | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delivery Dates | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Method of Implementation: Contractor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation Cost | | Prior Years | FY 2019 | | FY 2020 | | FY 2021 Base | | FY 2021 OCO | | FY 2021 Total | | FY 2022 | | FY 2023 | | FY 2024 | | FY 2025 | | To Complete | | Total | | | | | | | | |
| | | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | Qty (Each) / Total Cost (\$ M) | | | | | | | | |
| Prior Years | | 173 / 6.293 | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | 173 / 6.293 | | | | | | |
| FY 2019 | | - / - | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | | | | | |
| FY 2020 | | - / - | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | | | | | |
| FY 2021 | | - / - | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | | | | | |
| FY 2022 | | - / - | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | | | | | |
| FY 2023 | | - / - | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | | | | | |
| FY 2024 | | - / - | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | | | | | |
| FY 2025 | | - / - | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | | | | | |
| To Complete | | - / - | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | | | | | |
| Total | | 173 / 6.293 | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | - / - | | 173 / 6.293 | | | | | | |
| Installation Schedule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PYS | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | | FY 2025 | | | | TC | Tot |
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | 173 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 173 |
| Out | 173 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 173 |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION | | | | Modification Number / Title: 2 / CV-22 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) | | | |

| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | MDAP/MAIS Code: | | | | | | |
|--|-------------|---------|---------|--------------|-------------|-----------------|---------|---------|---------|---------|-------------|------------|
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | - | - | 0.498 | 3.544 | - | 3.544 | 24.737 | 36.663 | 54.826 | 55.856 | Continuing | Continuing |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | - | - | 0.498 | 3.544 | - | 3.544 | 24.737 | 36.663 | 54.826 | 55.856 | Continuing | Continuing |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | - | - | 0.498 | 3.544 | - | 3.544 | 24.737 | 36.663 | 54.826 | 55.856 | Continuing | Continuing |
| (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> | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This line funds the retrofit of fielded CV-22 aircraft and related equipment. The CV-22 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) modification program includes, but is not limited to: SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radars (SKR), SKR Ethernet and network connectivity upgrades, SKR navigational display enhancements, upgrades to correct deficiencies identified during operational testing and/or field operations, and improvements in reliability/maintainability of the SKR system. The United States Air Force MFP-4 and USSOCOM MFP-11 modification budgets fund CV-22 modifications. USSOCOM MFP-11 funds Special Operations Forces (SOF) specific modifications, and USAF MFP-4 funds modifications that are common with other USAF platforms and/or with the joint V-22 program. This budget line item also includes funds to upgrade CV-22 support equipment, training equipment, and weapon system software with changes driven by aircraft Engineering Change Proposals (ECPs).

The SKR program office will award a 3-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Current unit quantities and costs reflect existing Indefinite Delivery Indefinite Quantity (IDIQ) contract pricing. Per unit cost and quantities will be updated following contract award in 1QFY21. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program. This MYP plans to award SKRs with funding in the following P-1 Line Item Title: Rotary Wing Upgrades and Sustainment, CV-22 Modifications, and AC/MC-130J.

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION | | | | | Modification Number / Title: 2 / CV-22 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | | | |
| Models of Systems Affected: CV-22 | | | | Modification Type: Added Capability | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 1160403BB | - / 12.943 | - / 27.344 | - / 27.587 | - / 14.644 | - / - | - / 14.644 | - / - | - / - | - / - | - / - | - / - | - / - | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 1: SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) ⁽¹⁾ | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Silent Knight Radar (SKR) | - / - | - / - | - / - | - / 0.204 | - / - | - / 0.204 | - / 0.624 | - / 1.698 | - / 2.598 | - / 2.650 | Continuing | Continuing | |
| Subtotal: Recurring | - / - | - / - | - / - | - / 0.204 | - / - | - / 0.204 | - / 0.624 | - / 1.698 | - / 2.598 | - / 2.650 | Continuing | Continuing | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Silent Knight Radar (SKR) (CV-22) | - / - | - / - | - / - | 1 / 3.340 | - / - | 1 / 3.340 | 6 / 20.669 | 9 / 30.510 | 12 / 40.080 | 12 / 40.005 | Continuing | Continuing | |
| Initial Spares (Radars) | - / - | - / - | - / - | - / - | - / - | - / - | 1 / 3.444 | 1 / 3.390 | 3 / 10.020 | 3 / 10.001 | Continuing | Continuing | |
| Subtotal: Recurring | - / - | - / - | - / - | 1 / 3.340 | - / - | 1 / 3.340 | 7 / 24.113 | 10 / 33.900 | 15 / 50.100 | 15 / 50.006 | Continuing | Continuing | |
| Subtotal: SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) | - / - | - / - | - / - | 1 / 3.544 | - / - | 1 / 3.544 | 7 / 24.737 | 10 / 35.598 | 15 / 52.698 | 15 / 52.656 | Continuing | Continuing | |
| Subtotal: Procurement, All Modification Items | - / - | - / - | - / - | 1 / 3.544 | - / - | 1 / 3.544 | 7 / 24.737 | 10 / 35.598 | 15 / 52.698 | 15 / 52.656 | Continuing | Continuing | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| Technical Support | - / - | - / - | - / 0.498 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | Continuing | Continuing | |
| Subtotal: Support | - / - | - / - | - / 0.498 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | Continuing | Continuing | |
| Installation | | | | | | | | | | | | | |
| Modification Item 1 of 1: SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 1.065 | 8 / 2.128 | 12 / 3.200 | 26 / 6.923 | 50 / 13.316 | |
| Subtotal: Installation | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 1.065 | 8 / 2.128 | 12 / 3.200 | 26 / 6.923 | 50 / 13.316 | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | - | - | 0.498 | 3.544 | - | 3.544 | 24.737 | 36.663 | 54.826 | 55.856 | Continuing | Continuing | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION | Modification Number / Title: 2 / CV-22 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) |

| | |
|---|------------------------|
| ID Code (A=Service Ready, B=Not Service Ready) : | MDAP/MAIS Code: |
|---|------------------------|

Modification Item 1 of 1: SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR)

Manufacturer Information

| | |
|--|-------------------------------------|
| Manufacturer Name: Raytheon | Manufacturer Location: Forest, MS |
| Administrative Leadtime (in Months): 0 | Production Leadtime (in Months): 16 |

| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
|----------------|---------|---------|----------|----------|----------|----------|----------|
| Contract Dates | | | Nov 2020 | Nov 2021 | Nov 2022 | Nov 2023 | Nov 2024 |
| Delivery Dates | | | Mar 2023 | Mar 2024 | Mar 2025 | Mar 2026 | Mar 2027 |

Installation Information

Method of Implementation: Contractor

| Installation Cost | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| Prior Years | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2019 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2020 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2021 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2022 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - |
| FY 2023 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 1.065 | - / - | - / - | - / - | 4 / 1.065 |
| FY 2024 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 8 / 2.128 | - / - | - / - | 8 / 2.128 |
| FY 2025 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 12 / 3.200 | - / - | 12 / 3.200 |
| To Complete | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 26 / 6.923 | 26 / 6.923 |
| Total | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 4 / 1.065 | 8 / 2.128 | 12 / 3.200 | 26 / 6.923 | 50 / 13.316 |

Installation Schedule

| | PYS | FY 2019 | | | | FY 2020 | | | | FY 2021 | | | | FY 2022 | | | | FY 2023 | | | | FY 2024 | | | | FY 2025 | | | | TC | Tot |
|-----|-----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|----|-----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | | |
| In | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 26 | 50 |
| Out | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 26 | 50 |

Footnotes:

⁽¹⁾ The SKR program office will award a 3-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Per unit cost and quantities will be updated following contract award in 1QFY21. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program.

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|---|------------|-------------------|------------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | P-1 Line Item Number / Title: 1000CV2200 / CV-22 MODIFICATION | | | | | | | | | Aggregated Items Title: CV-22 System | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 1 - CV-22 Low Cost Modifications | | | | | | | | | | | | | | | | | | | | |
| 1.1 / CV-22 Low Cost Modifications | | | - | - | 6.813 | - | - | 1.950 | - | - | 1.980 | - | - | 2.020 | - | - | - | - | - | 2.020 |
| Subtotal: 1 - CV-22 Low Cost Modifications | | | - | - | 6.813 | - | - | 1.950 | - | - | 1.980 | - | - | 2.020 | - | - | - | - | - | 2.020 |
| 2 - CV-22 Mission Training and Preparation Systems | | | | | | | | | | | | | | | | | | | | |
| 2.1 / CV-22 Simulator Block Upgrades | | | - | - | 33.920 | - | - | 5.907 | - | - | 2.916 | - | - | 3.075 | - | - | - | - | - | 3.075 |
| Subtotal: 2 - CV-22 Mission Training and Preparation Systems | | | - | - | 33.920 | - | - | 5.907 | - | - | 2.916 | - | - | 3.075 | - | - | - | - | - | 3.075 |
| Prior Year | | | | | | | | | | | | | | | | | | | | |
| Prior Year Recurring | | | 18.438 | 52 | 958.772 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 3.2 / Prior Year Non-Recurring | | | - | - | 610.940 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Subtotal: Prior Year | | | - | - | 1,569.712 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Total | | | - | - | 1,610.445 | - | - | 7.857 | - | - | 4.896 | - | - | 5.095 | - | - | - | - | - | 5.095 |

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

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|---|--------------------|----------------|----------------|---|--------------------|----------------------|--|--|----------------|----------------------------|--------------------|-------------------|
| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | | P-1 Line Item Number / Title: 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: N/A | | | | Other Related Program Elements: 1105219BB | | | | |
| Line Item MDAP/MAIS Code: N/A | | | | | | | | | | | | |
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 277.897 | 24.621 | 7.238 | 6.746 | - | 6.746 | 8.442 | 13.571 | 14.325 | 14.682 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 277.897 | 24.621 | 7.238 | 6.746 | - | 6.746 | 8.442 | 13.571 | 14.325 | 14.682 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 277.897 | 24.621 | 7.238 | 6.746 | - | 6.746 | 8.442 | 13.571 | 14.325 | 14.682 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Description: The MQ-9 Unmanned Aerial Vehicle (UAV) line item funds the acquisition and rapid fielding of Special Operations Forces (SOF) unique mission kits, payloads, weaponization, modifications, production support for MQ-9 UAVs, Ground Control Stations (GCSs), and training systems. USSOCOM is designated the DoD lead for planning, synchronizing, and as directed, executing global operations against terrorist networks. As the combatant command executing these operations, USSOCOM requires the capability to find, fix, finish, exploit, and analyze time-sensitive high-value targets. These targets can often only be identified with patient collection of information and require rapid, decisive action during the short periods in which they present themselves. This line item addresses the primary areas of Intelligence, Surveillance, Reconnaissance, Target Acquisition, and Strike. This P-1 line item includes FY 2020 direct Overseas Contingency Operations (OCO) funding (\$1.900 million). These capabilities will be pursued via rapid fielding techniques when appropriate. | | | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | |
|---|---------------------------------------|-------------|-------|---|--|--|--|--|--|--|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | P-1 Line Item Number / Title: 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: N/A | | | Other Related Program Elements: 1105219BB | | | |
| Line Item MDAP/MAIS Code: N/A | | | | | | | | | | |
| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | AVIATION | | | | - / 277.897 | - / 24.621 | - / 7.238 | - / 6.746 | - / - | - / 6.746 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 277.897 | - / 24.621 | - / 7.238 | - / 6.746 | - / - | - / 6.746 |
| <small>*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.</small> | | | | | | | | | | |
| <small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small> | | | | | | | | | | |

Justification:

FY 2021 PROGRAM JUSTIFICATION: Leverages other service and activity fielded capabilities in order to rapidly procure SOF-peculiar mission kits, mission payloads, weaponization, modifications, and production support.

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|---|-----------------------------------|-----------------------------|------------------------------------|-----------------------------------|-----------------------------|------------------------------------|--|-----------------------------|------------------------------------|-----------------------------------|-----------------------------|------------------------------------|-----------------------------------|---|------------------------------------|-----------------------------------|-----------------------------|------------------------------------|--|
| Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | P-1 Line Item Number / Title: 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE | | | | | | | Item Number / Title [DODIC]: AVIATION | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | | | MDAP/MAIS Code: | | | | | | | | | |
| Resource Summary | | | | Prior Years | | FY 2019 | | FY 2020 | | FY 2021 Base | | FY 2021 OCO | | FY 2021 Total | | | | | |
| Procurement Quantity <i>(Units in Each)</i> | | | | - | | - | | - | | - | | - | | - | | | | | |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | | | | 277.897 | | 24.621 | | 7.238 | | 6.746 | | - | | 6.746 | | | | | |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | | | | - | | - | | - | | - | | - | | - | | | | | |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | | | | 277.897 | | 24.621 | | 7.238 | | 6.746 | | - | | 6.746 | | | | | |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | | | | - | | - | | - | | - | | - | | - | | | | | |
| Total Obligation Authority <i>(\$ in Millions)</i> | | | | 277.897 | | 24.621 | | 7.238 | | 6.746 | | - | | 6.746 | | | | | |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | | | | - | | - | | - | | - | | - | | - | | | | | |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | | | | - | | - | | - | | - | | - | | - | | | | | |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding. | | | | | | | | | | | | | | | | | | | |
| Cost Elements | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 Total | | | |
| | Unit Cost <i>(\$ M)</i> | Qty <i>(Each)</i> | Total Cost <i>(\$ M)</i> | Unit Cost <i>(\$ M)</i> | Qty <i>(Each)</i> | Total Cost <i>(\$ M)</i> | Unit Cost <i>(\$ M)</i> | Qty <i>(Each)</i> | Total Cost <i>(\$ M)</i> | Unit Cost <i>(\$ M)</i> | Qty <i>(Each)</i> | Total Cost <i>(\$ M)</i> | Unit Cost <i>(\$ M)</i> | Qty <i>(Each)</i> | Total Cost <i>(\$ M)</i> | Unit Cost <i>(\$ M)</i> | Qty <i>(Each)</i> | Total Cost <i>(\$ M)</i> | |
| Hardware - MQ-9 Unmanned Aerial Vehicle (UAV) Cost | | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | | |
| Mission Kits, Mission Payloads, Weaponization and Modifications | - | - | 80.933 | - | - | 24.121 | - | - | 4.838 | - | - | 6.246 | - | - | - | - | - | 6.246 | |
| Mission Kits and Mission Payloads OCO | - | - | 14.000 | - | - | - | - | - | 1.900 | - | - | - | - | - | - | - | - | - | |
| Mission Kits OCO - Sante Fe Pod and Modifications | - | - | 5.780 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Production Support | - | - | 5.529 | - | - | 0.500 | - | - | 0.500 | - | - | 0.500 | - | - | - | - | - | 0.500 | |
| Prior Year Funding | - | - | 133.873 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Subtotal: Recurring Cost | - | - | 240.115 | - | - | 24.621 | - | - | 7.238 | - | - | 6.746 | - | - | - | - | - | 6.746 | |
| Non Recurring Cost | | | | | | | | | | | | | | | | | | | |
| Prior Year Funding | - | - | 37.782 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Subtotal: Non Recurring Cost | - | - | 37.782 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Subtotal: Hardware - MQ-9 Unmanned Aerial Vehicle (UAV) Cost | - | - | 277.897 | - | - | 24.621 | - | - | 7.238 | - | - | 6.746 | - | - | - | - | - | 6.746 | |
| Gross/Weapon System Cost | - | - | 277.897 | - | - | 24.621 | - | - | 7.238 | - | - | 6.746 | - | - | - | - | - | 6.746 | |
| Remarks: | | | | | | | | | | | | | | | | | | | |

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| Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | P-1 Line Item Number / Title: 1108MQ9 / MQ-9 UNMANNED AERIAL VEHICLE | Item Number / Title [DODIC]: AVIATION |
| ID Code (A=Service Ready, B=Not Service Ready) : | | MDAP/MAIS Code: |
| Quantities and unit costs vary based on mission requirements established by the operational community within the year of execution. | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | P-1 Line Item Number / Title: 1202PSP / PRECISION STRIKE PACKAGE |
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| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160403BB, 1160429BB |
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Line Item MDAP/MAIS Code: N/A

| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
|---|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 974.065 | 229.674 | 232.930 | 243.111 | - | 243.111 | 167.714 | 141.180 | 134.636 | 137.334 | Continuing | Continuing |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | 974.065 | 229.674 | 232.930 | 243.111 | - | 243.111 | 167.714 | 141.180 | 134.636 | 137.334 | Continuing | Continuing |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 974.065 | 229.674 | 232.930 | 243.111 | - | 243.111 | 167.714 | 141.180 | 134.636 | 137.334 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | 56.417 | 13.443 | 15.128 | 15.431 | - | 15.431 | - | - | - | - | Continuing | Continuing |
| Flyaway Unit Cost <i>(\$ in Millions)</i> | 28.639 | 31.052 | 31.674 | 32.308 | - | 32.308 | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

The Precision Strike Package (PSP) for Special Operations Forces (SOF) funds the procurement, installation, and rapid fielding of the PSP onto various SOF platforms and training devices to provide a close air support, air interdiction, and armed reconnaissance capability including sensors, communications systems, precision guided munition systems, mission operator pallet, gun systems and high energy laser. The recapitalization of the AC-130H, AC-130W, and AC-130U aircraft will be accomplished by installing PSP kits onto MC-130J service provided aircraft. The PSP kit is modular, scalable, and platform agnostic. These capabilities will be pursued via rapid fielding techniques when appropriate.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | P-1 Line Item Number / Title: 1202PSP / PRECISION STRIKE PACKAGE | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | Program Elements for Code B Items: N/A | | | Other Related Program Elements: 1160403BB, 1160429BB | | | | |
| Line Item MDAP/MAIS Code: N/A | | | | | | | | | | |
| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | 1 / Precision Strike Package | P-5a | | | 20 / 974.065 | 5 / 229.674 | 5 / 232.930 | 5 / 243.111 | - / - | 5 / 243.111 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 974.065 | - / 229.674 | - / 232.930 | - / 243.111 | - / - | - / 243.111 |
| <p>*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.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</p> | | | | | | | | | | |
| <p>Justification: FY 2021 PROGRAM JUSTIFICATION: Procures five PSP kits (including the large caliber gun capability), non-recurring AC-130J/W deficiency resolutions, test, hanger lease, technical orders, associated peculiar support equipment (includes installation hardware & special test equipment), contractor support, facilities, travel, initial spares, and other government costs for integration and test onto service provided MC-130J aircraft. Increase in other government costs is due to additional integration and testing of deficiency resolutions for block 30 aircraft to include cybersecurity updates.</p> | | | | | | | | | | |

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| Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command | | | | | | | | | | | | | Date: February 2020 | | | | | |
|--|---------------------|---------------|----------------------|---------------------|---------------|---|---------------------|---------------|----------------------|---------------------|---------------|----------------------|--|---------------|----------------------|---------------------|---------------|----------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | P-1 Line Item Number / Title: 1202PSP / PRECISION STRIKE PACKAGE | | | | | | | Item Number / Title [DODIC]: 1 / Precision Strike Package | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | | MDAP/MAIS Code: | | | | | | | | | |
| Resource Summary | | | | Prior Years | | FY 2019 | | FY 2020 | | FY 2021 Base | | FY 2021 OCO | | FY 2021 Total | | | | |
| Procurement Quantity <i>(Units in Each)</i> | | | | 20 | | 5 | | 5 | | 5 | | - | | 5 | | | | |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | | | | 974.065 | | 229.674 | | 232.930 | | 243.111 | | - | | 243.111 | | | | |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | | | | - | | - | | - | | - | | - | | - | | | | |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | | | | 974.065 | | 229.674 | | 232.930 | | 243.111 | | - | | 243.111 | | | | |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | | | | - | | - | | - | | - | | - | | - | | | | |
| Total Obligation Authority <i>(\$ in Millions)</i> | | | | 974.065 | | 229.674 | | 232.930 | | 243.111 | | - | | 243.111 | | | | |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) | | | | | | | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | | | | 56.417 | | 13.443 | | 15.128 | | 15.431 | | - | | 15.431 | | | | |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | | | | - | | - | | - | | - | | - | | - | | | | |
| Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding. | | | | | | | | | | | | | | | | | | |
| Cost Elements | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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 - Armament/Weapons Delivery Cost | | | | | | | | | | | | | | | | | | |
| Recurring Cost | | | | | | | | | | | | | | | | | | |
| PSP Kit and Installs ^(†) | 24.976 | 19 | 474.546 | 31.052 | 5 | 155.263 | 31.674 | 5 | 158.368 | 32.308 | 5 | 161.540 | - | - | - | 32.308 | 5 | 161.540 |
| PSP Kit OCO | 25.556 | 1 | 25.556 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Prior Year Recurring Costs | - | - | 286.412 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Recurring Cost | - | - | 786.514 | - | - | 155.263 | - | - | 158.368 | - | - | 161.540 | - | - | - | - | - | 161.540 |
| Non Recurring Cost | | | | | | | | | | | | | | | | | | |
| AC-130J Deficiency Resolutions | - | - | 5.280 | - | - | 13.833 | - | - | 14.109 | - | - | 15.830 | - | - | - | - | - | 15.830 |
| AC-130W Deficiency Resolutions | - | - | 12.293 | - | - | 5.663 | - | - | 5.776 | - | - | 5.892 | - | - | - | - | - | 5.892 |
| Test | - | - | - | - | - | 0.903 | - | - | 0.921 | - | - | 0.940 | - | - | - | - | - | 0.940 |
| Prior Year Non-Recurring Costs | - | - | 56.733 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Non Recurring Cost | - | - | 74.306 | - | - | 20.399 | - | - | 20.806 | - | - | 22.662 | - | - | - | - | - | 22.662 |
| Subtotal: Hardware - Armament/Weapons Delivery Cost | - | - | 860.820 | - | - | 175.662 | - | - | 179.174 | - | - | 184.202 | - | - | - | - | - | 184.202 |
| Support - Armament/Weapons Delivery Cost | | | | | | | | | | | | | | | | | | |
| Hanger Lease | - | - | - | - | - | 8.336 | - | - | 8.503 | - | - | 8.673 | - | - | - | - | - | 8.673 |
| Technical Orders | - | - | 1.750 | - | - | 2.250 | - | - | 1.830 | - | - | 2.295 | - | - | - | - | - | 2.295 |

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| Exhibit P-5, Cost Analysis: PB 2021 United States Special Operations Command | | | | | | | | | | | | | Date: February 2020 | | | | | |
|--|---------------------|---------------|----------------------|---------------------|---------------|---|---------------------|---------------|----------------------|---------------------|---------------|----------------------|--|---------------|----------------------|---------------------|---------------|----------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | P-1 Line Item Number / Title: 1202PSP / PRECISION STRIKE PACKAGE | | | | | | | Item Number / Title [DODIC]: 1 / Precision Strike Package | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | | | 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 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| Peculiar Support Equipment | - | - | 12.973 | - | - | 3.452 | - | - | 2.570 | - | - | 3.521 | - | - | - | - | - | 3.521 |
| Contractor Support | - | - | 23.711 | - | - | 19.068 | - | - | 20.833 | - | - | 21.250 | - | - | - | - | - | 21.250 |
| Facilities | - | - | 0.185 | - | - | 1.517 | - | - | 1.624 | - | - | 1.657 | - | - | - | - | - | 1.657 |
| Travel | - | - | 0.630 | - | - | 0.612 | - | - | 0.628 | - | - | 0.641 | - | - | - | - | - | 0.641 |
| Initial Spares | - | - | 56.417 | - | - | 13.443 | - | - | 15.128 | - | - | 15.431 | - | - | - | - | - | 15.431 |
| Other Government Costs | - | - | 17.579 | - | - | 5.334 | - | - | 2.640 | - | - | 5.441 | - | - | - | - | - | 5.441 |
| Subtotal: Support - Armament/Weapons Delivery Cost | - | - | 113.245 | - | - | 54.012 | - | - | 53.756 | - | - | 58.909 | - | - | - | - | - | 58.909 |
| Gross/Weapon System Cost | - | 20 | 974.065 | - | 5 | 229.674 | - | 5 | 232.930 | - | 5 | 243.111 | - | - | - | - | 5 | 243.111 |

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| Exhibit P-5a, Procurement History and Planning: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 1202PSP / PRECISION STRIKE PACKAGE | | | | Item Number / Title [DODIC]: 1 / Precision Strike Package | | | |

| Cost Elements | O C O | FY | Contractor and Location | Method/Type or Funding Vehicle | Location of PCO | Award Date | Date of First Delivery | Qty (Each) | Unit Cost (\$ M) | Specs Avail Now? | Date Revision Available | RFP Issue Date |
|----------------------|-------------|------|-------------------------|--------------------------------------|-----------------|---------------|------------------------------|---------------|---------------------|------------------------|-------------------------------|-------------------|
| PSP Kit and Installs | | 2019 | Various / Various | Various | Various | Mar 2019 | Jun 2020 | 5 | 31.052 | Y | | |
| PSP Kit and Installs | | 2020 | Various / Various | Various | Various | Mar 2020 | Jun 2021 | 5 | 31.674 | Y | | |
| PSP Kit and Installs | | 2021 | Various / Various | Various | Various | Mar 2021 | Jan 2022 | 5 | 32.308 | Y | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: N/A | | | | Other Related Program Elements: 1160403BB | | | | |
| Line Item MDAP/MAIS Code: 0000 | | | | | | | | | | | | |
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 489.854 | 163.181 | 143.232 | 163.914 | - | 163.914 | 213.649 | 296.535 | 322.669 | 333.789 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 489.854 | 163.181 | 143.232 | 163.914 | - | 163.914 | 213.649 | 296.535 | 322.669 | 333.789 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 489.854 | 163.181 | 143.232 | 163.914 | - | 163.914 | 213.649 | 296.535 | 322.669 | 333.789 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | 13.549 | 21.960 | 6.634 | 13.975 | - | 13.975 | 2.338 | 11.198 | 17.424 | 25.850 | Continuing | Continuing |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Description: The AC/MC-130J line funds the replacement and rapid fielding of Special Operations Forces (SOF) capabilities on these aging airframes: 14 MC-130E Combat Talon I, 23 MC-130P Combat Shadow, and 20 MC-130H Combat Talon II aircraft. "AC" strike platforms perform close air support, air interdiction, and armed reconnaissance missions. "MC" mobility platforms perform clandestine or low visibility, single, or multi-ship low-level missions intruding politically-sensitive or hostile territory. The AC/MC-130J project funds core SOF-unique modifications to replace aging/retired legacy strike and mobility C-130 aircraft. The AC-130J Ghost Rider aircraft are modified with the Precision Strike Package (PSP) to replace the AC-130H Spectre (8 of 8 retired), AC-130W Stinger II (3 of 12 retired) and AC-130U Spooky (11 of 17 retired) airframes. The AC-130J aircraft will provide close air support, air interdiction, and armed reconnaissance capability. MC-130J Commando II aircraft are being modified with SOF mission capabilities to replace the MC-130E Combat Talon I (14 of 14 retired), MC-130P Combat Shadow (23 of 23 retired), and MC-130H Combat Talon II (4 of 20 retired) airframes. The MC-130J Commando II provides clandestine, single or multi-ship low-level aerial refueling for special operations helicopters and CV-22 aircraft, and performs airdrops of leaflets, small special operations teams, resupply bundles and combat rubber raiding craft. The Air Force procures and fields the basic aircraft, common support equipment, and Weapon System Trainers (WST). USSOCOM modifies the WST with SOF-peculiar equipment and procures additional training devices for SOF unique mission systems. Rapid fielding and incremental upgrades are used to integrate SOF capabilities onto the aircraft. SOF capabilities include, but are not limited to, real time situational awareness, data fusion, threat detection and avoidance, integrated Terrain Following/Terrain Avoidance (TF/TA), navigation, electronic warfare, dynamic route replanning, and embedded training. Integrating SOF mission systems and automating these capabilities is critical to fielding SOF-capable AC/MC-130J aircraft to recapitalize Air Force Special Operations Command's (AFSOC) legacy C-130 fleet and reduce the required crew complement for this operational environment. This budget line item also funds AC/MC-130J efforts related to communications security and joint/coalition interoperability, such as Cryptographic Modernization. These capabilities will be pursued via rapid fielding techniques when appropriate. | | | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | Program Elements for Code B Items: N/A | | Other Related Program Elements: 1160403BB | |
| Line Item MDAP/MAIS Code: 0000 | | | | | |

| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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-3a | 1 / Special Mission System (SMS) (System Upgrade) | | | | - / 138.995 | - / 47.808 | - / 47.161 | - / 44.823 | - / - | - / 44.823 |
| P-3a | 2 / AC/MC-130J Radio Frequency Countermeasures (RFCM) (System Upgrade) | | | | - / 40.244 | - / 54.741 | - / 11.443 | - / 30.378 | - / - | - / 30.378 |
| P-3a | 3 / AC-130J (PSP Retrofit) (System Upgrade) | | | | - / 180.216 | - / 32.629 | - / 33.798 | - / 35.052 | - / - | - / 35.052 |
| P-3a | 4 / MC-130J Airborne Mission Networking (AbMN) (System Upgrade) | | | | - / 3.329 | - / 4.888 | - / 6.807 | - / 16.966 | - / - | - / 16.966 |
| P-3a | 5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) (System Upgrade) | | | | - / - | - / 6.528 | - / 8.964 | - / 29.389 | - / - | - / 29.389 |
| P-40a | AC/MC-130J Systems | | | | - / 127.070 | - / 16.587 | - / 35.059 | - / 7.306 | - / - | - / 7.306 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 489.854 | - / 163.181 | - / 143.232 | - / 163.914 | - / - | - / 163.914 |
| Exhibits Schedule | | | | | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | 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-3a | 1 / Special Mission System (SMS) (System Upgrade) | | | | - / 53.712 | - / 53.120 | - / 60.205 | - / 61.366 | Continuing | Continuing |
| P-3a | 2 / AC/MC-130J Radio Frequency Countermeasures (RFCM) (System Upgrade) | | | | - / 63.600 | - / 131.203 | - / 150.131 | - / 157.800 | Continuing | Continuing |
| P-3a | 3 / AC-130J (PSP Retrofit) (System Upgrade) | | | | - / 24.684 | - / 15.982 | - / - | - / - | Continuing | Continuing |
| P-3a | 4 / MC-130J Airborne Mission Networking (AbMN) (System Upgrade) | | | | - / 22.701 | - / 31.236 | - / 39.281 | - / 40.067 | Continuing | Continuing |
| P-3a | 5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) (System Upgrade) | | | | - / 36.958 | - / 51.619 | - / 59.017 | - / 60.197 | Continuing | Continuing |
| P-40a | AC/MC-130J Systems | | | | - / - | - / - | - / - | - / - | - / - | - / - |
| P-40 | Total Gross/Weapon System Cost | | | | - / 213.649 | - / 296.535 | - / 322.669 | - / 333.789 | Continuing | Continuing |

*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:
FY 2021 PROGRAM JUSTIFICATION: Procures five Special Mission System (SMS) kits for installation on five AC/MC-130J aircraft plus support costs. Supports technical risk reduction, consolidation of technical data, and modification for MC-130J mission systems which interface to the aircraft and each other through the SMS. Procures two Electronic Warfare Radio Frequency Countermeasures (RFCM) A Kits, and two B Kits for installation on the AC/MC-130J aircraft plus initial spares and support costs. Funds integration of five MC-130J aircraft PSP retrofit modifications and other government costs to the AC-130J configuration. MC-130J kit procurement is focused on meeting the consolidated modification line installation schedule. Procures four Airborne Mission Networking (AbMN) A-kits for consolidated modification line installation on the MC-130J plus other government costs. Procures four MC-130 SOF common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) A Kits and three B Kits for consolidated modification line installation on the MC-130J aircraft plus other government costs, interim contractor support (labor), and peculiar support equipment. Procures four Auxiliary Flight Deck Station (AFDS) kits for consolidated modification line installation on the MC-130J aircraft plus other government costs, interim contractor support (labor), and peculiar support equipment. Supports modifications to include, but not limited to: Defensive Systems Upgrades (DSU) and Variable Speed Drogue (VSD) and Weight Management (WM) on MC-130J aircraft plus support costs.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J |
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160403BB |
| Line Item MDAP/MAIS Code: 0000 | | |
| <p>The SKR program office will award a 3-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Current unit quantities and costs reflect existing Indefinite Delivery Indefinite Quantity (IDIQ) contract pricing. Per unit cost and quantities will be updated following contract award in 1QFY21. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program. This MYP plans to award SKRs with funding in the following P-1 Line Item Title: Rotary Wing Upgrades and Sustainment, CV-22 Modifications, and AC/MC-130J.</p> <p>Efforts with funding starting in FY 2022 through FY 2025 are summarized on the P-40. Not all details of this funding are included in this P-40 exhibit set. A summary of the excepted details is as follows:</p> <ul style="list-style-type: none"> (a) FY 2022 Cost Delta: 11.994 million (b) FY 2023 Cost Delta: 13.375 million (c) FY 2024 Cost Delta: 14.035 million (d) FY 2025 Cost Delta: 14.359 million (e) To Complete and Total Delta: Continuing | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | | | Modification Number / Title: 1 / Special Mission System (SMS) | | | |

| | | | | | | | | | | | |
|---|--|--|--|--|--|--|------------------------|--|--|--|--|
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | |
|---|--|--|--|--|--|--|------------------------|--|--|--|--|

| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
|---|--------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|-------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 138.995 | 47.808 | 47.161 | 44.823 | - | 44.823 | 53.712 | 53.120 | 60.205 | 61.366 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 138.995 | 47.808 | 47.161 | 44.823 | - | 44.823 | 53.712 | 53.120 | 60.205 | 61.366 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 138.995 | 47.808 | 47.161 | 44.823 | - | 44.823 | 53.712 | 53.120 | 60.205 | 61.366 | Continuing | Continuing |

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

| | | | | | | | | | | | | |
|---|-------|-------|-------|-------|---|-------|-------|-------|-------|-------|------------|------------|
| Initial Spares (<i>\$ in Millions</i>) | 4.272 | 5.447 | 6.634 | 2.266 | - | 2.266 | 1.838 | 1.911 | 1.949 | 4.849 | Continuing | Continuing |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This modification program incrementally procures and integrates, onto AC/MC-130J aircraft, Special Operations Forces (SOF)-unique modifications necessary to correspond with the incremental upgrade strategy of the AC/MC-130J Program. The Special Mission System (SMS) program integrates SOF-peculiar capabilities with existing aircraft controls and displays, and enables hosting of SOF mission software applications. Supports technical risk reduction and consolidation of technical data and modification for systems which interface to the aircraft and each other through the SMS. Auxiliary Flight Deck Station (AFDS) and SMS equipment will be installed by contractor or depot onto AC-130J and MC-130J aircraft.

This program will be going to Full Rate Production contract in FY22 which will utilize a competitive award. Delivery dates will be provided upon contract award.

Development Status/Major Development Milestones

| Date | Title | Description |
|-------------|--------------|--------------------|
| Nov 2014 | MS C | Milestone C |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | | | | Modification Number / Title: 1 / Special Mission System (SMS) | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | | | |
| Models of Systems Affected: AC/MC-130J | | | | Modification Type: System Upgrade | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 1160403BB | | | | | | | | | | | | | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 1: AC/MC-130J SMS | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| AC/MC-130J Aircraft Kits ⁽¹⁾ | | | | | | | | | | | | | |
| AC/MC-130J Aircraft Modifications (Labor) ⁽²⁾ | | | | | | | | | | | | | |
| Subtotal: Recurring | | | | | | | | | | | | | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| AC/MC-130J Special Mission Processor Kits (LRU) ⁽³⁾ | | | | | | | | | | | | | |
| Subtotal: Recurring | | | | | | | | | | | | | |
| Non-Recurring | | | | | | | | | | | | | |
| AC/MC-130J Initial Spares ⁽⁴⁾ | | | | | | | | | | | | | |
| AC/MC-130J Diminishing Manufacturing Sources (DMS) Technology Refresh ⁽⁵⁾ | | | | | | | | | | | | | |
| AC/MC-130J Technical Data/Publications | | | | | | | | | | | | | |
| Subtotal: Non-Recurring | | | | | | | | | | | | | |
| Subtotal: AC/MC-130J SMS | | | | | | | | | | | | | |
| Subtotal: Procurement, All Modification Items | | | | | | | | | | | | | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| AC/MC-130J Simulator/Training Systems ⁽⁶⁾ | | | | | | | | | | | | | |
| AC/MC-130J Non-Recurring Engineering Support (Integration) | | | | | | | | | | | | | |
| AC/MC-130J Other Government Costs | | | | | | | | | | | | | |
| MC-130J Technical Data/Publications | | | | | | | | | | | | | |
| MC-130J Consolidated Modification Line Infrastructure | | | | | | | | | | | | | |
| MC-130J Consolidated Modification Line Support Equipment ⁽⁷⁾ | | | | | | | | | | | | | |
| Subtotal: Support | | | | | | | | | | | | | |
| Installation | | | | | | | | | | | | | |
| Subtotal: Installation | | | | | | | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | | | | Modification Number / Title: 1 / Special Mission System (SMS) | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | | | |
| Models of Systems Affected: AC/MC-130J | | | | Modification Type: System Upgrade | | | | | Related RDT&E PEs: 1160403BB | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | | 138.995 | 47.808 | 47.161 | 44.823 | - | 44.823 | 53.712 | 53.120 | 60.205 | 61.366 | Continuing | Continuing |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | Date: February 2020 | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | | Modification Number / Title: 1 / Special Mission System (SMS) | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | MDAP/MAIS Code: | | |
| Modification Item 1 of 1: AC/MC-130J SMS | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Lockheed Martin | | | | Manufacturer Location: Marietta, GA | | | |
| Administrative Leadtime (<i>in Months</i>): 1 | | | | Production Leadtime (<i>in Months</i>): 18 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | Jan 2019 | Feb 2020 | Feb 2021 | Feb 2022 | Feb 2023 | Feb 2024 | Feb 2025 |
| Delivery Dates | Jul 2020 | Aug 2021 | Aug 2022 | Aug 2023 | Aug 2024 | Aug 2025 | Aug 2026 |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Original Equipment Manufacturer (OEM)/Organic | | | | | Installation Quantity: 31 | | |
| | | | | | | | |
| Method of Implementation (Organic): Modification Line | | | | | Installation Quantity: 63 | | |
| <p>Footnotes:</p> <p>(1) FY19-FY25 reflects kits procured (18 month lead time) for the AC-130J aircraft at a rate of 5 per year. FY22-FY30 reflects kits procured for MC-130J aircraft at a rate of 6 per year.</p> <p>(2) FY19-FY25 Aircraft modifications reflects AC-130J 5/5/5/5/5/0 and MC-130J 4/6/0/0/0/6/6</p> <p>(3) Special Mission Systems LRU's are procured at a rate of 2 per aircraft for a total of 302 (37 AC/57MC)</p> <p>(4) Initial spares are procured for both the AC/MC-130J to meet the delivery rate of operationally fielded aircraft at 2 AC-130J and 7 MC-130J operating bases.</p> <p>(5) FY18 AC/MC-130J Diminishing Manufacturing Sources (DMS) complete issue resolution on the Special Mission Processor (SMP). FY19 initiated DMS driven SMP replacement and technical refresh with a FY20 procurement to meet delivery schedule for MC-130J aircraft modification, and satisfies spares requirements AC/MC-130J.</p> <p>(6) Simulator/trainers procurement supports modifications to existing crew training devices for AC/MC-130J using an overarching multiyear IDIQ contract</p> <p>(7) MC-130J Modification equipment supports the stand up of facilities for the consolidated modification line to include but not limited to: tooling, fire suppression and support equipment.</p> | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | Modification Number / Title: 2 / AC/MC-130J Radio Frequency Countermeasures (RFCM) |

| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | MDAP/MAIS Code: | | | | | | |
|---|-------------|---------|---------|--------------|-------------|-----------------|---------|---------|---------|---------|-------------|------------|
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 40.244 | 54.741 | 11.443 | 30.378 | - | 30.378 | 63.600 | 131.203 | 150.131 | 157.800 | Continuing | Continuing |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | 40.244 | 54.741 | 11.443 | 30.378 | - | 30.378 | 63.600 | 131.203 | 150.131 | 157.800 | Continuing | Continuing |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 40.244 | 54.741 | 11.443 | 30.378 | - | 30.378 | 63.600 | 131.203 | 150.131 | 157.800 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | 9.277 | 15.269 | - | 4.069 | - | 4.069 | - | - | 1.742 | 4.650 | Continuing | Continuing |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This modification program procures and fields Radio Frequency Countermeasures (RFCM) for AC/MC-130J fleet. The RFCM suite detects, identifies and provides geo-located threat position data to the Situational Awareness system and display, and determines and implements appropriate response to eliminate or degrade the threat.

Program will competitively award initial production contract in FY 2020.

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | | | | | Modification Number / Title: 2 / AC/MC-130J Radio Frequency Countermeasures (RFCM) | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | MDAP/MAIS Code: | | | | | |
| Models of Systems Affected: AC/MC-130J | | | | Modification Type: System Upgrade | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 1160403BB | - / 94.978 | - / 17.094 | - / 53.139 | - / 52.934 | - / - | - / 52.934 | - / 19.153 | - / - | - / 9.000 | - / 9.180 | - / - | - / 255.478 | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 1: AC/MC-130J RF Countermeasures | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| AC/MC-130J Aircraft Kits | 4 / 3.636 | - / - | - / - | 2 / 6.267 | - / - | 2 / 6.267 | 5 / 15.665 | 11 / 35.156 | 11 / 35.860 | 11 / 36.575 | Continuing | Continuing | |
| AC/MC-130J Aircraft Modifications (Labor) | - / - | - / - | - / - | - / - | - / - | - / - | - / 4.692 | - / 11.964 | - / 21.185 | - / 21.608 | Continuing | Continuing | |
| Subtotal: Recurring | - / 3.636 | - / - | - / - | - / 6.267 | - / - | - / 6.267 | - / 20.357 | - / 47.120 | - / 57.045 | - / 58.183 | Continuing | Continuing | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| AC/MC-130J Aircraft Hardware | 4 / 15.136 | 3 / 23.907 | 1 / 8.128 | 2 / 16.581 | - / - | 2 / 16.581 | 4 / 33.820 | 8 / 68.945 | 10 / 87.940 | 10 / 89.730 | Continuing | Continuing | |
| Subtotal: Recurring | - / 15.136 | - / 23.907 | - / 8.128 | - / 16.581 | - / - | - / 16.581 | - / 33.820 | - / 68.945 | - / 87.940 | - / 89.730 | Continuing | Continuing | |
| Non-Recurring | | | | | | | | | | | | | |
| AC/MC-130J Initial Spares ⁽⁸⁾ | - / 9.277 | - / 15.269 | - / - | - / 4.069 | - / - | - / 4.069 | - / - | - / - | - / 1.742 | - / 4.650 | Continuing | Continuing | |
| Subtotal: Non-Recurring | - / 9.277 | - / 15.269 | - / - | - / 4.069 | - / - | - / 4.069 | - / - | - / - | - / 1.742 | - / 4.650 | Continuing | Continuing | |
| Subtotal: AC/MC-130J RF Countermeasures | - / 28.049 | - / 39.176 | - / 8.128 | - / 26.917 | - / - | - / 26.917 | - / 54.177 | - / 116.065 | - / 146.727 | - / 152.563 | Continuing | Continuing | |
| Subtotal: Procurement, All Modification Items | - / 28.049 | - / 39.176 | - / 8.128 | - / 26.917 | - / - | - / 26.917 | - / 54.177 | - / 116.065 | - / 146.727 | - / 152.563 | Continuing | Continuing | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| Simulator/Training Systems ⁽⁹⁾ | - / - | - / - | - / - | - / - | - / - | - / - | - / 2.605 | - / 2.610 | - / - | - / 1.650 | Continuing | Continuing | |
| PMA Government Costs | - / 1.060 | - / 3.150 | - / 1.750 | - / 1.820 | - / - | - / 1.820 | - / 1.643 | - / 1.720 | - / 1.790 | - / 1.825 | Continuing | Continuing | |
| Other Government Costs | - / 3.640 | - / 2.615 | - / 1.565 | - / 1.641 | - / - | - / 1.641 | - / 1.313 | - / 1.426 | - / 1.602 | - / 1.750 | Continuing | Continuing | |
| System Integration Lab Kit | - / 7.495 | - / 9.800 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 17.295 | |
| Interim Contractor Support (Labor) | - / - | - / - | - / - | - / - | - / - | - / - | - / 3.000 | - / 3.130 | - / - | - / - | Continuing | Continuing | |
| Depot Activation ⁽¹⁰⁾ | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 6.252 | - / - | - / - | - / - | - / 6.252 | |
| Organizational Level Support Equipment | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.850 | - / - | - / - | - / - | - / - | - / 0.850 | |
| Peculiar Support Equipment ⁽¹¹⁾ | - / - | - / - | - / - | - / - | - / - | - / - | - / 0.012 | - / - | - / 0.012 | - / 0.012 | Continuing | Continuing | |
| Subtotal: Support | - / 12.195 | - / 15.565 | - / 3.315 | - / 3.461 | - / - | - / 3.461 | - / 9.423 | - / 15.138 | - / 3.404 | - / 5.237 | Continuing | Continuing | |
| Installation | | | | | | | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | | | | | Modification Number / Title: 2 / AC/MC-130J Radio Frequency Countermeasures (RFCM) | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | MDAP/MAIS Code: | | | | | |
| Models of Systems Affected: AC/MC-130J | | | | Modification Type: System Upgrade | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | <i>Qty (Each) / Total Cost (\$ M)</i> | |
| <i>Subtotal: Installation</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | <i>- / -</i> | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 40.244 | 54.741 | 11.443 | 30.378 | - | 30.378 | 63.600 | 131.203 | 150.131 | 157.800 | Continuing | Continuing | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | Date: February 2020 | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | | Modification Number / Title: 2 / AC/MC-130J Radio Frequency Countermeasures (RFCM) | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | MDAP/MAIS Code: | | |
| Modification Item 1 of 1: AC/MC-130J RF Countermeasures | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: BAE Systems, Inc. (A Kits) | | | | Manufacturer Location: Totowa, NJ | | | |
| Administrative Leadtime (<i>in Months</i>): 2 | | | | Production Leadtime (<i>in Months</i>): 9 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | Dec 2018 | | | | | | |
| Delivery Dates | Sep 2019 | | | | | | |
| Manufacturer Name: BAE Systems, Inc. (B Kits) | | | | Manufacturer Location: Totowa, NJ | | | |
| Administrative Leadtime (<i>in Months</i>): 2 | | | | Production Leadtime (<i>in Months</i>): 25 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | Dec 2018 | | | | | | |
| Delivery Dates | Jan 2021 | | | | | | |
| Manufacturer Name: Competitive Award (A Kits and B Kits) | | | | Manufacturer Location: TBD | | | |
| Administrative Leadtime (<i>in Months</i>): | | | | Production Leadtime (<i>in Months</i>): 8 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | | May 2020 | | | | | |
| Delivery Dates | | Jan 2021 | | | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Original Equipment Manufacturer (OEM)/Organic | | | | | | Installation Quantity: 94 | |
| <p>Footnotes:</p> <p>⁽⁸⁾ AC/MC-130J Initial spares are procured for both the AC/MC-130J to meet the delivery rate of operationally fielded aircraft at 5 AC-130J and 7 MC-130J operating bases.</p> <p>⁽⁹⁾ Simulator/trainers procurement supports modifications to crew training devices for AC/MC-130J using an overarching multiyear IDIQ contract</p> <p>⁽¹⁰⁾ Depot activation procurement supports transition to government software sustainment</p> <p>⁽¹¹⁾ Peculiar support equipment procurement provides for the equipment to install and remove transmit antenna Line Replaceable units.</p> | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | | | Modification Number / Title: 3 / AC-130J (PSP Retrofit) | | | |

| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | MDAP/MAIS Code: | | | | | | |
|--|-------------|---------|---------|--------------|-------------|-----------------|---------|---------|---------|---------|-------------|------------|
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 180.216 | 32.629 | 33.798 | 35.052 | - | 35.052 | 24.684 | 15.982 | - | - | Continuing | Continuing |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | 180.216 | 32.629 | 33.798 | 35.052 | - | 35.052 | 24.684 | 15.982 | - | - | Continuing | Continuing |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 180.216 | 32.629 | 33.798 | 35.052 | - | 35.052 | 24.684 | 15.982 | - | - | Continuing | Continuing |
| (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> | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This modification program prepares the MC-130J aircraft for Precision Strike Package (PSP) integration. A total of 37 MC-130Js will be modified with the PSP to provide the AC-130J close air support, air interdiction, and armed reconnaissance capability in accordance with the Capability Production Document (CPD) for AC-130J. AC-130J CPD defines a 37 MC-130J aircraft program.

Note: Quantity is 38 due to loss of aircraft 1. Total inventory at end of program will be 37 aircraft.

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | | | | Modification Number / Title: 3 / AC-130J (PSP Retrofit) | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | MDAP/MAIS Code: | | | | | |
| Models of Systems Affected: AC-130J | | | | Modification Type: System Upgrade | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 1160403BB | - / 10.163 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 1: AC-130J PSP Retrofit | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| Aircraft Kits | 19 / 105.051 | 5 / 29.618 | 5 / 30.212 | 5 / 32.132 | - / - | 5 / 32.132 | 3 / 19.022 | 1 / 6.257 | - / - | - / - | Continuing | Continuing | |
| Aircraft Modifications Overseas Contingency Operations (OCO) | 1 / 5.024 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 1 / 5.024 | |
| Other Governmental Costs | - / 32.044 | - / 3.011 | - / 3.586 | - / 2.920 | - / - | - / 2.920 | - / 5.662 | - / 9.725 | - / - | - / - | Continuing | Continuing | |
| Other Governmental Costs OCO | - / 1.476 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 1.476 | |
| Subtotal: Recurring | - / 143.595 | - / 32.629 | - / 33.798 | - / 35.052 | - / - | - / 35.052 | - / 24.684 | - / 15.982 | - / - | - / - | Continuing | Continuing | |
| Non-Recurring | | | | | | | | | | | | | |
| Prior Year Funding | - / 36.621 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 36.621 | |
| Subtotal: Non-Recurring | - / 36.621 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 36.621 | |
| Subtotal: AC-130J PSP Retrofit | - / 180.216 | - / 32.629 | - / 33.798 | - / 35.052 | - / - | - / 35.052 | - / 24.684 | - / 15.982 | - / - | - / - | Continuing | Continuing | |
| Subtotal: Procurement, All Modification Items | - / 180.216 | - / 32.629 | - / 33.798 | - / 35.052 | - / - | - / 35.052 | - / 24.684 | - / 15.982 | - / - | - / - | Continuing | Continuing | |
| Installation | | | | | | | | | | | | | |
| Subtotal: Installation | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Total | | | | | | | | | | | | | |
| Total Cost (Procurement + Support + Installation) | 180.216 | 32.629 | 33.798 | 35.052 | - | 35.052 | 24.684 | 15.982 | - | - | Continuing | Continuing | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | | Modification Number / Title: 3 / AC-130J (PSP Retrofit) | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | MDAP/MAIS Code: | | | |
| Modification Item 1 of 1: AC-130J PSP Retrofit | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Lockheed Martin | | | | Manufacturer Location: Lexington, KY | | | |
| Administrative Leadtime (in Months): 1 | | | | Production Leadtime (in Months): 10 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | Nov 2018 | Nov 2019 | Nov 2020 | Nov 2021 | Nov 2022 | | |
| Delivery Dates | Sep 2019 | Sep 2020 | Sep 2021 | Sep 2022 | Sep 2023 | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Modification Line | | | | | Installation Quantity: 38 | | |
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | Modification Number / Title: 4 / MC-130J Airborne Mission Networking (AbMN) |

| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | MDAP/MAIS Code: | | | | | | |
|--|-------------|---------|---------|--------------|-------------|-----------------|---------|---------|---------|---------|-------------|------------|
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 3.329 | 4.888 | 6.807 | 16.966 | - | 16.966 | 22.701 | 31.236 | 39.281 | 40.067 | Continuing | Continuing |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | 3.329 | 4.888 | 6.807 | 16.966 | - | 16.966 | 22.701 | 31.236 | 39.281 | 40.067 | Continuing | Continuing |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 3.329 | 4.888 | 6.807 | 16.966 | - | 16.966 | 22.701 | 31.236 | 39.281 | 40.067 | Continuing | Continuing |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | - | 1.244 | - | 0.636 | - | 0.636 | 0.500 | 2.000 | 2.584 | 4.979 | Continuing | Continuing |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This program procures the Special Operations Forces (SOF)-unique mission equipment (radios, computers, network hardware, displays, antennas, software, etc.) and aircraft modifications required to integrate the Airborne Mission Networking (AbMN) system on MC-130J aircraft. AbMN provides a suite of integrated situational awareness and communication tools providing the crew with a correlated common operating picture of the air and ground battlespace that does not currently exist in SOF mobility aircraft. AbMN reduces MC-130J crew workload requirements to execute clandestine SOF insertion/extraction, aerial refueling, and airdrop missions previously performed by five crew members on the MC-130H Combat Talon II.

Program will competitively award a Full Rate Production contract in FY21.

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | | | | | Modification Number / Title: 4 / MC-130J Airborne Mission Networking (AbMN) | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | | MDAP/MAIS Code: | | | | | |
| Models of Systems Affected: MC-130J | | | | Modification Type: System Upgrade | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 1160403BB | - / 20.883 | - / 4.169 | - / - | - / 2.688 | - / - | - / 2.688 | - / - | - / - | - / - | - / - | - / - | - / 27.740 | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 1: MC-130J Airborne Mission Networking (AbMN) | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| MC-130J Aircraft Kits Group A&B | - / - | - / 3.494 | 2 / 1.487 | 4 / 4.882 | - / - | 4 / 4.882 | 6 / 7.860 | 6 / 7.860 | 6 / 7.860 | 6 / 7.856 | Continuing | Continuing | |
| MC-130J Aircraft Modifications (Labor) | - / - | - / - | - / 3.132 | 2 / 10.170 | - / - | 2 / 10.170 | 4 / 10.670 | 6 / 17.192 | 6 / 25.796 | 6 / 25.800 | Continuing | Continuing | |
| Subtotal: Recurring | - / - | - / 3.494 | - / 4.619 | - / 15.052 | - / - | - / 15.052 | - / 18.530 | - / 25.052 | - / 33.656 | - / 33.656 | Continuing | Continuing | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| MC-130J Hardware ⁽¹²⁾ | - / - | - / - | 2 / 1.428 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 1.428 | |
| Subtotal: Recurring | - / - | - / - | 2 / 1.428 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | 2 / 1.428 | |
| Non-Recurring | | | | | | | | | | | | | |
| MC-130J Initial Spares ⁽¹³⁾ | - / - | - / 1.244 | - / - | - / 0.636 | - / - | - / 0.636 | - / 0.500 | - / 2.000 | - / 2.584 | - / 4.979 | Continuing | Continuing | |
| Subtotal: Non-Recurring | - / - | - / 1.244 | - / - | - / 0.636 | - / - | - / 0.636 | - / 0.500 | - / 2.000 | - / 2.584 | - / 4.979 | Continuing | Continuing | |
| Subtotal: MC-130J Airborne Mission Networking (AbMN) | - / - | - / 4.738 | - / 6.047 | - / 15.688 | - / - | - / 15.688 | - / 19.030 | - / 27.052 | - / 36.240 | - / 38.635 | Continuing | Continuing | |
| Subtotal: Procurement, All Modification Items | - / - | - / 4.738 | - / 6.047 | - / 15.688 | - / - | - / 15.688 | - / 19.030 | - / 27.052 | - / 36.240 | - / 38.635 | Continuing | Continuing | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| Diminishing Manufacturing Sources (DMS)/Technology Refresh | - / - | - / - | - / - | - / - | - / - | - / - | - / 1.000 | - / 1.000 | - / 1.000 | - / 1.000 | Continuing | Continuing | |
| Simulator/Training Systems ⁽¹⁴⁾ | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 1.000 | - / 1.000 | - / - | Continuing | Continuing | |
| Other Government Costs | - / 0.729 | - / 0.150 | - / 0.760 | - / 1.278 | - / - | - / 1.278 | - / 2.671 | - / 2.184 | - / 1.041 | - / 0.432 | Continuing | Continuing | |
| System Integration Lab Kit | - / 2.600 | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 2.600 | |
| Subtotal: Support | - / 3.329 | - / 0.150 | - / 0.760 | - / 1.278 | - / - | - / 1.278 | - / 3.671 | - / 4.184 | - / 3.041 | - / 1.432 | Continuing | Continuing | |
| Installation | | | | | | | | | | | | | |
| Subtotal: Installation | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | |
| Total | | | | | | | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | | | | Modification Number / Title: 4 / MC-130J Airborne Mission Networking (AbMN) | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | MDAP/MAIS Code: | | | | | | |
| Models of Systems Affected: MC-130J | | | | Modification Type: System Upgrade | | | | Related RDT&E PEs: 1160403BB | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) |
| | Total Cost (Procurement + Support + Installation) | 3.329 | 4.888 | 6.807 | 16.966 | - | 16.966 | 22.701 | 31.236 | 39.281 | 40.067 | Continuing |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | Date: February 2020 | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | | Modification Number / Title: 4 / MC-130J Airborne Mission Networking (AbMN) | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | MDAP/MAIS Code: | | |
| Modification Item 1 of 1: MC-130J Airborne Mission Networking (AbMN) | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Sierra Nevada Corporation (SNC) | | | | Manufacturer Location: Centennial, CO | | | |
| Administrative Leadtime (<i>in Months</i>): 1 | | | | Production Leadtime (<i>in Months</i>): 12 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | Feb 2019 | Dec 2019 | Dec 2020 | Dec 2021 | Dec 2022 | Dec 2023 | Dec 2024 |
| Delivery Dates | Feb 2020 | Dec 2020 | Dec 2021 | Dec 2022 | Dec 2023 | Dec 2024 | Dec 2025 |
| Manufacturer Name: Competitive Award (A/B Kits & Installation) | | | | Manufacturer Location: TBD | | | |
| Administrative Leadtime (<i>in Months</i>): | | | | Production Leadtime (<i>in Months</i>): | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | | | Aug 2021 | | | | |
| Delivery Dates | | | | | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Original Equipment Manufacturer (OEM)/Organic | | | | | | Installation Quantity: 7 | |
| | | | | | | | |
| Method of Implementation (Organic): Modification Line | | | | | | Installation Quantity: 48 | |
| Footnotes: ⁽¹²⁾ The MC-130J AbMN program relies on Air Force funding for service common hardware and software. The Air Force funding provides Beyond Line of Site, Line of Site, and Full Motion Video datalink capabilities on the MC-130J that directly feed primary data to the SOF tactical displays. MC-130J SOF peculiar hardware and software includes communications and data processing, threat correlation, and tactical display hardwares to the operator. This budget line item only captures the SOF peculiar MC-130J AbMN aircraft kit cost, but this program is reliant on the associated Air Force funding to provide a complete AbMN capability set. ⁽¹³⁾ MC-130J Initial spares are procured for the MC-130J to meet delivery of operationally fielded aircraft at five operating bases. ⁽¹⁴⁾ Simulator/trainers procurement supports modifications to existing crew training devices for MC-130J using an overarching multiyear IDIQ contract. | | | | | | | |

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | Modification Number / Title: 5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) |

| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | MDAP/MAIS Code: | | | | | | |
|--|-------------|---------|---------|--------------|-------------|-----------------|---------|---------|---------|---------|-------------|------------|
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | - | 6.528 | 8.964 | 29.389 | - | 29.389 | 36.958 | 51.619 | 59.017 | 60.197 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | - | 6.528 | 8.964 | 29.389 | - | 29.389 | 36.958 | 51.619 | 59.017 | 60.197 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | - | 6.528 | 8.964 | 29.389 | - | 29.389 | 36.958 | 51.619 | 59.017 | 60.197 | Continuing | Continuing |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | 7.004 | - | 7.004 | - | 7.287 | 11.149 | 11.372 | Continuing | Continuing |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This program procures the MC-130 SOF common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) or APQ-187 and aircraft modifications required to integrate the subsystem on MC-130J aircraft. The TF/TA SKR subsystem provides SOF common low probability of intercept/low probability of detection capabilities to defeat advanced passive detection threats while maintaining the ability to fly safely.

The SKR program office will award a 3-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Current unit quantities and costs reflect existing Indefinite Delivery Indefinite Quantity (IDIQ) contract pricing. Per unit cost and quantities will be updated following contract award in 1QFY21. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program. This MYP plans to award SKRs with funding in the following P-1 Line Item Title: Rotary Wing Upgrades and Sustainment, CV-22 Modifications, and AC/MC-130J.

This program will be a Full Rate Production contract for aircraft kits in FY 2022.

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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | | | | Modification Number / Title: 5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) | | | | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | | | MDAP/MAIS Code: | | | | | | |
| Models of Systems Affected: AC/MC-130J | | | | Modification Type: System Upgrade | | | | Related RDT&E PEs: 1160403BB | | | | | |
| Financial Plan | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total | |
| | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | Qty (Each) / Total Cost (\$ M) | |
| RDT&E PE # | | | | | | | | | | | | | |
| 1160403BB - / 135.279 - / 3.089 - / 2.476 - / 2.362 - / - - / 2.362 - / 2.095 - / 2.139 - / 2.189 - / 2.233 - / - - / 151.862 | | | | | | | | | | | | | |
| Procurement | | | | | | | | | | | | | |
| Modification Item 1 of 1: C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) ⁽¹⁵⁾ | | | | | | | | | | | | | |
| A Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| MC-130J Aircraft Kits | - / - | 3 / 4.050 | 2 / 3.121 | 4 / 7.641 | - / - | 4 / 7.641 | 6 / 9.242 | 6 / 9.937 | 6 / 10.135 | 6 / 12.406 | Continuing | Continuing | |
| MC-130J Aircraft Modifications (Labor) | - / - | - / - | - / 1.144 | - / 2.335 | - / - | - / 2.335 | - / 4.463 | - / 7.287 | - / 7.433 | - / 7.581 | Continuing | Continuing | |
| Subtotal: Recurring | - / - | - / 4.050 | - / 4.265 | - / 9.976 | - / - | - / 9.976 | - / 13.705 | - / 17.224 | - / 17.568 | - / 19.987 | Continuing | Continuing | |
| B Kits | | | | | | | | | | | | | |
| Recurring | | | | | | | | | | | | | |
| MC-130J TF/TA (Silent Knight) Radar/APQ-187 | - / - | - / 1.448 | 1 / 3.432 | 3 / 10.506 | - / - | 3 / 10.506 | 6 / 21.432 | 6 / 21.861 | 6 / 22.298 | 6 / 22.298 | Continuing | Continuing | |
| Subtotal: Recurring | - / - | - / 1.448 | - / 3.432 | - / 10.506 | - / - | - / 10.506 | - / 21.432 | - / 21.861 | - / 22.298 | - / 22.298 | Continuing | Continuing | |
| Non-Recurring | | | | | | | | | | | | | |
| MC-130J Initial Spares ⁽¹⁶⁾ | - / - | - / - | - / - | - / 7.004 | - / - | - / 7.004 | - / - | - / 7.287 | - / 11.149 | - / 11.372 | Continuing | Continuing | |
| Subtotal: Non-Recurring | - / - | - / - | - / - | - / 7.004 | - / - | - / 7.004 | - / - | - / 7.287 | - / 11.149 | - / 11.372 | Continuing | Continuing | |
| Subtotal: C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) | - / - | - / 5.498 | - / 7.697 | - / 27.486 | - / - | - / 27.486 | - / 35.137 | - / 46.372 | - / 51.015 | - / 53.657 | Continuing | Continuing | |
| Subtotal: Procurement, All Modification Items - / - - / 5.498 - / 7.697 - / 27.486 - / - - / 27.486 - / 35.137 - / 46.372 - / 51.015 - / 53.657 Continuing Continuing | | | | | | | | | | | | | |
| Support (All Modification Items) | | | | | | | | | | | | | |
| Diminishing Manufacturing Sources (DMS)/Technology Refresh | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 2.633 | - / 4.013 | Continuing | Continuing | |
| Simulators/Training Systems ⁽¹⁷⁾ | - / - | - / - | - / - | - / - | - / - | - / - | - / - | - / 2.827 | - / 2.903 | - / - | Continuing | Continuing | |
| Other Government Costs | - / - | - / 0.512 | - / 0.816 | - / 1.261 | - / - | - / 1.261 | - / 1.179 | - / 2.378 | - / 2.424 | - / 2.485 | Continuing | Continuing | |
| Interim Contractor Support (Labor) | - / - | - / 0.400 | - / 0.429 | - / 0.600 | - / - | - / 0.600 | - / 0.600 | - / - | - / - | - / - | - / - | - / 2.029 | |
| Peculiar Support Equipment ⁽¹⁸⁾ | - / - | - / 0.118 | - / 0.022 | - / 0.042 | - / - | - / 0.042 | - / 0.042 | - / 0.042 | - / 0.042 | - / 0.042 | Continuing | Continuing | |
| Subtotal: Support | - / - | - / 1.030 | - / 1.267 | - / 1.903 | - / - | - / 1.903 | - / 1.821 | - / 5.247 | - / 8.002 | - / 6.540 | Continuing | Continuing | |
| Installation | | | | | | | | | | | | | |

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LI 2012C130J - AC/MC-130J **UNCLASSIFIED** Volume 1 - 141
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| Exhibit P-3a, Individual Modification: PB 2021 United States Special Operations Command | | | | | | Date: February 2020 | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | P-1 Line Item Number / Title: 2012C130J / AC/MC-130J | | Modification Number / Title: 5 / C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) | |
| ID Code (A=Service Ready, B=Not Service Ready) : | | | | | MDAP/MAIS Code: | | |
| Modification Item 1 of 1: C-130 SOF Common Terrain Following/Terrain Avoidance (TF/TA) Silent Knight Radar (SKR) | | | | | | | |
| Manufacturer Information | | | | | | | |
| Manufacturer Name: Lockheed Martin | | | | Manufacturer Location: Marietta, GA | | | |
| Administrative Leadtime (<i>in Months</i>): 0 | | | | Production Leadtime (<i>in Months</i>): 14 | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | Oct 2019 | Feb 2020 | Feb 2021 | | | | |
| Delivery Dates | Dec 2020 | Apr 2021 | Apr 2022 | | | | |
| Manufacturer Name: Competitive Award | | | | Manufacturer Location: TBD | | | |
| Administrative Leadtime (<i>in Months</i>): | | | | Production Leadtime (<i>in Months</i>): | | | |
| Dates | FY 2019 | FY 2020 | FY 2021 | FY 2022 | FY 2023 | FY 2024 | FY 2025 |
| Contract Dates | | | | May 2022 | May 2023 | May 2024 | May 2025 |
| Delivery Dates | | | | | | | |
| Installation Information | | | | | | | |
| Method of Implementation (Organic): Original Equipment Manufacturer (OEM)/Organic | | | | | | Installation Quantity: 9 | |
| | | | | | | | |
| Method of Implementation (Organic): Modification Line | | | | | | Installation Quantity: 16 | |
| Footnotes: ⁽¹⁵⁾ The SKR program office will award a 3-year multiyear contract in FY 2021 which will stabilize the procurement price of the radar. Per unit cost and quantities will be updated following contract award in 1QFY21. This budget request includes funding to support a FY 2021 through FY 2023 Multi-Year Procurement (MYP) for the SOF Common TF/TA SKR program. ⁽¹⁶⁾ MC-130J Initial spares are procured for the MC-130J to meet delivery of operationally fielded aircraft at five operating bases. ⁽¹⁷⁾ Simulator/trainers procurement supports modifications to existing crew training devices for MC-130J using an overarching multiyear IDIQ contract. ⁽¹⁸⁾ Peculiar Support equipment procurements provides for the installation, removal, and repair of the TF/TA SKR and associated Line Replaceable Units (LRU). | | | | | | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|-------------------------------|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|-------------------------|------------|-------------------|------------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity: | | | | | | P-1 Line Item Number / Title: | | | | | | | | | Aggregated Items Title: | | | | | |
| 0300D / 02 / 1 | | | | | | 2012C130J / AC/MC-130J | | | | | | | | | AC/MC-130J Systems | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 1 - Mission Training Preparation Systems (MTPS) | | | | | | | | | | | | | | | | | | | | |
| 1.1 / AC-130J Fuselage Trainer | | | - | - | 20.145 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1.2 / Gun Training Room | | | - | - | 7.400 | - | - | - | 7.748 | 1 | 7.748 | - | - | - | - | - | - | - | - | - |
| 1.3 / Weapons Load Trainer | | | - | - | 7.543 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1.4 / Aft Cabin Trainer | | | - | - | 7.325 | - | - | - | 8.058 | 2 | 16.116 | - | - | - | - | - | - | - | - | - |
| 1.5 / Long Lead Material | | | - | - | 5.330 | 2.946 | 1 | 2.946 | 3.105 | 1 | 3.105 | - | - | - | - | - | - | - | - | - |
| Subtotal: 1 - Mission Training Preparation Systems (MTPS) | | | - | - | 47.743 | - | - | 2.946 | - | - | 26.969 | - | - | - | - | - | - | - | - | - |
| 2 - MC-130J Block 16 Upgrades | | | | | | | | | | | | | | | | | | | | |
| 2.1 / Recurring Hardware | | | - | - | 10.299 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 2 - MC-130J Block 16 Upgrades | | | - | - | 10.299 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3 - MC-130J Auxiliary Flight Deck Station | | | | | | | | | | | | | | | | | | | | |
| 3.1 / MC-130J Aircraft Kits | | | - | - | 0.730 | - | - | - | 0.334 | 2 | 0.668 | 0.341 | 4 | 1.363 | - | - | - | 0.341 | 4 | 1.363 |
| 3.2 / MC-130J Aircraft Modifications (Labor) | | | - | - | - | - | - | - | - | - | 0.555 | - | - | 1.132 | - | - | - | - | - | 1.132 |
| Subtotal: 3 - MC-130J Auxiliary Flight Deck Station | | | - | - | 0.730 | - | - | - | - | - | 1.223 | - | - | 2.495 | - | - | - | - | - | 2.495 |
| 4 - AC/MC-130J Tanker | | | | | | | | | | | | | | | | | | | | |
| 4.1 / AC/MC-130J Defense Systems Upgrades | | | - | - | 7.132 | - | - | 9.068 | - | - | 4.717 | - | - | 2.683 | - | - | - | - | - | 2.683 |
| 4.2 / AC/MC-130J Weight Management | | | - | - | - | - | - | 4.573 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 4 - AC/MC-130J Tanker | | | - | - | 7.132 | - | - | 13.641 | - | - | 4.717 | - | - | 2.683 | - | - | - | - | - | 2.683 |
| 5 - MC-130J Variable Speed Drogue | | | | | | | | | | | | | | | | | | | | |
| 5.1 / Drogue Hardware | | | - | - | - | - | - | - | - | - | 2.150 | - | - | 2.128 | - | - | - | - | - | 2.128 |
| Subtotal: 5 - MC-130J Variable Speed Drogue | | | - | - | - | - | - | - | - | - | 2.150 | - | - | 2.128 | - | - | - | - | - | 2.128 |
| Prior Year | | | | | | | | | | | | | | | | | | | | |
| Completed Efforts | | | - | - | 61.166 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Prior Year | | | - | - | 61.166 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | | | - | - | 127.070 | - | - | 16.587 | - | - | 35.059 | - | - | 7.306 | - | - | - | - | - | 7.306 |
| Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding. | | | | | | | | | | | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | | | P-1 Line Item Number / Title: 5000C13000 / C-130 MODIFICATIONS | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: N/A | | | | Other Related Program Elements: 1160427BB, 1160404BB, 1160403BB | | | | |
| Line Item MDAP/MAIS Code: 0000 | | | | | | | | | | | | |
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 2,508.826 | 72.942 | 15.582 | 20.414 | - | 20.414 | 14.985 | 15.545 | 18.217 | 18.595 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 2,508.826 | 72.942 | 15.582 | 20.414 | - | 20.414 | 14.985 | 15.545 | 18.217 | 18.595 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 2,508.826 | 72.942 | 15.582 | 20.414 | - | 20.414 | 14.985 | 15.545 | 18.217 | 18.595 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | 8.338 | - | - | - | - | - | - | - | - | - | - | 8.338 |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Description: The C-130 Modifications line item funds Special Operations Forces (SOF) unique modifications and rapid fielding to various SOF models of the C-130 aircraft and associated training systems. Program is comprised of modifications generated from mission performance deficiencies, logistics challenges, and evaluation of emerging technologies. USSOCOM funds the procurement of SOF-peculiar systems such as electronic warfare and survivability, communication, situational awareness, training, intelligence surveillance and reconnaissance, weapons integration, and low cost modifications into the SOF C-130 fleet. These capabilities will be pursued via rapid fielding techniques when appropriate. | | | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 1: Aviation Programs | | | | | P-1 Line Item Number / Title: 5000C13000 / C-130 MODIFICATIONS | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | Program Elements for Code B Items: N/A | | | Other Related Program Elements: 1160427BB, 1160404BB, 1160403BB | | | | |
| Line Item MDAP/MAIS Code: 0000 | | | | | | | | | | |
| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | C-130 Modification | | | | - / 2,508.826 | - / 72.942 | - / 15.582 | - / 20.414 | - / - | - / 20.414 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 2,508.826 | - / 72.942 | - / 15.582 | - / 20.414 | - / - | - / 20.414 |
| <p>*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.</p> <p>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</p> | | | | | | | | | | |
| <p>Justification:</p> <p>1. C-130 Modifications:</p> <p>1.0 C-130 Low Cost Modifications (LCM). Minor modifications to MC-130H/J, AC-130W/U/J and EC-130J aircraft SOF-unique equipment to improve reliability and maintainability, correct deficiencies, address obsolescence, incorporate mission enhancements, and critical safety changes. Modifications include but are not limited to: radar upgrades, avionics and display upgrades, sensor installations and upgrades, intelligence collection and dissemination capabilities, communication systems, mechanical and electrical modifications, and weapons integration. Current projects include, but are not limited to, MC-130H/J lightweight armor, MC-130H Data Link 16 system integration, EC-130J Co-site De-confliction, MC/EC-130J VHF1 Antenna Move, MC-130J Cottonmouth Permanent MC-130J Loadmaster Signal Lights, MC-130J UHF DropSonde receiver Permanent and MC-130J Variable Speed Droge Receiver improvements.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Continues minor LCM to SOF C-130 equipment.</p> <p>1.1 C-130 Avionics Modifications. This program replaces various SOF C-130 avionics systems across the SOF C-130 fleet. Projects include, but are not limited to; GPS Hardening improvements, EC-130J Defensive Systems Upgrade and Weight and Balance modifications.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Funds the MC-130J Weight and Balance Modifications.</p> <p>1.2 Simulator Block Updates (SBUD). The C-130 SBUD program sustains legacy C-130 aircrew training device capabilities by addressing concurrency, obsolescence, and fidelity training issues. The C-130 weapon systems possessing aircrew training devices include the AC-130J, AC-130U, AC-130W, EC-130J, MC-130H and MC-130J.</p> <p>FY 2021 PROGRAM JUSTIFICATION: The SBUD program continues to procure modifications to C-130 aircrew training devices to sustain or improve training capabilities.</p> <p>1.3 EC-130J Upgrade Modifications. This program funds modifications to the EC-130J aircraft, included but not limited to hardware and integration of SOF-unique portions of the USAF C-130J 7.0/8.1 software block cycle upgrades, airframe and aircraft infrastructure modifications, and the Link 16 modification.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Continues the EC-130J Link 16 modification.</p> <p>1.4 Enhanced Situational Awareness (ESA). Integrates carry-on communication kit on MC-130J aircraft to enhance situational awareness.</p> <p>2. EC-130J Commando Solo (CSOLO). CSOLO supports combat operations by flying Military Information Support Operations (MISO) missions for the purpose of broadcasting radio and/or television signals deep into denied territory. This program previously funded the Removable Airborne MISO System (RAMS) and then transitioned to the Multi-Mission Platform – Heavy (MMP-H) system.</p> | | | | | | | | | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 1 | | | | | | | | P-1 Line Item Number / Title: 5000C13000 / C-130 MODIFICATIONS | | | | | | | | Aggregated Items Title: C-130 Modification | | | |

| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 1 - C-130 Modification | | | | | | | | | | | | | | | | | | | | |
| 1.0 / Low Cost Modifications (LCM) | | | - | - | 80.598 | - | - | 5.119 | - | - | 2.458 | - | - | 2.595 | - | - | - | - | - | 2.595 |
| 1.1 / Avionics Modifications | | | - | - | 20.973 | - | - | 53.884 | - | - | - | - | - | 4.787 | - | - | - | - | - | 4.787 |
| 1.2 / Simulator Block Updates (SBUD) | | | - | - | 57.429 | - | - | 11.801 | - | - | 11.955 | - | - | 12.253 | - | - | - | - | - | 12.253 |
| 1.3 / EC-130J Upgrades | | | - | - | 5.849 | - | - | - | - | - | 1.169 | - | - | 0.779 | - | - | - | - | - | 0.779 |
| 1.4 / Enhanced Situational Awareness (ESA) | | | - | - | - | - | - | 1.095 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 1 - C-130 Modification | | | - | - | 164.849 | - | - | 71.899 | - | - | 15.582 | - | - | 20.414 | - | - | - | - | - | 20.414 |
| 2 - EC-130J Commando SOLO | | | | | | | | | | | | | | | | | | | | |
| 2.1 / Multi-Mission Platform – Heavy (MMP-H) | | | - | - | - | - | - | 1.043 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 2 - EC-130J Commando SOLO | | | - | - | - | - | - | 1.043 | - | - | - | - | - | - | - | - | - | - | - | - |
| 3 - Prior Year | | | | | | | | | | | | | | | | | | | | |
| 3.1 / Prior Year Funding | | | - | - | 2,326.689 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3.2 / Initial Spares | | | - | - | 8.338 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3.3 / Prior Year Funding - Congressional Add | | | - | - | 5.200 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3.4 / Prior Year Funding - Overseas Contingency Operations (OCO) | | | - | - | 3.750 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 3 - Prior Year | | | - | - | 2,343.977 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | | | - | - | 2,508.826 | - | - | 72.942 | - | - | 15.582 | - | - | 20.414 | - | - | - | - | - | 20.414 |

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

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 2: Shipbuilding | P-1 Line Item Number / Title: 2010US / UNDERWATER SYSTEMS |
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| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160483BB |
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Line Item MDAP/MAIS Code: N/A

| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
|--|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 204.024 | 128.816 | 58.991 | 20.556 | - | 20.556 | 18.974 | 7.219 | 15.562 | 15.873 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 204.024 | 128.816 | 58.991 | 20.556 | - | 20.556 | 18.974 | 7.219 | 15.562 | 15.873 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 204.024 | 128.816 | 58.991 | 20.556 | - | 20.556 | 18.974 | 7.219 | 15.562 | 15.873 | Continuing | Continuing |
| (The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.) | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | 10.268 | 4.351 | 3.187 | 2.581 | - | 2.581 | - | - | - | - | - | 20.387 |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

The Underwater Systems line item procures dry and wet combat submersibles, Combatant Craft Light (CCL), modifications and field changes to the Dry Deck Shelter (DDS), and various systems and components for Special Operations Forces (SOF) Combat Diving. Current acquisition procurement programs of record are the Shallow Water Combat Submersible (SWCS), Dry Combat Submersible (DCS), SOF Combat Diving, Dry Deck Shelter (DDS), and Combatant Craft Light (CCL). SWCS is the next generation free-flooding combat submersible that transports SOF personnel and their combat equipment in hostile waters for a variety of missions. SOF units require specialized underwater systems that improve their warfighting capability and survivability in harsh operating environments. The DCS will provide the capability to insert and extract SOF and/or payloads into denied areas from strategic distances. The program is structured to minimize technical, cost, and schedule risks by leveraging commercial technologies, procedures, and classing methods to achieve an affordable DCS. CCL is a small combatant craft capable of supporting SOF operators for selected missions in multiple threat environments. SOF Combat Diving supports the unique requirements impacting fully equipped operators while conducting underwater, real-world missions; examples include underwater navigation, diving equipment, and underwater propulsion systems. These systems and equipment are used for infiltration/extraction, reconnaissance, beach obstacle clearance, and other missions. The capabilities of submersible systems and unique equipment provides small, highly trained forces the ability to successfully engage the enemy and conduct operations associated with SOF maritime missions. These capabilities will be pursued via rapid fielding techniques when appropriate.

For the Defense Wide Review (DWR), USSOCOM performed a comprehensive analysis of future capabilities and is reducing DDS modifications and field changes to better align with the Department's priorities as outlined in the National Defense Strategy (NDS) (-\$8.000 million).

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 2: Shipbuilding | | | | | P-1 Line Item Number / Title: 2010US / UNDERWATER SYSTEMS | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | Program Elements for Code B Items: N/A | | | | Other Related Program Elements: 1160483BB | | | |
| Line Item MDAP/MAIS Code: N/A | | | | | | | | | | |
| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | Category - Underwater Systems / 1 - Dry Deck Shelter (DDS) | | | | - / 33.522 | - / 21.249 | - / 18.117 | - / 8.519 | - / - | - / 8.519 ⁽¹⁾ |
| P-40a | Category - Underwater Systems / 2 - Shallow Water Combat Submersible (SWCS) | | | | - / 47.999 | - / 47.113 | - / 36.585 | - / 6.626 | - / - | - / 6.626 |
| P-40a | Category - Underwater Systems / 3 - Dry Combat Submersible (DCS) | | | | - / 51.924 | - / 58.881 | - / 3.009 | - / 1.249 | - / - | - / 1.249 |
| P-40a | Category - Underwater Systems / 4 - SOF Combat Diving | | | | - / 1.961 | - / 1.573 | - / 1.280 | - / 1.237 | - / - | - / 1.237 |
| P-40a | Category - Underwater Systems / 5 - Combatant Craft Light (CCL) | | | | - / - | - / - | - / - | - / 2.925 | - / - | - / 2.925 |
| P-40a | Category - Underwater Systems / Prior Years | | | | - / 68.618 | - / - | - / - | - / - | - / - | - / - |
| P-40 | Total Gross/Weapon System Cost | | | | - / 204.024 | - / 128.816 | - / 58.991 | - / 20.556 | - / - | - / 20.556 |
| *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 / Category Title when only P-40a Categories are shown. | | | | | | | | | | |
| Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding. | | | | | | | | | | |
| Justification: 1. DDS: The DDS is a certified diving system that attaches to modified host submarines and provides for insertion of SOF forces and platforms. United States Special Operations Command (USSOCOM) has a cost share agreement with the Navy to support the modernization of the DDS in order to accommodate current and future Naval Special Warfare payloads as well as large U.S. Navy payloads. FY 2021 PROGRAM JUSTIFICATION: Funding continues the support of the DDS modernization effort, which includes relocation of equipment inside the DDS Hangar to support current and future payloads. Funding also includes field changes for product improvements developed to overcome obsolescence and Diminishing Manufacturing Sources and Material Shortages (DMSMS). 2. SWCS: Shallow Water Combat Submersible (SWCS) is a free-flooding combat submersible mobility platform suitable for transporting and deploying SOF and their payloads for a variety of SOF missions. SWCS will be deployable from a DDS, surface ships, and land. FY 2021 PROGRAM JUSTIFICATION: Purchases Government Furnished Equipment (GFE), Engineering Change Proposals (ECP), detachment deployment packages, and initial spares. 3. DCS: The DCS provides SOF with a dry diver lock-in and lock-out capability that transports personnel and their combat equipment in hostile waters for a variety of missions. FY 2021 PROGRAM JUSTIFICATION: Purchases spares, GFE, ECP, system integration lab, and simulator. 4. SOF Combat Diving: This program integrates Combat Diving Equipment with all Undersea Systems and Platforms associated with SOF missions. SOF Combat Diving is designated an MTA program which uses the rapid fielding pathway and is executed using existing contracts, govt agencies, and new contracts competitively selected as appropriate. FY 2021 PROGRAM JUSTIFICATION: Procures deployment equipment, spares, ECPs, system integration, and product improvements to overcome obsolescence. 5. CCL: The CCL program is a small maritime combatant craft that supports deployment of six combat equipped SOF operators and their payloads for selected missions in multiple threat environments. Its compact form factor provides SOF with versatile mission transportability, deployment, and utility capabilities. | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 2: Shipbuilding | | P-1 Line Item Number / Title: 2010US / UNDERWATER SYSTEMS |
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160483BB |
| Line Item MDAP/MAIS Code: N/A | | |
| FY 2021 PROGRAM JUSTIFICATION: Procures three CCL craft. | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 2 | P-1 Line Item Number / Title: 2010US / UNDERWATER SYSTEMS | Aggregated Items Title: Underwater Systems |

⁽²⁾ DDS modernization is currently a 68/32 cost share between SOCOM MFP-11 and Department of the Navy MFP2. The initial Modernized DDS is projected to be \$48.100 million. The Modernization of the remaining shelters is projected to cost \$25.000 million each. The current plan is to modernize three of the DDS over the FYDP. We will be modernizing the second shelter in FY22 thru FY23 and then the third shelter in FY24 thru FY25.

⁽³⁾ DCS ECPs include install of depressurization pump and mid-water lock-in lock-out and enhancements to system integration lab and desktop simulator.

⁽⁴⁾ SOF Combat Diving quantities are a combination of both Maritime Environmental Protection and Navigation.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 3: Ammunition Programs | P-1 Line Item Number / Title: 0203ORD / ORDNANCE ITEMS <\$5M |
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| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160481BB, 1160431BB |
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Line Item MDAP/MAIS Code: N/A

| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
|--|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 884.988 | 417.346 | 412.244 | 186.197 | 105.355 | 291.552 | 188.013 | 185.499 | 251.376 | 232.940 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 884.988 | 417.346 | 412.244 | 186.197 | 105.355 | 291.552 | 188.013 | 185.499 | 251.376 | 232.940 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 884.988 | 417.346 | 412.244 | 186.197 | 105.355 | 291.552 | 188.013 | 185.499 | 251.376 | 232.940 | Continuing | Continuing |
| (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 Dollars</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This line item funds ordnance items, munitions, small/medium/large caliber ammunition, demolitions, pyrotechnics, explosive initiation devices, underwater munitions, grenades, foreign weapons and ammunition, air delivered munitions, precision guided munitions, and rockets for Special Operations Forces (SOF). Ammunition provided will allow SOF components to accomplish the required rapid fielding, annual training, and support required combat missions, and build toward the required war reserve quantities. This P-1 Line Item received Overseas Contingency Operations (OCO) funding in FY 2019 (\$100.850 million) and FY 2020 OCO for Enduring Operations (\$138.252 million). FY 2021 funding includes OCO for Direct War Costs (\$49.505 million) and OCO for Enduring Requirements (\$55.850 million). These capabilities will be pursued via rapid fielding techniques when appropriate.

For the Defense Wide Review (DWR), US Special Operations Command performed a comprehensive analysis of future capabilities and is reducing the Ammunition and Stand-Off precision Guided Munitions (SOPGM) programs to better align with the Department's priorities as outlined in the National Defense Strategy.

-\$4.013 million - Small Caliber Bullets - Reduces procurement of rifle ammunition (1,190,000 rounds), machine gun ammunition (640,000 rounds) and foreign ammunition (395,400 rounds).

-\$8.290 million - Demolition, Breaching and Pyrotechnics - Reduces grenade offensive/smoke munitions (12,540 grenades), training devices (6,900 devices), and explosives, firing devices, and accessories (23,938 devices).

-\$11.268 million - Precision Strike Systems (PSS) - Reduces procurement of manpackable and vehicle mount PSS munitions (57 rounds) and manpack and vehicle mount launcher and control kits (2 kits).

-\$45.000 million - SOPGM - Increase in unit cost and decrease on quantity of munitions which reduces War Reserve Materiel (WRM) stock. Eliminate procurement of mini munitions, decrease procurement of Griffin with datalink munitions by 251 units, decrease procurement of Small Guided Munitions (SGM) with datalink by 185 units, and decrease procurement of Laser Small Diameter Bombs (LSDBs) by 250 units.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 3: Ammunition Programs | | | | | P-1 Line Item Number / Title: 0203ORD / ORDNANCE ITEMS <\$5M | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: N/A | | | | Other Related Program Elements: 1160481BB, 1160431BB | | |
| Line Item MDAP/MAIS Code: N/A | | | | | | | | | | |
| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | ORDNANCE ITEMS <\$5M | | | | - / 884.988 | - / 417.346 | - / 412.244 | - / 186.197 | - / 105.355 | - / 291.552 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 884.988 | - / 417.346 | - / 412.244 | - / 186.197 | - / 105.355 | - / 291.552 |
| *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: | | | | | | | | | | |
| 1. Air Delivered Munitions. Program provides AC-130 gunship munitions to include several tactical and training configurations of the 105mm, 30mm, and fuzes, including the associated safety certification, Insensitive Munitions (IM) qualification, production engineering and transportation. | | | | | | | | | | |
| FY 2021 PROGRAM JUSTIFICATION: Procures and qualifies air delivered ammunition to meet mission requirements required to maintain AC-130 Gunship crew mission-related readiness skills and provides combat mission support. Procures several tactical and training configurations of 105mm and 30mm ammunition and fuzes. Due to differences in complexity and/or materials of these configurations, the Unit Costs can vary considerably by item. In addition, for some 30mm capabilities, the cost to SOCOM is a modification/re-pack of a Service Common Munition, which is a much lower cost (~\$15-\$30) than a complete Munition (~\$130-\$175). Replenishes munitions expended in real-world events and training. Actual quantities vary depending on training requirements. | | | | | | | | | | |
| 2. Small Caliber Bullets. Provides barrel launched munitions including the associated safety certification, IM qualification, production engineering and transportation. Provides several tactical and training configurations of U.S. and non-standard foreign munitions, weapons and related equipment, in calibers of 4.6mm, 5.45mm, 5.56mm, 6.5mm, .260, 7.62mm, .300, .338, 9mm, .357, .380, .40, .44, .45, .50, 12.7mm, 14.7mm, 12 gauge, 25mm, 40mm, 60mm, 64mm, 66mm, 81mm, 84mm, 105mm, 4.2", 107mm, 120mm, 155mm, rocket propelled grenades and other calibers as required. | | | | | | | | | | |
| FY 2021 PROGRAM JUSTIFICATION: Funding procures the following munitions: Handgun, Rifle, Sniper Rifle, and Machine Gun (all types of 5.56mm, 7.62mm, 40mm, .300 WM, .50 Caliber, .260, 6.5MM, .300NM, and .338NM); replenishes munitions expended in real-world events and training. Procures various types of Non-Standard foreign ammunition. Actual quantities vary depending on training requirements. | | | | | | | | | | |
| 3. Demolition, Breaching and Pyrotechnics. Provides Demolition, Breaching and Pyrotechnics munitions including the associated safety certification, IM qualification, production engineering and transportation. Provides several tactical and training configurations of munitions and related equipment of explosively formed penetrators, conical shape charges, linear shaped charges, diversionary devices, demolition hand grenades, breaching devices, explosives, firing devices, underwater munitions, flares, signaling devices, along with tools, equipment, and attaching devices for constructing and emplacing a variety of demolition charges and other munitions as required. | | | | | | | | | | |
| FY 2021 PROGRAM JUSTIFICATION: Procures grenades (offensive/smoke), training devices, a variety of demolition materiel consisting of explosives, firing devices, and accessories. Replenishes munitions expended in real-world events and training. Actual quantities vary depending on training requirements. | | | | | | | | | | |
| 4. Shoulder Fired Munitions and Rockets. Provides unguided and laser-guided shoulder fired munitions, launchers and rockets, including the associated safety certification, IM qualification, production engineering and transportation. Provides tactical and training configurations of munitions and related equipment providing armored vehicle destruction, bunker and hardened facility destruction, soft target destruction, fire from enclosure, anti-personnel, smoke obscuration, visible and infrared illumination, as well as sub-caliber training devices with back blast simulation. These systems give SOF extended range fires to operate where no artillery, mortar, or armor support is available. | | | | | | | | | | |
| FY 2021 PROGRAM JUSTIFICATION: Replenishes shoulder-fired munitions expended in real-world events and training. Actual quantities vary depending on training requirements. | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 3: Ammunition Programs | | P-1 Line Item Number / Title: 0203ORD / ORDNANCE ITEMS <\$5M |
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160481BB, 1160431BB |
| Line Item MDAP/MAIS Code: N/A | | |
| <p>5. Precision Strike Systems (PSS). Provides a family of precision strike munitions with the ability to rapidly Launch, Fly, Track and Engage stationary and moving targets in a variety of environments. The PSS provide SOF units an organic capability in contested and multi-domain battlefield where close-air support may not be available. Man-packable and vehicle mounted systems with Electro Opti/Infrared (EO/IR) sensor downlink keeps operators in-the-loop. Datalink, GPS, and inertial aided guidance extends range beyond laser-guided shoulder launched munitions.</p> <p>FY2021 PROGRAM JUSTIFICATION: Procures approximately 22 man-packable guided munitions, three man-pack PSS (control kit), 11 vehicle mount PSS medium range platform launched munitions, and two vehicle mount PSS (launcher and control kit). Actual quantities may vary based on the data transmit units, ground control stations, and associated support equipment to be supplied.</p> <p>6. Stand-Off Precision Guided Munitions (SOPGM). Provides Precision Guided Munitions including the associated safety certification, IM qualification, production engineering, transportation, and provides for the integration of service-common and SOF-unique SOPGM munitions onto SOF platforms to support lethal strike and armed over-watch capability on the battlefield. Includes procurement of SOF-peculiar munitions for designated SOF platforms and modification of Service-provided munitions to meet specific SOF mission sets including first-pass lethality, low collateral damage requirements, time-sensitive High Value Targets, and dynamic moving targets. This program received Overseas Contingency Operations (OCO) funding in FY 2019 and FY 2020. This program is a DoD high interest item.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures approximately 876 SOPGMs and integration & shipping. Budget enables production of 482 SOF-peculiar and 394 Service-provided modified munitions. Production numbers enhance operational planning flexibility and establishing war reserve materiel inventories.</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Procures approximately 1022 SOPGMs. Budget enables maximum production of SOF-peculiar munitions. Production numbers enhance operational planning flexibility and replenishes annual combat expenditures.</p> | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 3 | | | | | | P-1 Line Item Number / Title: 0203ORD / ORDNANCE ITEMS <\$5M | | | | | | Aggregated Items Title: ORDNANCE ITEMS <\$5M | | | | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 Total | | |
| | | | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 1. Air Delivered Munitions | | | | | | | | | | | | | | | | | | | | |
| 1a / 105MM | | | - | - | 53.624 | 760.00 | 31,318 | 23.802 | 777.50 | 32,000 | 24.880 | 794.00 | 32,500 | 25.805 | - | - | - | 794.00 | 32,500 | 25.805 |
| 1b / 30MM | | | - | - | 53.394 | 149.96 | 175,896 | 26.377 | 153.85 | 39,000 | 6.000 | 156.78 | 39,452 | 6.185 | - | - | - | 156.78 | 39,452 | 6.185 |
| 1c / Prior Years Funding | | | - | - | 64.568 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1d / Prior Years Funding - Overseas Contingency Operations (OCO) | | | - | - | 10.769 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 1. Air Delivered Munitions | | | - | - | 182.355 | - | - | 50.179 | - | - | 30.880 | - | - | 31.990 | - | - | - | - | - | 31.990 |
| 2. Small Caliber Bullets | | | | | | | | | | | | | | | | | | | | |
| 2a / 40MM | | | - | - | 5.089 | 42.19 | 8,177 | 0.345 | 44.27 | 8,177 | 0.362 | 46.35 | 8,577 | 0.398 | - | - | - | 46.35 | 8,577 | 0.398 |
| 2b / Handgun Ammunition | | | - | - | 0.129 | 0.50 | 400,000 | 0.200 | 0.53 | 400,000 | 0.212 | 0.56 | 400,000 | 0.224 | - | - | - | 0.56 | 400,000 | 0.224 |
| 2c / Rifle Ammunition | | | - | - | 53.251 | 1.49 | 9,606,000 | 14.313 | 1.56 | 6,920,000 | 10.806 | 1.63 | 7,690,680 | 12.536 | - | - | - | 1.63 | 7,690,680 | 12.536 |
| 2d / Machine-Gun Ammunition | | | - | - | 68.002 | 2.27 | 8,325,724 | 18.900 | 2.38 | 7,346,724 | 17.477 | 2.48 | 6,656,974 | 16.509 | - | - | - | 2.48 | 6,656,974 | 16.509 |
| 2e / Foreign Ammunition | | | - | - | 15.542 | 1.13 | 3,861,873 | 4.364 | 1.18 | 3,489,473 | 4.135 | 1.23 | 3,094,373 | 3.806 | - | - | - | 1.23 | 3,094,373 | 3.806 |
| 2f / Prior Years Funding - OCO | | | - | - | 0.675 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 2. Small Caliber Bullets | | | - | - | 142.688 | - | - | 38.122 | - | - | 32.992 | - | - | 33.473 | - | - | - | - | - | 33.473 ⁽¹⁾ |
| 3. Demolition, Breaching, and Pyrotechnics | | | | | | | | | | | | | | | | | | | | |
| 3a / Grenade Offensive/ Smoke (All Types) | | | - | - | 22.163 | 109.00 | 27,400 | 2.987 | 111.20 | 30,424 | 3.383 | 113.37 | 19,884 | 2.254 | - | - | - | 113.37 | 19,884 | 2.254 |
| 3b / Training Devices | | | - | - | 3.977 | 202.00 | 8,700 | 1.757 | 206.03 | 10,344 | 2.131 | 210.20 | 7,844 | 1.649 | - | - | - | 210.20 | 7,844 | 1.649 |
| 3c / Explosives, Firing Devices, and Accessories | | | - | - | 38.595 | 214.10 | 55,741 | 11.934 | 220.52 | 64,862 | 14.303 | 226.33 | 55,312 | 12.519 | - | - | - | 226.33 | 55,312 | 12.519 |
| 3d / Flares - Two Burst - OCO | | | - | - | 23.000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 3e / Flares | | | - | - | - | 666.59 | 19,400 | 12.932 | 676.05 | 18,500 | 12.507 | 685.88 | 20,940 | 14.362 | - | - | - | 685.88 | 20,940 | 14.362 |
| Subtotal: 3. Demolition, Breaching, and Pyrotechnics | | | - | - | 87.735 | - | - | 29.610 | - | - | 32.324 | - | - | 30.784 | - | - | - | - | - | 30.784 ⁽²⁾ |
| 4. Shoulder-Fired Munitions and Rockets | | | | | | | | | | | | | | | | | | | | |
| 4a / Shoulder-Fired Munitions | | | - | - | 46.501 | 1,737.05 | 8,685 | 15.086 | 1,749.82 | 6,679 | 11.687 | 1,763.21 | 3,239 | 5.711 | - | - | - | 1,763.21 | 3,239 | 5.711 |
| 4b / Rockets | | | - | - | 14.879 | 1,759.00 | 1,957 | 3.442 | - | - | - | - | - | - | - | - | - | - | - | - |
| 4c / Guided Missiles | | | - | - | - | 215,116.27 | 86 | 18.500 | - | - | - | - | - | - | - | - | - | - | - | - |
| 4d / Prior Years Funding | | | - | - | 6.049 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|----------------|------------|-------------------|----------------|---|-------------------|----------------|------------|-------------------|----------------|------------|---|---------------------|------------|-------------------|----------------|------------|----------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 3 | | | | | | | P-1 Line Item Number / Title: 0203ORD / ORDNANCE ITEMS <\$5M | | | | | | | Aggregated Items Title: ORDNANCE ITEMS <\$5M | | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 Total | | |
| | | | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| Subtotal: 4. Shoulder-Fired Munitions and Rockets | | | - | - | 67.429 | - | - | 37.028 | - | - | 11.687 | - | - | 5.711 | - | - | - | - | - | 5.711 |
| 5. Precision Strike Systems (PSS) | | | | | | | | | | | | | | | | | | | | |
| 5a / Manpackable PSS (rounds) ⁽³⁾ | | | - | - | - | - | - | - | 146,837.00 | 28 | 4.111 | 148,121.00 | 22 | 3.259 | - | - | - | 148,121.00 | 22 | 3.259 |
| 5b / Manpack PSS (control kit) | | | - | - | - | - | - | - | 109,748.00 | 7 | 0.768 | 111,631.00 | 3 | 0.335 | - | - | - | 111,631.00 | 3 | 0.335 |
| 5c / Vehicle mount PSS (rounds) | | | - | - | - | 214,000.00 | 5 | 1.070 | 212,324.00 | 23 | 4.883 | 214,000.00 | 11 | 2.354 | - | - | - | 214,000.00 | 11 | 2.354 |
| 5d / Vehicle mount PSS (launcher & control kit) | | | - | - | - | 1,760K | 1 | 1.760 | 769,469.00 | 4 | 3.078 | 776,222.50 | 2 | 1.552 | - | - | - | 776,222.50 | 2 | 1.552 |
| 5e / Prior Year Funding - Overseas Contingency Operations (OCO) | | | - | - | 2.800 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 5. Precision Strike Systems (PSS) | | | - | - | 2.800 | - | - | 2.830 | - | - | 12.841 | - | - | 7.500 | - | - | - | - | - | 7.500 ⁽⁴⁾ |
| 6. Stand-Off Precision Guided Munitions (SOPGM) | | | | | | | | | | | | | | | | | | | | |
| 6a / SOPGM | | | - | - | 214.358 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 6b / SOPGM - Overseas Contingency Operations (OCO) | | | - | - | 187.623 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 6c / Griffin Missiles - OCO | | | - | - | - | 80,700.00 | 325 | 26.228 | 83,519.00 | 1,021 | 85.273 | - | - | - | - | - | - | - | - | - |
| 6d / Griffin Missiles - OCO with Datalink | | | - | - | - | - | - | - | - | - | - | - | - | - | 103,680.00 | 226 | 23.431 | 103,680.00 | 226 | 23.431 |
| 6e / Small Glide Munition - OCO | | | - | - | - | 81,300.00 | 750 | 60.975 | 86,906.00 | 361 | 31.373 | - | - | - | - | - | - | - | - | - |
| 6f / Small Glide Munition - OCO with Datalink | | | - | - | - | - | - | - | - | - | - | - | - | - | 102,700.00 | 252 | 25.880 | 102,700.00 | 252 | 25.880 |
| 6g / Laser Small Diameter Bombs Modification - OCO | | | - | - | - | 41,700.00 | 200 | 8.340 | 43,068.00 | 500 | 21.534 | - | - | - | - | - | - | - | - | - |
| 6h / SOF Hellfire Modification - OCO | | | - | - | - | 53,000.00 | 50 | 2.650 | - | - | - | - | - | - | - | - | - | - | - | - |
| 6i / SOF Miniature Munitions - OCO | | | - | - | - | 41,000.00 | 115 | 4.715 | - | - | - | - | - | - | - | - | - | - | - | - |
| 6j / Integration & Shipping - OCO | | | - | - | - | - | - | 13.172 | - | - | 0.072 | - | - | - | - | - | - | - | - | - |
| 6k / Griffin - Base | | | - | - | - | 80,700.00 | 949 | 76.584 | 103,664.00 | 265 | 27.471 | 89,678.00 | 200 | 17.936 | - | - | - | 89,678.00 | 200 | 17.936 |
| 6l / Griffin - Base with Datalink | | | - | - | - | - | - | - | - | - | - | 103,680.00 | 263 | 27.268 | - | - | - | 103,680.00 | 263 | 27.268 |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 3 | | | | | | | | P-1 Line Item Number / Title: 0203ORD / ORDNANCE ITEMS <\$5M | | | | | | | | Aggregated Items Title: ORDNANCE ITEMS <\$5M | | | |

| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 Total | | |
|--|-------|----------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------|----------------|------------|-------------------------------|
| | | | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) | Unit Cost (\$) | Qty (Each) | Total Cost (\$ M) |
| 6m / Small Glide Munition (SGM) - Base | | | - | - | - | 81,300.00 | 250 | 20.325 | 83,153.00 | 639 | 53.135 | - | - | - | - | - | - | - | - | - |
| 6n / SGM - OCO | | | - | - | - | - | - | - | - | - | - | - | - | - | 89,000.00 | 165 | 14.685 | 89,000.00 | 165 | 14.685 |
| 6o / SGM - Base with Datalink | | | - | - | - | - | - | - | 102,744.00 | 270 | 27.741 | - | - | - | 102,700.00 | 340 | 34.918 | 102,700.00 | 340 | 34.918 |
| 6p / SGM in Common Ejection Tube (CET) without Datalink (OCO) | | | - | - | - | - | - | - | - | - | - | - | - | - | 118,700.00 | 39 | 4.629 | 118,700.00 | 39 | 4.629 |
| 6q / SGM in CET with Datalink | | | - | - | - | - | - | - | - | - | - | 132,700.00 | 19 | 2.521 | - | - | - | 132,700.00 | 19 | 2.521 |
| 6r / Laser Small Diameter Bomb (SDB) Guided Test Vehicle (GTV) Modification - Base | | | - | - | - | 41,700.00 | 300 | 12.510 | 320,000.00 | 8 | 2.560 | 44,880.00 | 250 | 11.220 | - | - | - | 44,880.00 | 250 | 11.220 |
| 6s / SOF Hellfire Modification - Base | | | - | - | - | 53,000.00 | 100 | 5.300 | 53,000.00 | 144 | 7.632 | 54,063.00 | 144 | 7.785 | - | - | - | 54,063.00 | 144 | 7.785 |
| 6t / SOF Miniature Munitions - Base | | | - | - | - | 41,000.00 | 300 | 12.300 | 45,000.00 | 187 | 8.415 | - | - | - | - | - | - | - | - | - |
| 6u / Integration & Shipping - Base | | | - | - | - | - | - | 16.478 | - | - | 26.314 | - | - | 10.009 | - | - | - | - | - | 10.009 |
| 6v / Integration & Shipping - OCO | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.811 | - | - | 1.811 |
| Subtotal: 6. Stand-Off Precision Guided Munitions (SOPGM) | | | - | - | 401.981 | - | - | 259.577 | - | - | 291.520 | - | - | 76.739 | - | - | 105.355 | - | - | 182.094 ⁽⁵⁾ |
| Total | | | - | - | 884.988 | - | - | 417.346 | - | - | 412.244 | - | - | 186.197 | - | - | 105.355 | - | - | 291.552 |

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

Footnotes:

- (1) For the Defense Wide Review (DWR), United States Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing procurement of rifle ammunition (1,190,000 rounds), machine gun ammunition (640,000 rounds) and foreign ammunition (395,400 rounds) (-\$4.013 million)..
- (2) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing grenade offensive/smoke munitions (12,540 grenades), training devices (6,900 devices), and explosives, firing devices, and accessories (23,938 devices) (-\$8.290 million).
- (3) Precision Strike Systems (PSS) munitions were previously reported in this P40-a under Shoulder-Fired Munitions and Rockets.
- (4) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing procurement of manpackable and vehicle mount PSS munitions (57 rounds) and manpack and vehicle mount launcher and control kits (2 kits) (-\$11.268 million).
- (5) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities resulting in an increase in unit cost and decrease on quantity of munitions which reduces War Reserve Materiel (WRM) stock. Eliminate procurement of mini munitions, decrease procurement of Griffin with datalink munitions by 251 units, decrease procurement of Small Guided Munitions (SGM) with datalink by 185 units, and decrease procurement of Laser Small Diameter Bombs (LSDBs) by 250 units (-\$45.000 million).

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | | | | | | P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | Program Elements for Code B Items: 1160405BB | | | | | Other Related Program Elements: 1160405BB | | | | |
| Line Item MDAP/MAIS Code: N/A | | | | | | | | | | | | |
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 1,760.493 | 105.922 | 117.141 | 94.982 | 16.234 | 111.216 | 133.077 | 138.603 | 141.311 | 145.572 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 1,760.493 | 105.922 | 117.141 | 94.982 | 16.234 | 111.216 | 133.077 | 138.603 | 141.311 | 145.572 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 1,760.493 | 105.922 | 117.141 | 94.982 | 16.234 | 111.216 | 133.077 | 138.603 | 141.311 | 145.572 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | 21.075 | - | 0.976 | - | - | - | - | - | - | - | Continuing | Continuing |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This P-1 line item is part of the Military Intelligence Program. This line item provides for the identification, testing, and rapid fielding of Special Operations Forces (SOF) intelligence equipment to identify and eliminate deficiencies in providing timely intelligence to deployed forces. Sub-projects address the primary areas of intelligence dissemination, sensor systems, integrated threat warning to SOF mission platforms, and tactical exploitation of national system capabilities. The systems procured in this line item are Joint Threat Warning System (JTWS); Special Operations Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA); Tactical Local Area Network (TACLAN); Hostile Forces-Tagging, Tracking, and Locating (HF-TTL); Special Operations Command, Research, Analysis and Threat Evaluation System (SOCRATES); Sensitive Site Exploitation (SSE), and Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOFPREP). This P-1 line item received FY 2019 Overseas Contingency Operations (OCO) funding (\$20.790 million) and FY 2020 OCO funding (\$16.500 million). FY 2021 funding includes OCO for Enduring Requirements (\$16.234 million).

U.S. Special Operations Command (USSOCOM) has developed an overall strategy to ensure that Command, Control, Communications, Computers, and Intelligence (C4I) systems continue to provide SOF with the required capabilities into the 21st century. USSOCOM's C4I programs are comprised of an integrated network of systems providing positive command and control and the timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems that support this architecture employ the latest standards and technology by transitioning from separate systems to full integration with the SOF Information Environment (SIE). The SIE allows SOF elements to operate with any force combination in multiple environments. The intelligence programs funded in this line item will meet annual emergent requirements and are grouped by the level of organizational element they support: Operational Element (Team) and Above Operational Element (Garrison). These capabilities will be pursued via rapid fielding techniques when appropriate.

For the Defense Wide Review (DWR), USSOCOM performed a comprehensive analysis of future capabilities and is reducing the HF-TTL, JTWS, SOTVS, and TACLAN programs to better align with the Department's priorities as outlined in the National Defense Strategy (-\$7.810 million).

- \$0.336 million - JTWS - reduces one Maritime variant and TTV spares.
- \$1.297 million - SOTVS - reduces one RSTA Sensor kit and seven RSTA Tactical Reconnaissance kits.
- \$0.176 million - TACLAN - reduces two Prime Mission Equipment (PME) Suites - Block II Capital Equipment Replacement Program (CERP) and ancillary equipment.
- \$6.001 million - HF-TTL - reduces five Mission sets.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS |
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| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: 1160405BB | Other Related Program Elements: 1160405BB |
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| Line Item MDAP/MAIS Code: N/A |
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| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | Category - Intelligence Systems / 1 - Joint Threat Warning Systems (JTWS) | | | | - / 368.489 | - / 39.348 | - / 53.432 | - / 62.324 | - / - | - / 62.324 ⁽¹⁾ |
| P-40a | Category - Intelligence Systems / 2 - Tactical Video System/ Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA) | | | | - / 120.308 | - / 22.234 | - / 21.463 | - / 3.241 | - / 16.234 | - / 19.475 ⁽²⁾ |
| P-40a | Category - Intelligence Systems / 3 - Tactical Area Local Network (TACLAN) | | | | - / 35.633 | - / 2.470 | - / 2.208 | - / 2.076 | - / - | - / 2.076 ⁽³⁾ |
| P-40a | Category - Intelligence Systems / 4 - Hostile Forces Tagging, Tracking, and Locating (HF-TTL) | | | | - / 376.917 | - / 18.686 | - / 19.243 | - / 14.057 | - / - | - / 14.057 ⁽⁴⁾ |
| P-40a | Category - Intelligence Systems / 5 - Special Operations Research, Analysis and Threat Evaluation System (SOCRATES) | | | | - / 82.451 | - / 8.189 | - / 12.505 | - / 9.787 | - / - | - / 9.787 |
| P-40a | Category - Intelligence Systems / 6 - Sensitive Site Exploitation (SSE) | | | | - / 51.713 | - / 11.162 | - / 7.453 | - / 2.674 | - / - | - / 2.674 |
| P-40a | Category - Intelligence Systems / 7 - Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOPREP) | | | | - / 1.304 | - / 3.833 | - / 0.837 | - / 0.823 | - / - | - / 0.823 |
| P-40a | Category - Intelligence Systems / 8 - Prior Year | | | | - / 723.678 | - / - | - / - | - / - | - / - | - / - |
| P-40 | Total Gross/Weapon System Cost | | | | - / 1,760.493 | - / 105.922 | - / 117.141 | - / 94.982 | - / 16.234 | - / 111.216 |

*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 / Category Title when only P-40a Categories are shown.

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

Justification:
OPERATIONAL ELEMENT (TEAM)

1. JTWS. This program is an evolutionary acquisition program effort for Signals Intelligence. The JTWS System of Systems (SoS) enables the Joint Components, through their SOF Cryptologic Operators, to collect, process, locate and exploit threat communications signals of interest in order to provide timely, relevant, and responsive intelligence, cross-cueing, enhanced target acquisition, and threat avoidance information directly to the SOF Commanders. Intelligence gathered is then transposed to National Databases. The JTWS SoS is comprised of four variants: Ground SIGINT Kit (GSK); Maritime; Air; and Unmanned Aerial Systems (UAS). Each variant has additional requirements for Communications Intelligence, Electronic Intelligence, and Precision Geo-location. The contracting strategy uses a mixture of full and open competition for prime integrators and indefinite delivery/indefinite quantity contracts for Commercial off-the-Shelf (COTS) procurement with new development only as necessary.

FY 2021 PROGRAM JUSTIFICATION: Funds the CERP of 26 GSK kit variants, CERP of 11 AVS variants, three PGL ground kits, CERP of 10 PGL ground kits, one PGL Air kit, CERP of one Team Transportable Variant (TTV) Evolutionary Technical Insertion (ETI), two Unmanned Aerial Collection Systems, seven Maritime variants, one PGL Maritime kit, and initial training and spares.

2. TVS/RSTA. This program provides SOF with critical Special Reconnaissance (SR) equipment that directly supports the planning and execution of SOF missions. This capability allows the SOF warfighter to meet SOF SR mission requirements to find, fix, finish, exploit, analyze, and disseminate information of adversary's movement, construct, identification, location; and associated things and activities. TVS/ RSTA provides Global Combatant Commanders (GCCs) and SOF operators with an immediate capability to visually and electronically acquire people, things, and activities and provides actionable intelligence for SOF planners and Commanders. The TVS/RSTA program consists of a Family of Systems (FoS) that employs an evolutionary acquisition strategy for Evolutionary Technology Insertions (ETI) (supplemented with commodity procurement) to enhance the performance of specific kits. These ETI modifications vary in both cost and quantity. The FoS consists of interoperable equipment to capture and transfer near-real-time ground-based, tactical day/night/reduced visibility, imagery, video, and electronic proximity and movement sensing, all capable of dissemination through SOF organic, global C4I, and commercial communications infrastructures. Kits are type designated as RSTA or TVS Mission Kits. RSTA kits are operationally configured as Sensor Kits; Tactical Reconnaissance (RECCE) Kit; Remote Observation

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS |
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: 1160405BB | Other Related Program Elements: 1160405BB |
| Line Item MDAP/MAIS Code: N/A | | |
| Post (ROP); Unattended Ground Sensors/Unattended Maritime Sensors (UGS/UMS); Maritime Combat TVS/RSTA Kit; and Austere Location Force Protection Kits (ALFPK). This program received Overseas Contingency Operating (OCO) funding in FY 2019 and FY 2020. | | |
| FY 2021 PROGRAM JUSTIFICATION: Procures four Sensor Kits, two UGS, 28 RECCE Kits, one ROP Kit, one TVS Kit, 22 Austere Location Force Protection Kits (ALFPK), and two Maritime TVS/RSTA Kits. | | |
| FY 2021 OCO PROGRAM JUSTIFICATION: Procures 21 Austere Location Force Protection Kits (ALFPK). | | |
| 3. TACLAN. Provides SOF operational commanders and forward deployed forces advanced automated data processing and display capabilities, facilitating the interchange of classified and unclassified information to support situational awareness, mission planning, rehearsal, and execution, and Command and Control (C2) of forces in tactical environments. The program consists of information technology hardware, software and ancillary equipment, including network servers, routers, switches, storage and computing end user devices, and common and specialized user applications. The family of systems is mobile, modular, and size configurable to suit peculiar mission needs that support SOF users from the individual to the Special Operations Task Force (SOTF) echelon. TACLAN modular network suites include Top Secret/Sensitive Compartmentalized Information (TS/SCI) enclaves. | | |
| FY 2021 PROGRAM JUSTIFICATION: Procures CERP of 13 TACLAN TS/SCI enclaves for the modular network suites and ancillary equipment. | | |
| 4. HF-TTL. This program provides SOF with critical tools to enhance situational awareness for the planning and execution of SOF missions. This capability allows SOF to find, fix, and finish target assets through the emplacement of sophisticated tags and devices that feed into an integrated architecture. Through rapid acquisition HF-TTL provides GCCs and SOF operators with an immediate capability to tag, track, and locate people, things and activities. The HF-TTL program provides actionable intelligence for SOF planners. The Mission Sets are comprised of a mix of different classes of tags and their associated detection, interrogation, viewing, tracking, and communications systems that are fielded annually to each SOF Component Command and Theater Special Operations Command (TSOC) based upon dynamic and emergent SOF operational requirements. | | |
| FY 2021 PROGRAM JUSTIFICATION: Procures 11 mission sets. | | |
| ABOVE OPERATIONAL ELEMENT (GARRISON) | | |
| 5. SOCRATES. This program is the SOF extension of the Joint Worldwide Intelligence Communications System network and is used to develop, acquire and support garrison automated intelligence system requirements for SOF organizations worldwide. It provides the capabilities to exercise command and control, planning, collection, collaboration, data processing, video mapping, a wide-range of automated intelligence analysis, direction, intelligence dissemination, imagery tools and applications, to include secondary imagery dissemination, and news and message traffic. The system ensures intelligence support to mission planning and the intelligence preparation of the battle space by connecting numerous data repositories while maintaining information assurance. The system supports Headquarters USSOCOM, its component commands, TSOCs and forward based SOF units. SOCRATES is composed of state-of-the-art networking devices (firewalls, routers, switches, hubs, and modems), servers, storage devices, video teleconference, secure voice, workstations, associated peripherals and government-off-the-shelf /commercial-off-the-shelf software. | | |
| FY 2021 PROGRAM JUSTIFICATION: Procures equipment to support expansion of Components and Theater Special Operations Commands (TSOCs) and provides Video Teleconference and secure voice capability to SOCRATES. | | |
| 6. SSE. This program uses rapid acquisition to procure Biometric and Forensic technologies that provide state-of-the art capabilities to the Warfighter thus allowing for exploitation of documents, electronic data, material and forensic evidence on sensitive sites/objectives. Biometrics kits allow collection and transmission of unique, measurable biometric signatures from personnel, including live/latent fingerprints, iris patterns, and facial features. It also provides a means to verify against and enroll subjects into the DoD authoritative database, and to query that database to support hold or release decisions. Forensic kits enable on-objective linking of events to specific persons through chemical analysis, latent fingerprints, cell phones and computer data analysis, and Deoxyribonucleic Acid (DNA) collection. Exploitation Analysis Centers (EACs) provide theater-level forensic laboratory capabilities for more in-depth exploitation of captured materiel. | | |
| FY 2021 PROGRAM JUSTIFICATION: Procures two Forensic Exploitation Analysis Center equipment and CERP of 55 forensic exploitation kits. | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS |
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: 1160405BB | Other Related Program Elements: 1160405BB |
| Line Item MDAP/MAIS Code: N/A | | |
| <p>7. SOFPREP. This program serves as the intelligence focal point for production of SOF enhanced Geospatial Intelligence (GEOINT) (maps, imagery, and terrain data) and 3D scene visualization databases. SOFPREP gathers, processes, exploits, disseminates and manages classified high resolution 3D databases and GEOINT data in support of SOF training, mission rehearsal and execution systems. The program builds the SOF common geospatial environment and manages the authoritative database of SOF-specific GEOINT terrain data. SOFPREP is a NGA-certified co-producer in support of time-sensitive SOF-specific requirements. Acquires emerging COTS to accelerate computational processing applied to exploitation of GEOINT data, speeding production of 3D databases used by Components for realistic and unique joint SOF training and mission rehearsal for current operations.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures evolutionary technology insertions for GEOINT Processing, Exploitation and Dissemination.</p> | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|---|-------------------|------------------|------------|-----------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS | | | | | | | | | | Aggregated Items Title: Intelligence Systems | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) | |
| 1 - Joint Threat Warning Systems (JTWS) | | | | | | | | | | | | | | | | | | | | | |
| 1.1 / Ground SIGNIT KIT (GSK) Variant - Capital Equipment Replacement Program (CERP) | | | - | - | 104.988 | 0.449 | 25 | 11.233 | 0.593 | 23 | 13.636 | 0.599 | 26 | 15.574 | - | - | - | 0.599 | 26 | 15.574 | |
| 1.2 / Air Variant System (AVS) | | | - | - | 0.780 | - | - | - | 0.489 | 2 | 0.977 | - | - | - | - | - | - | - | - | - | |
| 1.3 / AVS - CERP | | | - | - | 40.652 | 0.192 | 17 | 3.270 | 0.492 | 9 | 4.426 | 0.496 | 11 | 5.456 | - | - | - | 0.496 | 11 | 5.456 | |
| 1.4 / Precision Geo Location (PGL) Ground Kits | | | - | - | 50.049 | 2.202 | 1 | 2.202 | - | - | - | 1.804 | 3 | 5.412 | - | - | - | 1.804 | 3 | 5.412 | |
| 1.5 / PGL Ground - CERP | | | - | - | 75.359 | 1.889 | 7 | 13.224 | 1.741 | 10 | 17.414 | 1.804 | 10 | 18.040 | - | - | - | 1.804 | 10 | 18.040 | |
| 1.6 / PGL Air | | | - | - | 6.017 | 1.300 | 1 | 1.300 | 1.320 | 1 | 1.320 | 1.347 | 1 | 1.347 | - | - | - | 1.347 | 1 | 1.347 | |
| 1.7 / Team Transportable Variant (TTV) - CERP Evolutionary Technical Insertions (ETI) | | | - | - | 2.504 | 0.415 | 1 | 0.415 | 1.329 | 1 | 1.329 | 1.681 | 1 | 1.681 | - | - | - | 1.681 | 1 | 1.681 | |
| 1.8 / Unmanned Aerial Collection Systems | | | - | - | 1.756 | 0.126 | 2 | 0.252 | 0.128 | 2 | 0.256 | 0.134 | 2 | 0.268 | - | - | - | 0.134 | 2 | 0.268 | |
| 1.9 / Maritime Variant | | | - | - | 16.060 | 1.552 | 4 | 6.208 | 1.606 | 8 | 12.844 | 1.624 | 7 | 11.368 | - | - | - | 1.624 | 7 | 11.368 | |
| 1.10 / Maritime PGL | | | - | - | - | - | - | - | - | - | - | 1.624 | 1 | 1.624 | - | - | - | 1.624 | 1 | 1.624 | |
| 1.11 / GSK - Initial Training | | | - | - | 1.128 | - | - | 0.119 | - | - | 0.120 | - | - | 0.142 | - | - | - | - | - | 0.142 | |
| 1.12 / AVS - Initial Training | | | - | - | 0.420 | - | - | 0.051 | - | - | 0.052 | - | - | 0.073 | - | - | - | - | - | 0.073 | |
| 1.13 / AVS Spares | | | - | - | 4.565 | - | - | 0.545 | - | - | 0.553 | - | - | 0.604 | - | - | - | - | - | 0.604 | |
| 1.14 / TTV - Initial Training | | | - | - | 0.488 | - | - | 0.041 | - | - | 0.042 | - | - | 0.063 | - | - | - | - | - | 0.063 | |
| 1.15 / TTV Spares | | | - | - | 11.192 | - | - | 0.090 | - | - | 0.059 | - | - | 0.100 | - | - | - | - | - | 0.100 | |
| 1.16 / PGL Ground Initial Training | | | - | - | 1.437 | - | - | 0.039 | - | - | 0.040 | - | - | 0.041 | - | - | - | - | - | 0.041 | |
| 1.18 / PGL Spares | | | - | - | 5.318 | - | - | 0.359 | - | - | 0.364 | - | - | 0.531 | - | - | - | - | - | 0.531 | |
| 1.18 / Prior Year Funding | | | - | - | 24.888 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 1.19 / Prior Year Funding Overseas Contingency Operations (OCO) | | | - | - | 20.888 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Subtotal: 1 - Joint Threat Warning Systems (JTWS) | | | - | - | 368.489 | - | - | 39.348 | - | - | 53.432 | - | - | 62.324 | - | - | - | - | - | 62.324 ⁽¹⁾ | |
| 2 - Tactical Video System/Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA) | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|---|------------|-------------------|------------------|------------|-----------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS | | | | | | | | | Aggregated Items Title: Intelligence Systems | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 2.1 / RSTA Sensor Kit | | | - | - | 5.865 | 0.050 | 20 | 0.999 | 0.064 | 25 | 1.600 | 0.064 | 4 | 0.255 | - | - | - | 0.064 | 4 | 0.255 |
| 2.2 / Unattended Ground Sensors (UGS) | | | - | - | - | - | - | - | - | - | - | 0.172 | 2 | 0.344 | - | - | - | 0.172 | 2 | 0.344 |
| 2.3 / RSTA Tactical Reconnaissance (RECCE) Kits | | | - | - | 5.947 | 0.070 | 45 | 3.150 | 0.085 | 18 | 1.530 | 0.070 | 28 | 1.960 | - | - | - | 0.070 | 28 | 1.960 |
| 2.4 / RSTA Remote Observation Post (ROP) Kit | | | - | - | 7.945 | 0.129 | 5 | 0.645 | 0.147 | 1 | 0.147 | 0.147 | 1 | 0.147 | - | - | - | 0.147 | 1 | 0.147 |
| 2.5 / TVS Kit | | | - | - | 13.916 | 0.030 | 23 | 0.690 | 0.032 | 45 | 1.436 | 0.033 | 1 | 0.033 | - | - | - | 0.033 | 1 | 0.033 |
| 2.6 / Austere Location Force Protection Kits Overseas Contingency Operations (OCO) | | | - | - | 86.120 | 0.750 | 22 | 16.500 | 0.750 | 22 | 16.500 | - | - | - | 0.773 | 21 | 16.234 | 0.773 | 21 | 16.234 |
| 2.7 / Austere Location Force Protection Kits | | | - | - | - | - | - | - | - | - | - | - | - | 0.253 | - | - | - | - | - | 0.253 |
| 2.8 / Maritime Combat TVS/RSTA Kit | | | - | - | - | 0.125 | 2 | 0.250 | 0.125 | 2 | 0.250 | 0.125 | 2 | 0.249 | - | - | - | 0.125 | 2 | 0.249 |
| 2.9 / Prior Year Funding | | | - | - | 0.515 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 2 - Tactical Video System/ Reconnaissance, Surveillance, and Target Acquisition (TVS/RSTA) | | | - | - | 120.308 | - | - | 22.234 | - | - | 21.463 | - | - | 3.241 | - | - | 16.234 | - | - | 19.475 ⁽²⁾ |
| 3 - Tactical Area Local Network (TACLAN) | | | | | | | | | | | | | | | | | | | | |
| 3.1 / Prime Mlssion Equipment (PME) Suites - Block II CERP | | | - | - | 23.567 | 0.110 | 16 | 1.762 | 0.104 | 15 | 1.568 | 0.105 | 13 | 1.365 | - | - | - | 0.105 | 13 | 1.365 |
| 3.2 / Ancillary Equipment | | | - | - | 3.139 | - | - | 0.708 | - | - | 0.640 | - | - | 0.711 | - | - | - | - | - | 0.711 |
| 3.3 / Prior Year Funding | | | - | - | 8.927 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 3 - Tactical Area Local Network (TACLAN) | | | - | - | 35.633 | - | - | 2.470 | - | - | 2.208 | - | - | 2.076 | - | - | - | - | - | 2.076 ⁽³⁾ |
| 4 - Hostile Forces Tagging, Tracking, and Locating (HF-TTL) | | | | | | | | | | | | | | | | | | | | |
| 4.1 / Mission Sets | | | - | - | 263.298 | 1.168 | 16 | 18.686 | 1.203 | 16 | 19.243 | 1.278 | 11 | 14.057 | - | - | - | 1.278 | 11 | 14.057 |
| 4.2 / Prior Year Funding OCO | | | - | - | 113.619 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 4 - Hostile Forces Tagging, Tracking, and Locating (HF-TTL) | | | - | - | 376.917 | - | - | 18.686 | - | - | 19.243 | - | - | 14.057 | - | - | - | - | - | 14.057 ⁽⁴⁾ |
| 5 - Special Operations Research, Analysis and Threat Evaluation System (SOCRATES) | | | | | | | | | | | | | | | | | | | | |
| 5.1 / Component and TSOC Expansion | | | - | - | - | - | - | 7.188 | - | - | 12.505 | - | - | 6.556 | - | - | - | - | - | 6.556 |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|---|------------|-------------------|------------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS | | | | | | | | | Aggregated Items Title: Intelligence Systems | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 5.2 / SOCRATES Mission Support Center Relocation | | | - | - | - | - | - | 0.583 | - | - | - | - | - | - | - | - | - | - | - | - |
| 5.3 / SOCRATES Video Teleconference and Secure Voice | | | - | - | - | - | - | - | - | - | - | - | - | 3.231 | - | - | - | - | - | 3.231 |
| 5.4 / Global Messaging/Counter Messaging (GMCM) | | | - | - | - | - | - | 0.418 | - | - | - | - | - | - | - | - | - | - | - | - |
| 5.5 / Prior Funding | | | - | - | 82.451 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 5 - Special Operations Research, Analysis and Threat Evaluation System (SOCRATES) | | | - | - | 82.451 | - | - | 8.189 | - | - | 12.505 | - | - | 9.787 | - | - | - | - | - | 9.787 |
| 6 - Sensitive Site Exploitation (SSE) | | | | | | | | | | | | | | | | | | | | |
| 6.1 / Forensic Exploitation Analysis Center Equipment | | | - | - | 1.224 | 0.328 | 2 | 0.656 | 0.338 | 2 | 0.676 | 0.358 | 2 | 0.716 | - | - | - | 0.358 | 2 | 0.716 |
| 6.2 / Forensic Exploitation Kits CERP | | | - | - | 9.738 | 0.024 | 259 | 6.216 | 0.027 | 251 | 6.777 | 0.036 | 55 | 1.958 | - | - | - | 0.036 | 55 | 1.958 |
| 6.3 / Forensic Domex | | | - | - | - | - | - | 4.290 | - | - | - | - | - | - | - | - | - | - | - | - |
| 6.4 / Prior Year Funding | | | - | - | 40.061 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 6.5 / Prior Year Funding OCO | | | - | - | 0.690 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 6 - Sensitive Site Exploitation (SSE) | | | - | - | 51.713 | - | - | 11.162 | - | - | 7.453 | - | - | 2.674 | - | - | - | - | - | 2.674 |
| 7 - Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOPPREP) | | | | | | | | | | | | | | | | | | | | |
| 7.1 / Evolutionary Technology Insertions | | | - | - | 1.304 | - | - | 3.833 | - | - | 0.837 | - | - | 0.823 | - | - | - | - | - | 0.823 |
| Subtotal: 7 - Special Operations Forces Planning, Rehearsal, and Execution Preparation (SOPPREP) | | | - | - | 1.304 | - | - | 3.833 | - | - | 0.837 | - | - | 0.823 | - | - | - | - | - | 0.823 |
| 8 - Prior Year | | | | | | | | | | | | | | | | | | | | |
| 8.1 / Prior Year Funding | | | - | - | 543.365 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 8.2 / Prior Year Funding - OCO | | | - | - | 180.313 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 8 - Prior Year | | | - | - | 723.678 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | | | - | - | 1,760.493 | - | - | 105.922 | - | - | 117.141 | - | - | 94.982 | - | - | 16.234 | - | - | 111.216 |
| Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding. | | | | | | | | | | | | | | | | | | | | |
| Footnotes: | | | | | | | | | | | | | | | | | | | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | P-1 Line Item Number / Title: 020400INTL / INTELLIGENCE SYSTEMS | Aggregated Items Title: Intelligence Systems |
| <p>⁽¹⁾ For the Defense Wide Review (DWR), United States Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing one Maritime variant and TTV spares (-\$0.336 million).</p> <p>⁽²⁾ For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing one RSTA Sensor kit and seven RSTA Tactical Reconnaissance kits (-\$1.297 million).</p> <p>⁽³⁾ For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing two Prime Mission Equipment (PME) Suites - Block II Capital Equipment Replacement Program (CERP) and ancillary equipment (-\$0.176 million).</p> <p>⁽⁴⁾ For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing five Mission sets (-\$6.001 million).</p> | | |

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Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command **Date:** February 2020

Appropriation / Budget Activity / Budget Sub Activity:
0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA
4: Other Procurement Programs

P-1 Line Item Number / Title:
020401INTL / DISTRIBUTED COMMON GROUND/SURFACE SYSTEM

ID Code (A=Service Ready, B=Not Service Ready): **Program Elements for Code B Items:** N/A **Other Related Program Elements:** 0305208BB

Line Item MDAP/MAIS Code: 0000

| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
|---|----------------|---------------|---------------|---------------|-------------|---------------|---------------|---------------|---------------|---------------|-------------------|-------------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 120.711 | 18.597 | 12.522 | 11.645 | - | 11.645 | 13.316 | 13.591 | 14.009 | 14.222 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 120.711 | 18.597 | 12.522 | 11.645 | - | 11.645 | 13.316 | 13.591 | 14.009 | 14.222 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 120.711 | 18.597 | 12.522 | 11.645 | - | 11.645 | 13.316 | 13.591 | 14.009 | 14.222 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This program element is part of the Military Intelligence Program (MIP). The Distributed Common Ground/Surface System Special Operations Forces (DCGS-SOF) is part of a family of systems providing rapid fielding of Intelligence, Surveillance, and Reconnaissance (ISR) Processing, Exploitation, Dissemination (PED), and analytical capabilities at the Combatant Command (COCOM), Component/Theater Special Operations Command (TSOC) level and below through a combination of reach back, forward support, and collaboration. The mission tailored infrastructure interconnects the warfighter, analysts, and sensors to find and fix High Value Targets and provides a network-enabled, interoperable construct allowing continual, unimpeded sharing of intelligence data, information and services with SOF and between the Services, other national intelligence agencies, combatant commands and multi-national partners. It connects the SOF warfighter and analysts with the essential intelligence information and provides situational awareness information to SOF leadership at all echelons. The three components of DCGS-SOF include the following: The Enterprise/All Source Information Fusion (ENT/ASIF) provides infrastructure, processing and intelligence analytical tools to allow for worldwide SOF intelligence information sharing via a globally connected cloud based architecture as well as a forward disconnected capability. SOF Geospatial Intelligence Processing Exploitation, and Dissemination (SGIP) provides capabilities in garrison and deployed environments for the PED of manned and unmanned sensors. SOF Signals Intelligence (SIGINT) PED provides SIGINT exploitation capability in both garrison and deployed environments. These capabilities will be pursued via rapid fielding techniques when appropriate.

LI 020401INTL - DISTRIBUTED COMMON GROUND/SURFACE
SYSTEM

United States Special Operations Command

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | P-1 Line Item Number / Title: 020401INTL / DISTRIBUTED COMMON GROUND/SURFACE SYSTEM |
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|--|---|--|
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 0305208BB |
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Line Item MDAP/MAIS Code: 0000

| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | Distributed Common Ground/Surface System | | | | - / 120.711 | - / 18.597 | - / 12.522 | - / 11.645 | - / - | - / 11.645 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 120.711 | - / 18.597 | - / 12.522 | - / 11.645 | - / - | - / 11.645 |

*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:

FY 2021 PROGRAM JUSTIFICATION: Capital Equipment Replacement Program (CERP) for 22 SOF SIGINT PED Communication kits, SOF advance analytics, CERP of 19 Deployable/Tactical SGIP, and the CERP of Garrison SGIP infrastructure components. USSOCOM ENT/ASIF advanced analytics partnered with the National Reconnaissance Office in FY18 to utilize the fielded Government Off The Shelf (GOTS)/Commercial Off The Shelf (COTS) Fusion Analysis and Development Effort (FADE) platform. This utilization of the fielded GOTS capability reduces the requirements for ENT/ASIF upgrades and CERP in FY20 and beyond.

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | | | P-1 Line Item Number / Title: 020401INTL / DISTRIBUTED COMMON GROUND/SURFACE SYSTEM | | | | | | | | Aggregated Items Title: Distributed Common Ground/Surface System | | | |

| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| Distributed Common Ground/Surface System | | | | | | | | | | | | | | | | | | | | |
| 1 / SOF Signals Intelligence (SIGINT) PED Communication Kit Capital Equipment Replacement Program (CERP) ⁽¹⁾ | | | - | - | 10.441 | 0.239 | 30 | 7.162 | 0.330 | 20 | 6.596 | 0.258 | 22 | 5.684 | - | - | - | 0.258 | 22 | 5.684 |
| 2 / Distributed Common Ground/ Surface System (DCGS) - SOF Enterprise Infrastructure Upgrades | | | - | - | 15.132 | - | - | 2.039 | - | - | - | - | - | - | - | - | - | - | - | - |
| 3 / DCGS - SOF Enterprise Infrastructure CERP | | | - | - | 7.470 | - | - | 2.640 | - | - | 1.000 | - | - | - | - | - | - | - | - | - |
| 4 / DCGS - SOF Advanced Analytics | | | - | - | 9.970 | - | - | 1.287 | - | - | 0.812 | - | - | 0.523 | - | - | - | - | - | 0.523 |
| 5 / New Equipment Training | | | - | - | 3.024 | - | - | 1.987 | - | - | - | - | - | - | - | - | - | - | - | - |
| 6 / Deployable/ Tactical SOF Geospatial Intelligence Processing (SGIP) CERP ⁽²⁾ | | | - | - | 8.088 | 0.082 | 4 | 0.326 | 0.159 | 4 | 0.634 | 0.034 | 19 | 0.646 | - | - | - | 0.034 | 19 | 0.646 |
| 7 / Garrison SGIP Infrastructure CERP | | | - | - | 11.152 | - | - | 3.156 | - | - | 3.480 | - | - | 4.792 | - | - | - | - | - | 4.792 |
| 8 / Deployable/ Tactical SGIP CERP - OCO | | | - | - | 8.650 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 9 / Prior Year Funding (OCO) | | | - | - | 46.784 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Distributed Common Ground/Surface System | | | - | - | 120.711 | - | - | 18.597 | - | - | 12.522 | - | - | 11.645 | - | - | - | - | - | 11.645 |
| Total | | | - | - | 120.711 | - | - | 18.597 | - | - | 12.522 | - | - | 11.645 | - | - | - | - | - | 11.645 |

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

Footnotes:

⁽¹⁾ Processing, Exploitation, Dissemination (PED)

⁽²⁾ Deployable/Tactical SOF Geospatial Intelligence (SGIP) CERP: Unit cost difference is reflective of variance between partial component CERP and full system CERP requirements based upon varying equipment utilization.

LI 020401INTL - DISTRIBUTED COMMON GROUND/SURFACE SYSTEM

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| | |
|--|---|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | P-1 Line Item Number / Title: 0204OTHER / OTHER ITEMS <\$5M |
|--|---|

| | | |
|--|---|---|
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160431BB, 1160402BB |
|--|---|---|

| Line Item MDAP/MAIS Code: N/A | | | | | | | | | | | | |
|---|--------------------|----------------|----------------|---------------------|--------------------|----------------------|----------------|----------------|----------------|----------------|--------------------|-------------------|
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 372.053 | 131.905 | 103.938 | 96.333 | 0.984 | 97.317 | 79.598 | 73.139 | 54.838 | 70.984 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 372.053 | 131.905 | 103.938 | 96.333 | 0.984 | 97.317 | 79.598 | 73.139 | 54.838 | 70.984 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 372.053 | 131.905 | 103.938 | 96.333 | 0.984 | 97.317 | 79.598 | 73.139 | 54.838 | 70.984 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | 1.753 | 0.864 | 0.879 | 0.895 | - | 0.895 | 0.913 | 0.933 | 0.955 | 0.974 | - | 8.166 |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This P-1 line item provides for the procurement, rapid fielding, and associated costs of specialized equipment in the areas of Aircraft Support, Military Construction (MILCON) Collateral Equipment, Command, Control, Communications, and Computer Information and Automated Systems (C4IAS), Tactical Local Area Network (TACLAN), Special Access Program Network (SAPNET), Joint Operational Stocks (JOS), Base Procured Equipment (BPE), Multi-Mission Payload System (MMP) formerly known as Long Range Broadcast Systems (LRBS), Flyaway Broadcast System (FABS), and Miscellaneous Equipment. Additionally, this P-1 line item consists of miscellaneous equipment items that do not reasonably fit in any other USSOCOM procurement line item categories and are above the \$250K threshold. This P-1 line item includes FY 2019 Overseas Contingency Operations (OCO) funding (\$12.125 million) and FY 2020 OCO funding (\$0.028 million). FY 2021 funding includes OCO for Enduring Requirements (\$0.984 million). These capabilities will be pursued via rapid fielding techniques when appropriate.

For the Defense Wide Review (DWR), US Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing the C4IAS and TACLAN programs to better align with the Department's priorities as outline in the National Defense Strategy (-\$4.497 million).

-\$1.915 million - C4IAS - Reduces Classified Network System Infrastructure

-\$2.582 million - TACLAN - Reduces 14 suites - Capital Equipment Replacement Program (CERP)

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | | | | | P-1 Line Item Number / Title: 0204OTHER / OTHER ITEMS <\$5M | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | Program Elements for Code B Items: N/A | | | Other Related Program Elements: 1160431BB, 1160402BB | | | | |
| Line Item MDAP/MAIS Code: N/A | | | | | | | | | | |
| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | Other Items <\$5M | | | | - / 372.053 | - / 131.905 | - / 103.938 | - / 96.333 | - / 0.984 | - / 97.317 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 372.053 | - / 131.905 | - / 103.938 | - / 96.333 | - / 0.984 | - / 97.317 |
| <small>*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.</small> | | | | | | | | | | |
| <small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small> | | | | | | | | | | |
| <p>Justification:</p> <p>1. Aircraft Support. This program provides various types of equipment and minor modifications required to support Special Operations Forces (SOF) fixed wing aircraft.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures SOF-unique aircraft support equipment by funding small equipment parts and upgrades. Per DoD policy, and in accordance with Air Force policy, these funds reimburse the Air Force Stock Fund for SOF initial spares provisioned with Air Force Stock Fund obligation authority.</p> <p>2. MILCON Collateral Equipment. This program procures collateral equipment for SOF military construction facilities. No associated RDT&E funds.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Provides information technology equipment, video monitoring, targeting systems and other equipment above the Operation and Maintenance threshold of \$250 thousand, as well as items that are centrally managed.</p> <p>3. C4IAS. Provides garrison infrastructure directly supporting the Command's global mission by providing a seamless and interoperable interface with SOF, DoD, and Service information systems. It provides the capabilities to exercise Command and Control (C2) and collaboration, process and share data, and facilitate mission planning and operational preparation of the battle space, connecting numerous data repositories while maintaining information assurance. Additionally, it provides the critical reach back for SOF tactically deployed local area networks/wide area networks. This program is composed of state-of-the-art automated systems (firewalls, routers, switches, hubs, modems) servers, storage devices, and associated peripherals supporting a myriad of SOF user requirements, to include cyber, and uses a variety of off-the-shelf software and databases to ensure interoperability between SOF units.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Continues to acquire next generation automation systems through the use of Evolutionary Technology Insertions (ETIs) to provide new capabilities and dramatic improvements to the SOF information environment. Continues implementation of dual distributed datacenters that support the consolidation of Headquarters, USSOCOM, Theater Special Operations Commands (TSOC), and Component Command's Information Technology (IT) infrastructure. Procures distributive data center network hardware, network system infrastructure, integration, and ETIs in support of SOF Command and Control (C2).</p> <p>4. TACLAN Automation Systems. Provides SOF operational commanders and forward deployed forces advanced automated data processing and display capabilities, facilitating the interchange of classified and unclassified information to support situational awareness, mission planning, rehearsal, and execution, and C2 of forces in tactical environments. The program consists of information technology hardware, software and ancillary equipment, including network servers, routers, switches, storage and computing end user devices, as well as common and specialized user applications. The family of systems are mobile, modular and size configurable to suit peculiar mission needs that support SOF users from the individual to the Special Operation Task Force echelon.</p> <p>FY 2021 PROGRAM JUSTIFICATION: CERP for 30 TACLAN modular network suites and integration.</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Procures CERP for 4 TACLAN modular network suites and integration.</p> | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | P-1 Line Item Number / Title: 0204OTHER / OTHER ITEMS <\$5M |
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160431BB, 1160402BB |
| Line Item MDAP/MAIS Code: N/A | | |
| <p>5. SAPNET. Supports multi-SAP collaboration and information exchange for mission operations. It is interoperable on SAP systems and databases, enabling secure voice, video and data communication between National/Theater SOF and select mission partners. SAPNET integrates advanced technologies and gains efficiencies through collapsing infrastructure while still supporting user growth and mission readiness through evolutionary ETIs.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures ETIs.</p> | | |
| <p>6. Joint Operational Stock (JOS). Composed of USSOCOM centrally procured and managed stocks of materiel designed to provide SOF access to immediately available equipment in support of contingency, Humanitarian Assistance/Disaster Response and training missions. The equipment contained within JOS generally falls into one of the following categories: night vision devices and optics, weapons, communications, personnel protection, and bare-base support. Bare-base support includes equipment required to provide key life support and work areas to SOF units deployed in austere locations. The JOS inventory is maintained, stored and issued through the SOF Support Activity located in Lexington, KY. The Military Liaison Element (MLE) equipment program provides for CERP and sustainment of operational and home station training sets used in direct support of the MLE mission. No associated RDT&E funds.</p> | | |
| <p>7. Base Procured Equipment (BPE): This program procures authorized investment equipment which exceed the \$250K investment/expense threshold and are not part of an existing program of record (PoR). Examples of equipment include support equipment for modular facilities, mobile shoot houses, training ranges shelters, wargaming center equipment, uninterruptible power supply systems and terrain models.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures various equipment items that exceed the \$250K investment/expense threshold and are not part of an existing program of record.</p> | | |
| <p>8. Multi-Mission Payload (MMP). Formerly known as Long Range Broadcasting System (LRBS), the MMP is a family of broadcast assets capable of providing Frequency Modulation (FM), Television (TV) Ultra High Frequency (UHF)/Very High Frequency (VHF), and cellular Military Information Support Operations (MISO) broadcasts to foreign target audiences in permissive, semi-permissive, and denied environments with broadcast system integrated into long-loiter Unmanned Aerial Vehicle (UAV) and manned aircraft. The MMP consists of three variants: MMP-Heavy (H), MMP-Medium (M), and MMP-Light (L). MMP-H integrates onto EC-130J aircraft. The MMP-M integrates onto a MQ-1C and other select aircraft. Cost differs between variants because MMP-L consists of a series of modular pods that integrate onto Shadow UAVs and other select aircraft.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures seven MMP-Light.</p> | | |
| <p>9. Fly Away Broadcast System (FABS). FABS is a transit case broadcast system that utilizes commercial and industry standard technology to disseminate approved messaging to target audiences via FM, short wave (SW) cellular Secure Messaging System and TV transmitter.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Supports procurement of three Next Generation FABS (v3).</p> | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-----------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | | | | P-1 Line Item Number / Title: 0204OTHER / OTHER ITEMS <\$5M | | | | | | Aggregated Items Title: Other Items <\$5M | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 1. Aircraft Support | | | | | | | | | | | | | | | | | | | | |
| 1a / Aircraft Modification Spares and Repair Parts - Air Force Stock Fund | | | - | - | 1.753 | - | - | 0.864 | - | - | 0.879 | - | - | 0.895 | - | - | - | - | - | 0.895 |
| 1b / C-27J Modifications | | | - | - | - | - | - | 9.545 | - | - | - | - | - | - | - | - | - | - | - | - |
| 1c / Prior Year Funding | | | - | - | 2.780 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 1. Aircraft Support | | | - | - | 4.533 | - | - | 10.409 | - | - | 0.879 | - | - | 0.895 | - | - | - | - | - | 0.895 |
| 2. MILCON Collateral Equipment | | | | | | | | | | | | | | | | | | | | |
| 2a / MILCON Collateral Equipment | | | - | - | 61.558 | - | - | 21.727 | - | - | 27.665 | - | - | 33.496 | - | - | - | - | - | 33.496 |
| 2b / Project #P688, Camp Lemonier, Djibouti - Overseas Contingency Operations (OCO) | | | - | - | 18.537 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 2. MILCON Collateral Equipment | | | - | - | 80.095 | - | - | 21.727 | - | - | 27.665 | - | - | 33.496 | - | - | - | - | - | 33.496 |
| 3. C4 Information and Automated Systems (C4IAS) | | | | | | | | | | | | | | | | | | | | |
| 3a / Distributive Data Center Hardware | | | - | - | 79.202 | - | - | 3.403 | - | - | 2.681 | - | - | 2.583 | - | - | - | - | - | 2.583 |
| 3b / Evolutionary Technology Insertions | | | - | - | 4.035 | - | - | 2.167 | - | - | 2.199 | - | - | 4.844 | - | - | - | - | - | 4.844 |
| 3c / Classified Network System Infrastructure | | | - | - | 31.652 | - | - | 23.852 | - | - | 20.389 | - | - | 4.800 | - | - | - | - | - | 4.800 |
| 3d / Unclassified Network System Infrastructure | | | - | - | 25.781 | - | - | 11.124 | - | - | 11.350 | - | - | 12.860 | - | - | - | - | - | 12.860 |
| 3e / Unclassified and Classified Network Re-Engineering - OCO | | | - | - | - | - | - | 7.700 | - | - | - | - | - | - | - | - | - | - | - | - |
| 3f / Programmed Expansion | | | - | - | 6.485 | - | - | 0.025 | - | - | - | - | - | - | - | - | - | - | - | - |
| 3g / Integration | | | - | - | 9.189 | - | - | 2.004 | - | - | 2.035 | - | - | 2.075 | - | - | - | - | - | 2.075 |
| 3h / Global Messaging/Counter Messaging (GMCM) | | | - | - | - | - | - | 5.588 | - | - | - | - | - | - | - | - | - | - | - | - |
| 3i / Cyber Infastructure | | | - | - | - | - | - | - | - | - | - | - | - | 6.173 | - | - | - | - | - | 6.173 |
| Subtotal: 3. C4 Information and Automated Systems (C4IAS) | | | - | - | 156.344 | - | - | 55.863 | - | - | 38.654 | - | - | 33.335 | - | - | - | - | - | 33.335 ⁽¹⁾ |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|--|------------|-------------------|---------------------|------------|-------------------|------------------|------------|----------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | P-1 Line Item Number / Title: 0204OTHER / OTHER ITEMS <\$5M | | | | | | Aggregated Items Title: Other Items <\$5M | | | | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 4. Tactical Local Area Network (TACLAN) | | | | | | | | | | | | | | | | | | | | |
| 4a / Suites - Capital Equipment Replacement Program (CERP) | | | 0.203 | 227 | 46.000 | 0.212 | 71 | 15.021 | 0.247 | 35 | 8.650 | 0.247 | 30 | 7.399 | - | - | - | 0.247 | 30 | 7.399 |
| 4b / Suites - CERP OCO | | | - | - | - | - | - | - | - | - | - | - | - | - | 0.246 | 4 | 0.984 | 0.246 | 4 | 0.984 |
| 4c / Ancillary Equipment OCO | | | - | - | - | - | - | - | - | - | 0.028 | - | - | - | - | - | - | - | - | - |
| 4d / Ancillary Equipment | | | - | - | 4.679 | - | - | 0.839 | - | - | 0.836 | - | - | - | - | - | - | - | - | - |
| 4e / Field Computing Devices | | | 0.009 | 174 | 1.566 | 0.008 | 937 | 7.500 | - | - | - | - | - | - | - | - | - | - | - | - |
| 4f / Integration | | | - | - | 6.963 | - | - | 1.309 | - | - | 1.463 | - | - | 1.098 | - | - | - | - | - | 1.098 |
| 4g / Prior Year Funding | | | - | - | 0.955 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 4. Tactical Local Area Network (TACLAN) | | | - | - | 60.163 | - | - | 24.669 | - | - | 10.977 | - | - | 8.497 | - | - | 0.984 | - | - | 9.481 ⁽²⁾ |
| 5. Special Access Program Network (SAPNET) | | | | | | | | | | | | | | | | | | | | |
| 5a / Evolutionary Technology Insertion | | | - | - | 1.407 | - | - | 0.918 | - | - | 5.614 | - | - | 5.713 | - | - | - | - | - | 5.713 |
| Subtotal: 5. Special Access Program Network (SAPNET) | | | - | - | 1.407 | - | - | 0.918 | - | - | 5.614 | - | - | 5.713 | - | - | - | - | - | 5.713 |
| 6. Joint Operational Stocks (JOS) | | | | | | | | | | | | | | | | | | | | |
| 6a / Military Liasion Element | | | - | - | 6.181 | - | - | 2.492 | - | - | 2.544 | - | - | - | - | - | - | - | - | - |
| 6b / Equipment - CERP | | | - | - | 11.035 | - | - | 2.322 | - | - | 2.359 | - | - | - | - | - | - | - | - | - |
| 6c / Prior Year Funding - OCO | | | - | - | 20.676 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 6. Joint Operational Stocks (JOS) | | | - | - | 37.892 | - | - | 4.814 | - | - | 4.903 | - | - | - | - | - | - | - | - | - |
| 7. Base Procured Equipment (BPE) | | | | | | | | | | | | | | | | | | | | |
| 7a / Equipment Items | | | - | - | - | - | - | 4.902 | - | - | 1.991 | - | - | 1.991 | - | - | - | - | - | 1.991 |
| Subtotal: 7. Base Procured Equipment (BPE) | | | - | - | - | - | - | 4.902 | - | - | 1.991 | - | - | 1.991 | - | - | - | - | - | 1.991 |
| 8. Multi-Mission Payload (MMP) / Long Range Broadcasting System (LRBS) | | | | | | | | | | | | | | | | | | | | |
| 8a / MMP-Heavy | | | - | - | - | 2.151 | 4 | 8.603 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8b / MMP-Medium | | | - | - | - | - | - | - | 2.107 | 5 | 10.535 | - | - | - | - | - | - | - | - | - |
| 8c / MMP-Light | | | - | - | - | - | - | - | 2.720 | 1 | 2.720 | 1.747 ⁽³⁾ | 7 | 12.226 | - | - | - | 1.747 | 7 | 12.226 |
| 8d / Prior Year Funding | | | - | - | 6.679 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | | | P-1 Line Item Number / Title: 0204OTHER / OTHER ITEMS <\$5M | | | | | | | Aggregated Items Title: Other Items <\$5M | | | | |

| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| Subtotal: 8. Multi-Mission Payload (MMP) / Long Range Broadcasting System (LRBS) | | | - | - | 6.679 | - | - | 8.603 | - | - | 13.255 | - | - | 12.226 | - | - | - | - | - | 12.226 |
| 9. Fly-Away Broadcasting System (FABS) | | | | | | | | | | | | | | | | | | | | |
| 9a / FABS (v3) | | | - | - | - | - | - | - | - | - | - | 0.060 | 3 | 0.180 | - | - | - | 0.060 | 3 | 0.180 |
| Subtotal: 9. Fly-Away Broadcasting System (FABS) | | | - | - | - | - | - | - | - | - | - | - | - | 0.180 | - | - | - | - | - | 0.180 |
| 10. Prior Year Funding | | | | | | | | | | | | | | | | | | | | |
| 10a / Prior Year Funding | | | - | - | 24.940 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 10. Prior Year Funding | | | - | - | 24.940 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | | | - | - | 372.053 | - | - | 131.905 | - | - | 103.938 | - | - | 96.333 | - | - | 0.984 | - | - | 97.317 |

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

Footnotes:

- (1) For the Defense Wide Review (DWR), United States Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing Classified Network System Infrastructure (-\$1.915 million).
- (2) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing 14 suites - CERP (-\$2.582 million).
- (3) Unit cost reduction between FY20 and FY21 is due to economies of scale.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | P-1 Line Item Number / Title: 0204SCCS / COMBATANT CRAFT SYSTEMS |
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| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160483BB, 1160484BB |
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Line Item MDAP/MAIS Code: N/A

| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
|---|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 563.470 | 19.069 | 48.462 | 17.278 | - | 17.278 | 36.876 | 45.239 | 24.415 | 25.479 | Continuing | Continuing |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | 563.470 | 19.069 | 48.462 | 17.278 | - | 17.278 | 36.876 | 45.239 | 24.415 | 25.479 | Continuing | Continuing |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 563.470 | 19.069 | 48.462 | 17.278 | - | 17.278 | 36.876 | 45.239 | 24.415 | 25.479 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | 1.292 | 1.201 | - | - | - | - | - | - | - | - | - | 2.493 |
| Flyaway Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

The Combatant Craft Systems line item serves as the umbrella for small, medium, heavy, and assault combatant craft programs, sub-systems, and ancillary equipment to include prime movers and trailers. Currently, it includes Combatant Craft Medium (CCM), Combatant Craft Heavy (CCH), Riverine Craft, Combatant Craft Forward Looking Infrared (CCFLIR) program, and Combatant Craft Assault (CCA). These capabilities will be pursued via rapid fielding techniques when appropriate.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | | | | | P-1 Line Item Number / Title: 0204SCCS / COMBATANT CRAFT SYSTEMS | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | Program Elements for Code B Items: N/A | | | Other Related Program Elements: 1160483BB, 1160484BB | | | | |
| Line Item MDAP/MAIS Code: N/A | | | | | | | | | | |
| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | Combatant Craft Systems | | | | - / 563.470 | - / 19.069 | - / 48.462 | - / 17.278 | - / - | - / 17.278 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 563.470 | - / 19.069 | - / 48.462 | - / 17.278 | - / - | - / 17.278 |
| *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. | | | | | | | | | | |
| <p>Justification:</p> <p>1. CCM: The CCM is a semi-enclosed multi-mission combatant craft for platoon-size maritime mobility in maritime contested environments. It is multi-mission capable, including Maritime Interdiction, Insert/Extract, and Visit, Board, Search, and Seizure (VBSS) Operations. CCM is Naval Special Warfare's (NSW) craft-of-choice for long-range, high-payload SOF mobility operations in contested environments. CCM has NSW's best Iron Triangle: 40 knot (kt) speed; 4 crew + 19 passengers (pax)/10,000 pound (lb) payload; and 600 nautical miles (nm) range. CCM Mk 1 payload capacity enables inclusion of shock mitigating seats, which is critical for ride quality, operator tactical readiness, and operator health. At 60 feet long, CCM is C-17/C5 transportable and can launch/recover by well deck or shore based trailer.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures Government Funded Equipment (GFE), Engineering Change Proposal (ECPs), and spares.</p> <p>2. CCH: The CCH program represents a family of solutions that provides platoon-size maritime surface mobility. The current CCH is the Sea, Air, Land Insertion, Observation, and Neutralization (SEALION) craft. SEALION is a fully-enclosed, climate-controlled, semi-submersible craft that operates in contested environments. SEALION is NSW's most versatile and survivable combatant craft and the craft-of-choice for sensitive maritime intelligence, surveillance, and reconnaissance missions. Iron Triangle: 40 kt speed; 7 crew + 12 pax/3,300 lb payload; and 400 nm range. SEALION payload capacity enables inclusion of shock mitigating seats, which is critical for ride quality, operator tactical readiness, and operator health. At 77+ feet long, SEALION is C-17/C-5 transportable and can launch/recover by well deck or shore based mobile travel lift or crane.</p> <p>3. Riverine Craft: The Riverine Craft provides the capability to insert and extract SOF in the riverine environment. The craft is capable of navigating restricted and shallow rivers, estuaries, and bays. It is also capable of carrying light organic arms and is C-130 transportable.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures one prime mover and Detachment Deployment Package (DDP) and ECP.</p> <p>4. CCFLIR: The CCFLIR program consists of a legacy CCFLIR and the CCFLIR2. The CCFLIR capability provides Special Operations Forces (SOF) with a multi-sensor, electro-optic system that enhances SOF effectiveness by improving their ability to detect, recognize, identify, range, track, and highlight objects of interest in a maritime environment. The legacy CCFLIR is under sustainment and is currently used on all NSW combatant craft.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures eight Next Generation (NG) CCFLIR2.</p> <p>5. CCA: The CCA program is a combatant craft for squad-size maritime mobility operations in contested environments. CCA is NSW's best craft for VBSS. It is the craft-of-choice for maritime interdiction and boarding operations because of the open deck space, maneuverability, and interoperability with an Afloat Forward Staging Base. Iron Triangle: 40 kt speed; three crew + 12 pax/5,000 lb payload; and 300 nm range. At 41 feet long, CCA is air transportable by C-130/C-17/C-5 and can launch/recover by crane, davit, well deck, or shore based trailer.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures two life cycle replacement CCAs, GFE, ECPs, prime movers, and ancillary equipment and spares as required.</p> | | | | | | | | | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|------------------|------------|-------------------|---|------------|----------------------|------------------|------------|-------------------|------------------|--|-------------------|------------------|------------|-------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | | | | P-1 Line Item Number / Title: 0204SCCS / COMBATANT CRAFT SYSTEMS | | | | | | | Aggregated Items Title: Combatant Craft Systems | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) | |
| 1 - Combatant Craft Medium | | | | | | | | | | | | | | | | | | | | | |
| 1.1 / Craft System | | | 5.581 | 23 | 128.371 | 6.982 | 2 | 13.963 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 1.2 / Craft System (Congressional Add) ⁽¹⁾ | | | - | - | - | - | - | - | 7.205 | 1 | 7.205 | - | - | - | - | - | - | - | - | - | |
| 1.3 / Prime Movers ⁽²⁾ | | | 0.345 | 18 | 6.210 | - | - | - | 0.417 | 6 | 2.500 | - | - | - | - | - | - | - | - | - | |
| 1.4 / Government Furnished Equipment (GFE), Engineering Change Proposals (ECPs), Spares ⁽³⁾ | | | - | - | 13.810 | - | - | - | - | - | 4.705 | - | - | 3.087 | - | - | - | - | - | 3.087 | |
| 1.5 / Prior Years | | | - | - | 36.535 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Subtotal: 1 - Combatant Craft Medium | | | - | - | 184.926 | - | - | 13.963 | - | - | 14.410 | - | - | 3.087 | - | - | - | - | - | 3.087 | |
| 2 - Combatant Craft Heavy | | | | | | | | | | | | | | | | | | | | | |
| 2.2 / Prior Years | | | - | - | 17.225 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 2.1 / Initial Spares | | | - | - | 1.292 | - | - | 1.451 | - | - | - | - | - | - | - | - | - | - | - | - | |
| Subtotal: 2 - Combatant Craft Heavy | | | - | - | 18.517 | - | - | 1.451 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 3 - Riverine Craft | | | | | | | | | | | | | | | | | | | | | |
| 3.1 / Craft System | | | - | - | 81.345 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 3.2 / Prime Movers and Detachment Deployment Packages (DDPs) | | | - | - | 8.800 | 0.502 | 1 | 0.502 | 0.239 | 1 | 0.239 | 0.243 | 1 | 0.243 | - | - | - | 0.243 | 1 | 0.243 | |
| 3.3 / ECPs | | | - | - | 3.259 | - | - | - | - | - | 0.179 | - | - | 0.183 | - | - | - | - | - | 0.183 | |
| Subtotal: 3 - Riverine Craft | | | - | - | 93.404 | - | - | 0.502 | - | - | 0.418 | - | - | 0.426 | - | - | - | - | - | 0.426 | |
| 4 - Combatant Craft Forward Looking Infrared System (CCFLIR) | | | | | | | | | | | | | | | | | | | | | |
| 4.1 / Next Generation (NG) CCFLIR Systems | | | - | - | 11.135 | 0.783 | 4 | 3.133 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 4.2 / NG CCFLIR2 Systems ⁽⁴⁾ | | | - | - | - | - | - | - | 0.730 | 24 | 17.520 | 0.770 | 8 | 6.162 | - | - | - | 0.770 | 8 | 6.162 | |
| 4.3 / Prior Years | | | - | - | 39.462 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Subtotal: 4 - Combatant Craft Forward Looking Infrared System (CCFLIR) | | | - | - | 50.597 | - | - | 3.133 | - | - | 17.520 | - | - | 6.162 | - | - | - | - | - | 6.162 | |
| 5 - Combatant Craft Assault | | | | | | | | | | | | | | | | | | | | | |
| 5.1 / Craft System | | | - | - | 73.440 | - | - | - | - | - | 4.807 ⁽⁵⁾ | 3.309 | 2 | 6.617 | - | - | - | 3.309 | 2 | 6.617 | |
| 5.2 / Craft System (Congressional Add) | | | - | - | - | - | - | - | - | - | 8.169 ⁽⁶⁾ | - | - | - | - | - | - | - | - | - | |
| 5.3 / GFE, ECPs, Prime Movers, | | | - | - | 22.242 | - | - | 0.020 | - | - | 3.138 | - | - | 0.986 | - | - | - | - | - | 0.986 | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | P-1 Line Item Number / Title: 0204SCCS / COMBATANT CRAFT SYSTEMS | | | | | | | | | Aggregated Items Title: Combatant Craft Systems | | | | |

| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| Ancillary Equipment, Spares | | | | | | | | | | | | | | | | | | | | |
| 5.4 / Prior Years/ Congressional Add | | | - | - | 20.739 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 5 - Combatant Craft Assault | | | - | - | 116.421 | - | - | 0.020 | - | - | 16.114 | - | - | 7.603 | - | - | - | - | - | 7.603⁽⁷⁾ |
| Prior Year Funding | | | | | | | | | | | | | | | | | | | | |
| 1 / 1.1 - Prior Year Funding | | | - | - | 99.605 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Prior Year Funding | | | - | - | 99.605 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | | | - | - | 563.470 | - | - | 19.069 | - | - | 48.462 | - | - | 17.278 | - | - | - | - | - | 17.278 |

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

Footnotes:

- ⁽¹⁾ Decrease of -\$7.205 million is due to a Congressional Add decrease in FY 21 due to a CCM training loss.
- ⁽²⁾ Decrease of -\$2.500 million for prime movers which met basis of issue.
- ⁽³⁾ Decrease of -\$1.618 million for reduction in spares.
- ⁽⁴⁾ Decrease -\$11.358 million is due to CCFLIR2 replacement reaching basis of issue of 58.
- ⁽⁵⁾ By combining Craft Systems (5.1) and Craft Systems (Congressional Add) (5.2) in FY20 into a single purchase order, Maritime is able to purchase four (4) Combatant Craft Assault (CCA) Systems due to an economic order quantity of \$3.244 million.
- ⁽⁶⁾ By combining Craft Systems (5.1) and Craft Systems (Congressional Add) (5.2) in FY20 into a single purchase order, Maritime is able to purchase four (4) Combatant Craft Assault (CCA) Systems due to an economic order quantity of \$3.244 million.
- ⁽⁷⁾ Net decrease of \$8.511 million from FY20 is due to a Congressional Add decrease (-\$8.169 million) and a one time buy for lead craft equipment on new production contract (-\$0.342 million).

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | P-1 Line Item Number / Title: 0204SPCPRG / SPECIAL PROGRAMS |
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| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: N/A |
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Line Item MDAP/MAIS Code: N/A

| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
|---|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|------------|
| Procurement Quantity <i>(Units in Each)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost <i>(\$ in Millions)</i> | 258.745 | 13.789 | 63.467 | 78.865 | - | 78.865 | 49.484 | 20.116 | 25.663 | 20.898 | Continuing | Continuing |
| Less PY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) <i>(\$ in Millions)</i> | 258.745 | 13.789 | 63.467 | 78.865 | - | 78.865 | 49.484 | 20.116 | 25.663 | 20.898 | Continuing | Continuing |
| Plus CY Advance Procurement <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority <i>(\$ in Millions)</i> | 258.745 | 13.789 | 63.467 | 78.865 | - | 78.865 | 49.484 | 20.116 | 25.663 | 20.898 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost <i>(\$ in Millions)</i> | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

Justification:

This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | | | | | | P-1 Line Item Number / Title: 0204TACVEH / TACTICAL VEHICLES | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: N/A | | | | Other Related Program Elements: 1160480BB | | | | |
| Line Item MDAP/MAIS Code: N/A | | | | | | | | | | | | |
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 2,000.025 | 142.239 | 114.122 | 30.158 | 2.990 | 33.148 | 21.473 | 21.856 | 22.298 | 22.745 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 2,000.025 | 142.239 | 114.122 | 30.158 | 2.990 | 33.148 | 21.473 | 21.856 | 22.298 | 22.745 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 2,000.025 | 142.239 | 114.122 | 30.158 | 2.990 | 33.148 | 21.473 | 21.856 | 22.298 | 22.745 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | 2.742 | 0.602 | 0.500 | 0.105 | - | 0.105 | - | - | - | - | Continuing | Continuing |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |

Description:

Special Operations Forces (SOF) ground tactical vehicles are used for Counterterrorism, Counter-Proliferation, Foreign Internal Defense, Special Reconnaissance, Direct Action, and Unconventional Warfare missions, and serve as a weapons platform throughout all areas of the battlefield and/or mission area. The current SOF ground tactical vehicles include: Ground Mobility Vehicles (GMV) (Medium), Non-Standard Commercial Vehicles (NSCV) for use in tactical missions, Mine Resistant Ambush Protected Vehicles (MRAP) (Heavy), Light Tactical All-Terrain Vehicle (LTATV) and Joint Light Tactical Vehicle (JLTV). These ground tactical vehicles are highly effective in executing SOF contingency missions worldwide. This program supports the rapid fielding of SOF GMV (Medium) and NSCV. This P-1 line item received FY 2019 Overseas Contingency Operations (OCO) funding (\$59.891 million) and FY 2020 OCO (\$2.990 million) for Enduring Requirements. FY 2021 funding includes OCO for Enduring Requirements (\$2.990 million). These capabilities will be pursued via rapid fielding techniques when appropriate.

For the Defense Wide Review (DWR), US Special Operations Command performed a comprehensive analysis of future capabilities and is reducing the NSCV program to better align with the Department's priorities as outlined in the National Defense Strategy (-\$9.348 million).

-\$9.348 million - NSCV - Reduces 25 Armored NSCVs and 25 CRISR/ECMS - A Kits and production and fielding support.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | | | | | P-1 Line Item Number / Title: 0204TACVEH / TACTICAL VEHICLES | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: N/A | | | Other Related Program Elements: 1160480BB | | | |
| Line Item MDAP/MAIS Code: N/A | | | | | | | | | | |
| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | Tactical Vehicles | | | | - / 2,000.025 | - / 142.239 | - / 114.122 | - / 30.158 | - / 2.990 | - / 33.148 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 2,000.025 | - / 142.239 | - / 114.122 | - / 30.158 | - / 2.990 | - / 33.148 |
| <small>*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.</small> | | | | | | | | | | |
| <small>Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.</small> | | | | | | | | | | |
| <p>Justification:</p> <p>1. GMV (Medium). The GMV 1.1 is an extremely mobile vehicle capable of internal air transport in a MH-47 that allows SOF operators a fast roll-on/roll-off capability ideal for a full spectrum of operations. The GMV 1.1 is equipped with an A Kit to accept a Command, Control, Communication, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) suite to provide an integrated and standardized communications platform. This program received Overseas Contingency Operations (OCO) funding in FY 2019.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 18 C4ISR/ECMS A-Kits and initial spares.</p> <p>2. NSCV. Program provides a base vehicle that is representative of the local area where SOF is operating, and then installs SOF-peculiar modifications to provide increased protection, mobility, and communications. Depending on the mission, SOF modifications may include armor protection, winch, high capacity alternator, upgraded brakes and suspension system, and mounts/antennas for communications equipment. These low signature vehicles allow SOF to blend in with the local population in various locations around the world. This program received OCO funding in FY 2019 and FY 2020.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 71 (61 armored/10 unarmored) NSCVs, 83 C4ISR/ECMS A-Kits, and production and fielding support (shipping and training).</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Procures 12 Armored NSCVs.</p> | | | | | | | | | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|------------------|---|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | | P-1 Line Item Number / Title: 0204TACVEH / TACTICAL VEHICLES | | | | | | | | Aggregated Items Title: Tactical Vehicles | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 1. Ground Mobility Vehicle (GMV) (Medium) | | | | | | | | | | | | | | | | | | | | |
| 1a / Base Vehicle & SOF Kits | | | - | - | 177.442 | 0.355 | 42 | 14.910 | 0.378 | 57 | 21.546 | - | - | - | - | - | - | - | - | - |
| 1b / Base Vehicle & SOF Kits - Overseas Contingency Operations (OCO) | | | - | - | 2.004 | 0.354 | 108 | 38.280 | - | - | - | - | - | - | - | - | - | - | - | - |
| 1c / C4ISR / Electronic Countermeasures Systems (ECMS) - A-Kits | | | - | - | 55.374 | 0.113 | 170 | 19.210 | 0.113 | 107 | 12.091 | 0.115 | 18 | 2.070 | - | - | - | 0.115 | 18 | 2.070 |
| 1d / Advanced Armor Kits - OCO | | | - | - | 25.817 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1e / Production Support | | | - | - | 17.085 | - | - | 6.791 | - | - | 3.565 | - | - | - | - | - | - | - | - | - |
| 1f / Initial Spares | | | - | - | 2.692 | - | - | 0.602 | - | - | 0.500 | - | - | 0.105 | - | - | - | - | - | 0.105 |
| 1g / Base Vehicle & SOF Kits Congressional Plus Up (CPU) | | | - | - | 4.344 | - | - | - | 0.365 | 65 | 23.725 | - | - | - | - | - | - | - | - | - |
| 1h / C4ISR / Electronic Countermeasures Systems (ECMS) - A-Kits (CPU) | | | - | - | - | - | - | - | 0.147 | 65 | 9.575 | - | - | - | - | - | - | - | - | - |
| 1i / Initial Spares (CPU) | | | - | - | 0.050 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 1j / Production Support (CPU) | | | - | - | 0.052 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 1. Ground Mobility Vehicle (GMV) (Medium) | | | - | - | 284.860 | - | - | 79.793 | - | - | 71.002 | - | - | 2.175 | - | - | - | - | - | 2.175 |
| 2. Non-Standard Commercial Vehicle (NSCV) | | | | | | | | | | | | | | | | | | | | |
| 2a / Armored NSCV | | | - | - | 96.540 | 0.245 | 94 | 23.030 | 0.250 | 99 | 24.760 | 0.255 | 61 | 15.576 | - | - | - | 0.255 | 61 | 15.576 |
| 2b / Armored NSCV - OCO | | | - | - | 11.186 | 0.245 | 61 | 14.945 | 0.249 | 12 | 2.990 | - | - | - | 0.249 | 12 | 2.990 | 0.249 | 12 | 2.990 |
| 2c / Unarmored NSCV | | | - | - | 12.126 | 0.172 | 19 | 3.268 | 0.175 | 6 | 1.050 | 0.179 | 10 | 1.790 | - | - | - | 0.179 | 10 | 1.790 |
| 2d / C4ISR/ECMS - A Kits | | | - | - | 33.015 | 0.102 | 106 | 10.812 | 0.106 | 117 | 12.402 | 0.110 | 83 | 9.130 | - | - | - | 0.110 | 83 | 9.130 |
| 2e / C4ISR/ECMS - A Kits - OCO | | | - | - | 4.600 | 0.102 | 61 | 6.222 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2f / Production and Fielding Support | | | - | - | 16.015 | - | - | 3.725 | - | - | 1.918 | - | - | 1.488 | - | - | - | - | - | 1.488 |
| 2g / Armored NSCV - CPU | | | - | - | 1.953 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | | Date: February 2020 | | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | | | P-1 Line Item Number / Title: 0204TACVEH / TACTICAL VEHICLES | | | | | | | | Aggregated Items Title: Tactical Vehicles | | | |

| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 2h / C4ISR/ECMS - A Kits (CPU) | | | - | - | 0.900 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2i / Production and Fielding Support (OCO) | | | - | - | 0.147 | - | - | 0.444 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 2. Non-Standard Commercial Vehicle (NSCV) | | | - | - | 176.482 | - | - | 62.446 | - | - | 43.120 | - | - | 27.983 | - | - | 2.990 | - | - | 30.973⁽¹⁾ |
| 3. Prior Years | | | | | | | | | | | | | | | | | | | | |
| 3 / Prior Years Funding | | | - | - | 1,538.683 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 3. Prior Years | | | - | - | 1,538.683 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | | | - | - | 2,000.025 | - | - | 142.239 | - | - | 114.122 | - | - | 30.158 | - | - | 2.990 | - | - | 33.148 |

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

Footnotes:

⁽¹⁾ For the Defense Wide Review, United States Special Operations Command performed a comprehensive analysis of future capabilities and is reducing 25 Armored NSCVs and 25 C4ISR/ECMS - A Kits and production and fielding support (-\$9.348 million).

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M |
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| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160431BB |
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Line Item MDAP/MAIS Code: N/A

| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
|--|-------------|---------|---------|--------------|-------------|---------------|---------|---------|---------|---------|-------------|------------|
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 1,253.638 | 470.285 | 335.992 | 260.733 | 32.573 | 293.306 | 276.972 | 282.592 | 285.664 | 286.725 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 1,253.638 | 470.285 | 335.992 | 260.733 | 32.573 | 293.306 | 276.972 | 282.592 | 285.664 | 286.725 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 1,253.638 | 470.285 | 335.992 | 260.733 | 32.573 | 293.306 | 276.972 | 282.592 | 285.664 | 286.725 | Continuing | Continuing |
| (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:

This P-1 Line Item provides for the procurement, rapid fielding, and associated costs of specialized equipment in the areas of communications, weapons, soldier protection and survival systems, Personal Signature Management (PSM), Counter Radio-Controlled Improvised Explosive Device (RC-IED) jamming systems, Counter-Unmanned Aircraft Systems (C-UAS), Visual Augmentation Systems (VAS): optics, lasers and simulators, radios, trainers, simulators, mission planning and rehearsal systems to meet Special Operations Forces (SOF)-unique requirements. The efforts within this P-1 Line Item improve SOF warfighting capabilities by continuing the procurement of smaller, lighter, more efficient and more robust capabilities. Communications efforts will maintain a Command, Control, and Communications (C3) link between SOF Commanders and SOF Teams, and provide interoperability with all Services, various agencies of the U.S. Government, Air Traffic Control, commercial agencies and allied foreign forces. Small Arms and Weapons procures SOF weapons and associated equipment that have increased capabilities over the service-common small arms. Specialized protection and survival equipment improves survivability and load bearing equipment impacting the mobility of SOF while conducting varied missions. RC-IED jamming force protection system will further enhance the bandwidth performance to defeat emerging radio frequency detonation threats during mobile and dismount operations. C-UAS enhances the SOF Operator's ability to detect, track, identify, exploit and defeat specific stand-off unmanned weapon threats, and to acquire objects of military significance before an operator is detected and to target threat objects accurately for engagement by operators C-UAS defeat capabilities. Visual augmentation, lasers and sensor systems, simulators and accessories provide SOF with day and night detection, observation, engagement, assessment and proficiency training capabilities that exceed service-common systems and optimizes hyper-enabled operator effectiveness. Tactical radios rapidly and seamlessly establish and maintain mobile and fixed Command and Control (C2) communications between operational elements and higher echelon headquarters, allowing SOF to operate with any force combination in multiple environments. Mission Command System Common Operating Picture (MCS/COP) procures new technology hardware components for establishing a unified SOF COP across all domains at the strategic, operational and tactical level. This P-1 line item received Overseas Contingency Operations (OCO) funding in FY 2019 (\$21.135 million) and enduring OCO in FY 2020 (\$37.512 million). FY 2021 funding includes OCO for enduring requirements (\$32.573 million). These capabilities will be pursued via rapid fielding techniques when appropriate.

For the Defense Wide Review (DWR), USSOCOM performed a comprehensive analysis of future capabilities and is reducing and streamlining contract support efforts for RC-IED, C-UAS, SDN, SPCOM, and VAS programs to better align with the Department's priorities as outlined in the National Defense Strategy (\$31.003 million).

-\$0.640 million - SPCOM - reduces procurement quantities by four SPCOM Field Mission Sets.

-\$16.972 million - SDN - reduces procurement quantities by one SDN-Heavy hardware Capital Equipment Replacement Plan (CERP), 14 SDN Medium Hardware CERP, 85 SDN-Light Hardware CERP, and Extension Package CERP.

-\$0.428 million - RC-IED - reduces procurement of and contract support efforts for ancillary equipment which includes Modi Vehicle Power Modules (VPM), Modi backpacks and Egon Master Modules.

-\$0.443 million - C-UAS - reduces procurement quantities and contract support efforts for various C-UAS devices and ancillary equipment.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M |
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160431BB |
| Line Item MDAP/MAIS Code: N/A | | |
| <p>-\$6.622 million - VAS-Optics - reduces procurement quantities by 194 Binocular Night Vision Devices (NVD) - AN/PVS-31, 133 Clip On Thermal Imagers (COTI) - AN/PVS-29, 89 Clip On Short Wave Infrared Imager (COSI) AN/PAS-34, 10 Hand Held Imager (HHI), Mini Long-Range AN/PAS-33, 924 S-VPS (SFP) SU-293/PVS, 1,810 S-VPS (FFP) SU-294/PVS, and 199 SU-91/PVS Day Optics Handgun Reflex Sight (HRS).</p> <p>-\$4.528 million - VAS-Lasers - reduces procurement quantities by 400 ATPIAL Squad Aiming Lasers LA-23 PEQ, 118 ATPIAL Precision Aiming Lasers, 228 ATPIAL Handgun Aiming Lasers, 750 ATPIAL Ranging Aiming Lasers, and 450 Thermal Beacons.</p> <p>-\$1.370 million - VAS-Simulators - reduces procurement quantities for various VAS-Simulators.</p> | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M |
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|--|---|--|
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160431BB |
|--|---|--|

Line Item MDAP/MAIS Code: N/A

| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | Category - WARRIOR SYSTEMS <\$5M / 1. Special Communication (SPCOM) Enterprise | | | | - / 13.384 | - / 3.064 | - / 4.976 | - / 6.936 | - / 2.052 | - / 8.988 ⁽¹⁾ |
| P-40a | Category - WARRIOR SYSTEMS <\$5M / 2. Satellite Deployable Node (SDN) | | | | - / 548.232 | - / 94.293 | - / 114.197 | - / 60.842 | - / 0.813 | - / 61.655 ⁽²⁾ |
| P-40a | Category - WARRIOR SYSTEMS <\$5M / 3. SCAMPI | | | | - / 92.591 | - / 22.976 | - / 29.745 | - / 42.800 | - / 8.640 | - / 51.440 |
| P-40a | Category - WARRIOR SYSTEMS <\$5M / 4. Weapons | | | | - / 52.860 | - / 15.426 | - / 16.944 | - / 11.461 | - / - | - / 11.461 |
| P-40a | Category - WARRIOR SYSTEMS <\$5M / 5. Tactical Combat Casualty Care (TCCC) | | | | - / 36.824 | - / 16.269 | - / 2.839 | - / 1.084 | - / 1.561 | - / 2.645 |
| P-40a | Category - WARRIOR SYSTEMS <\$5M / 6. Personal Signature Management (PSM) | | | | - / - | - / - | - / 0.059 | - / - | - / - | - / - |
| P-40a | Category - WARRIOR SYSTEMS <\$5M / 7. Counter Radio Controlled-Improvised Explosive Device (RC-IED) | | | | - / 110.374 | - / 34.251 | - / 13.360 | - / 13.203 | - / - | - / 13.203 ⁽³⁾ |
| P-40a | Category - WARRIOR SYSTEMS <\$5M / 8. Counter Unmanned Aircraft System (C-UAS) | | | | - / - | - / 8.500 | - / 13.000 | - / - | - / 12.557 | - / 12.557 ⁽⁴⁾ |
| P-40a | Category - WARRIOR SYSTEMS <\$5M / 9. Visual Augmentation Systems (VAS) - Optics | | | | - / 195.210 | - / 33.104 | - / 23.594 | - / 16.755 | - / - | - / 16.755 ⁽⁵⁾ |
| P-40a | Category - WARRIOR SYSTEMS <\$5M / 10. Visual Augmentation Systems (VAS) - Lasers | | | | - / 43.549 | - / 33.973 | - / 14.298 | - / 9.987 | - / - | - / 9.987 ⁽⁶⁾ |
| P-40a | Category - WARRIOR SYSTEMS <\$5M / 11. Visual Augmentation Systems (VAS) - Simulators | | | | - / - | - / 1.100 | - / 12.427 | - / 1.142 | - / - | - / 1.142 ⁽⁷⁾ |
| P-40a | Category - WARRIOR SYSTEMS <\$5M / 12. SOF Tactical Communications | | | | - / 121.807 | - / 190.199 | - / 83.069 | - / 88.683 | - / 6.950 | - / 95.633 ⁽⁸⁾ |
| P-40a | Category - WARRIOR SYSTEMS <\$5M / 13. Radio Integration System | | | | - / 23.341 | - / 7.786 | - / 4.323 | - / 3.386 | - / - | - / 3.386 |
| P-40a | Category - WARRIOR SYSTEMS <\$5M / 14. Blue Force Tracking | | | | - / 15.466 | - / 9.344 | - / 3.161 | - / 3.079 | - / - | - / 3.079 |
| P-40a | Category - WARRIOR SYSTEMS <\$5M / 15. Mission Command System Common Operational Picture (MCS/COP) | | | | - / - | - / - | - / - | - / 1.375 | - / - | - / 1.375 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 1,253.638 | - / 470.285 | - / 335.992 | - / 260.733 | - / 32.573 | - / 293.306 |

*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 / Category Title when only P-40a Categories are shown.

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

Justification:

1. Special Communications (SPCOM) Enterprise. Program includes organization, practices, processes, services, networks, systems and subsystems that manage and provide clandestine exchange of information between elements (field-to-field, field-to-base and base-to-field) for worldwide deployed SOF units, often in austere environments with heavy adversarial monitoring. Acquisition efforts are structured for rapid procurements to counter adaptable emerging threats in all theaters of SOF sensitive missions. This program received Overseas Contingency Operations (OCO) funding in FY 2020.

FY 2021 PROGRAM JUSTIFICATION: Procures 15 field mission sets, as well as enterprise segment and base end segment such as mission-tailored, anti-intrusion/detection, enterprise-level, obfuscated communication capabilities for sensitive missions.

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M |
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160431BB |
| Line Item MDAP/MAIS Code: N/A | | |
| FY 2021 OCO PROGRAM JUSTIFICATION: Procures enterprise segment capabilities for sensitive missions. | | |
| 2. Satellite Deployable Node (SDN). Family of deployable, super high frequency, multi-band, Satellite Communications (SATCOM) systems providing the transport path for high-capacity, voice, data, Video Teleconferencing (VTC), and Intelligence Surveillance Reconnaissance (ISR) Full Motion Video (FMV) at all levels of classification. It consists of SDN subprograms, transport for intelligence variants, technology insertions and capital equipment replacement, to include FMV and Communications-On-the-Move (COTM). SDN-Heavy (SDN-H) is a deployable multi-channel/multi-band SATCOM terminal and associated switching equipment that provides wide-area connectivity through SOCOM Strategic Entry Points (SSEP) and commercial teleports for SOF task forces. SDN-Medium (SDN-M) is a lightweight, multi-channel SATCOM system that provides Command, Control, Communications, and Computers (C4) for SOF mid-level tactical headquarters and operational elements. SDN-Light (SDN-L) is a rugged, portable SATCOM package that supports small SOF liaison teams and small operational elements. Wide-band COTM consists of SDN afloat, ground mobile and airborne packages for SOF elements. The SDN ISR supports multimedia (ground, air, sea) sensor data backhaul and reception between platforms and various networks. This program received OCO funding in FY 2019 and FY 2020. | | |
| FY 2021 PROGRAM JUSTIFICATION: Procures CERP of seven SDN-H, CERP 36 SDN-M, CERP 178 SDN-L, CERP Full Motion Video (FMV) - Evolutionary Technology Insertions (ETIs), SDN-Extension Packages, COTMs, CERP COTM ETIs, CERP 42 Light Vx Variants, and SSEP. | | |
| FY 2021 OCO PROGRAM JUSTIFICATION: Procures SDN-Extension Packages and COTMs. | | |
| 3. SCAMPI (not an acronym). Wide Area Network (WAN) foundation system that transports, encrypts, and accelerates all data, voice, and video information between Headquarters USSOCOM, SOF deployed forces, all subordinate commands, and selected government agencies and activities directly supporting the special operations community. SCAMPI provides transport of SOF data, voice, and video, for all classification levels, to all USSOCOM locations in the SOF Information Environment (SIE). SCAMPI also utilizes commercial Satellite Infrastructure globally to extend the SIE to SDNs. This program received OCO funding in FY 2020. | | |
| FY 2021 PROGRAM JUSTIFICATION: CERP one Special Purpose Processing Node (SPPNs), procure one Installation Gateway (IG), CERP nine Installation Gateways, CERP one Strategic Installation Gateway (SIG), and procure nine Airborne ISR Transport manned/unmanned hubs. | | |
| FY 2021 OCO PROGRAM JUSTIFICATION: CERP five Installation Gateways. | | |
| 4. Weapons. Provides the SOF operator with common caliber weapons that enable SOF to accurately engage enemy personnel and materiel in all SOF environments at ranges up to 1500 meters. The Weapons program is delineated into four sub-programs: Weapons-Rifles, Weapons-Sniper Rifles, Weapons-Machine Guns, and Weapons-Handguns. Weapons include common caliber pistols to engage at close range, modular assault rifles to engage out to 600 meters, Sniper Support Rifles to engage out to 800 meters, sniper rifles to engage out to 1500 meters, shoulder fired grenade launchers, vehicle and man-portable high velocity grenade launchers, machine guns to engage out to 1000 meters, multi-barreled mini-guns which can be mounted on boats, vehicles, aircraft, and ground mounted to engage out to 3,500 meters, and Weapon Accessories to include suppressors used on both service-common and SOF weapons. These enable the operator to tailor the configuration of the weapon to the assigned mission and operational environment, enhancing the overall effectiveness of the weapons, which enables mission accomplishment and operator survivability. Mid-Range Gas Gun (MRGG), Lightweight Machine Gun-medium, and Personal Defense Weapons System (PDW) are designated MTA programs which uses the rapid fielding pathway and is executed using existing contracts, government agencies, and new contract competitively selected as appropriate. | | |
| FY 2021 PROGRAM JUSTIFICATION: Procures 508 Rifle Upper Receiver Groups (URG), 76 MK 15 Sniper Rifles, 303 Advanced Sniper Rifles (ASR), 298 Glock 19 Handguns and weapons range equipment. | | |
| 5. Tactical Combat Casualty Care (TCCC). Provides medical devices and equipment for treatment of casualties in support of forward deployed SOF. This program consists of the Operator Kit, Medic Kit, and Casualty Evacuation (CASEVAC) Set. The TCCC Program procures a variety of Food and Drug Administration-approved medical items include intraosseous (injection into the bone marrow) infusion devices; patient monitoring and assessment devices; emergency airway kits; and devices that support patient management, extraction, transportation, and casualty care. The TCCC program fields essential lifesaving CASEVAC equipment and capabilities and is a platform to transition capabilities developed under the National Mission Force's Tactical Medical Program. Finally, this program provides significant ability to lessen battlefield losses by providing timely, critical lifesaving, and evacuation capabilities to forward-deployed SOF Operators. This program received OCO funding in FY 2019 and FY 2020. | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M |
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160431BB |
| Line Item MDAP/MAIS Code: N/A | | |
| <p>FY 2021 PROGRAM JUSTIFICATION: Procures six CASEVAC sets and production support.</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Procures nine CASEVAC sets.</p> <p>6. PSM. The PSM program provides signature reducing materials and technology that reduce the probability of detection by battlefield threat sensors.</p> <p>7. RC-IED. Centralized program that provides a capability for USSOCOM to acquire RC-IED jamming systems. Mounted and Dismounted system designs provide force protection while operating in various environments. These systems are designed for easy update to protect against an evolving threat matrix. Continued procurement of the low visibility RC-IED jamming force protection system will further enhance the bandwidth performance to defeat emerging radio frequency (RF) detonation threats during mobile and dismount operations. This program provides scalable RC-IED systems whose configuration and modularity address a mission critical capability gap to counter the proliferation of RF-initiated IEDs globally. USSOCOM coordinates with other government agencies and Services to maximize hardware procurement savings through economies of scale. The procurement of SOF-specific RC-IED systems provides unique special mission ECM capabilities to National units.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 61 force protection RC-IED devices, and ancillary equipment.</p> <p>8. C-UAS. Provides the SOF Operator protection with a wide range of lightweight, low signature mounted, dismounted (hand held and man-portable) and expeditionary fixed site systems, to include but not limited to radio frequency (RF) detection, acoustic, electro-optical infrared (EO/IR), passive and active radar sensors. Procurement of SOF C-UAS systems allow the detection, identification, tracking, location and exploitation of enemy unmanned systems during dismounted and mounted operations in hostile and denied environments, while the services focus primarily on providing capability to address fixed site defense of Forward Operating Bases (FOB). C-UAS supports the National Defense strategy in providing joint lethality in contested environments by its continuous efforts in developing a variety of countermeasures to address C-UAS emerging threats. This program received OCO funding in FY 2020.</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Procures C-UAS devices (to include, but not limited to: passive/active mounted, dismounted (hand-held, man-portable) and expeditionary fixed site) and ancillary equipment.</p> <p>9. VAS - Optics. Provides the SOF operator with lightweight, man-portable thermal imagers that detect, acquire, and observe targets during day/night operations; equip the sniper with a lightweight, low signature, fire control and observation device that allows operators to detect, acquire, and engage targets out to the weapon's maximum effective range under day/night conditions; the devices allow the sniper to utilize the weapon during day to night operations without re-zeroing. VAS optics enhances target acquisition and accuracy of all SOF weapons, resulting in increased mission accomplishment and operator survivability. This program received OCO funding in FY 2019.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 1,000 Binocular Night Vision Devices, 200 Clip on Thermal Imagers, 60 Clip on Short Wave Infrared Imagers, 2,076 S-VPS (SFP) SU-293/VPS, 1,014 S-VPS (FFP) SU-294/VPS, and one SU-91/PVS Day Optics Handgun Reflex Sight (HRS).</p> <p>10. VAS - Lasers. Provides markers, lasers (handheld, body or helmet worn), infrared sights, and small target location devices. Provides laser target designators with range finding capability. The marker and location devices allow operators to conduct close air support and air interdiction missions through the terminal guidance of laser-guided munitions and provide precise location of targets. The marking devices reduce collateral damage and increase precise target engagements with fighter aircraft and attack helicopters. Thermal devices provide a night vision capability and verify that the energy from the device is on the target. This system is specifically gated and turned to view the invisible laser spot of the marker for use in designating laser guided bombs to targets. The Small Target Location Device (STLD) provides precise location of devices via lasers and celestial/terrestrial or alternative positional subsystems. Thermal beacon enables assets equipped with thermal sensors to identify the location of forces in order to prevent friendly fire or fratricide events. This budget item incorporated the VAS Weapons Accessories - Advanced Target Pointer Illuminator Aiming Laser (ATPIAL), and Laser Aiming Markers (LAM) programs.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 2,300 ATPIAL Squad Aiming Lasers, 35 ATPIAL Precision Aiming Lasers, 56 ATPIAL Handguns, 350 ATPIAL Ranging Aiming Laser, and 45 STLDs.</p> | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | Date: February 2020 |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M |
| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: 1160431BB |
| Line Item MDAP/MAIS Code: N/A | | |
| <p>11. VAS – Simulators. Simulator trainers enable SOF operators to learn, enhance, and hone skills, at a greatly reduced cost to training on a weapons range with live munitions. This item procures various simulators to enhance skills, such as the Joint Terminal Attack Controller (JTAC) simulation training for forward deployed SOF operators who direct the action of combat aircraft engaged in close air support and other offensive air operations. There are three required configurations, which include a full immersive system, classroom systems, and deployable system. The immersive and classroom configurations provide a full realistic simulation which addresses multiple phases of training to include proficiency, readiness, and mission preparation. The deployable configuration will support Host Nation/Partner Nation (HN/PN) training, as well as internal currency and rehearsal requirements when a JTAC is away from the garrison unit during training or forward deployed.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 11 Joint Terminal Attack Controller (JTAC) simulators.</p> <p>12. SOF Tactical Communications (STC). Provides the next generation SOF communication system and replaces most of the currently fielded SOF suite of radios. The capability will consist of four basic form factors: 1) Man-Pack (MP) device will be a multi-band device capable of being carried by an individual or being mounted on various SOF platforms; 2) Fixed configuration will be a multi-band and/or High-Frequency (HF) device designed for implementation into air/ground/sea platforms or base stations; 3) HF device in a man-pack configuration will be capable of being mounted on various SOF platforms; 4) Handheld (HH) device will include both an urban and maritime variant. This system will introduce additional capabilities to SOF to improve current situational awareness capabilities and performance on SOF platforms. Capabilities will include: real time, hostile and friendly force information; Line of Sight (LOS) and Beyond LOS communications; and access to situational awareness in the form of intelligence inputs, broadcasts, and networks. This system will be a key component of an integrated network providing information connectivity among SOF, the Services, other government agencies, and potentially indigenous and surrogate forces. This program received OCO funding in FY 2019 and FY 2020 and Congressional Adds in FY 2019.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 286 HH Link-16 radios, CERP 2,254 HH radios, CERP 1,308 MP radios, and CERP 330 HF radios.</p> <p>FY 2021 OCO PROGRAM JUSTIFICATION: Procures 188 HH Link-16 radios.</p> <p>13. Radio Integration System (RIS). RIS provides the command, control, and communications (C3) linkage between deployed SOF bases and Liaison Officer (LNO) teams to SOF, SOF headquarters, and SOF support elements. RIS is an evolutionary acquisition program to procure the most current tactical C3 communications system for deployed and forward-based SOF and is fully modular and scalable and consists of subsystems that allow users to tailor system capabilities, size, and features dependent on a particular mission. RIS interfaces, enhances, and combines multiple single channel radios into one integrated C3 suite to exchange secure/non-secure voice, secure data, and remote communications with other communications platforms in support of the SOF mission. RIS variants include; the Multi-Band Radio Transit Case, High Frequency Transit Case, and Mobile Base Station, and provide operators with increased capability, greater scalability, and a reduction in the size, weight, and power of previously fielded versions. These variants integrate existing and future radios to enable the SOF operational commander to exercise reliable, effective, and efficient C3 functions regardless of area of operation. This program received OCO funding in FY 2019.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures nine Multi-Band Radio Transit Cases, seven High Frequency Transit Cases, and five Mobile Base Stations.</p> <p>14. Blue Force Tracking (BFT). Family of devices used to remotely track and monitor Blue Forces. The capability enhances C2, threat warning, force protection, situational awareness, combat search and rescue, personnel recovery, counter-fratricide, and battlefield visualization. This capability is unique to SOF because it requires the devices to be lightweight, portable, secure and a Low Probability of Intercept/ Low Probability of Detection. SOF systems include handheld devices that provides automated transmission of position location information and brevity codes supporting both ground and air assets. This information is collected by national or commercial assets, relayed to select command units, and displayed on the receiving unit's common operational picture.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures 122 SHOUT-TS1, 154 Riverjack Tracker (RJT), 15 Lightning Bolt Handheld (LBHH),493 SHOUT-TS1S, and 31 Sand Dollar.</p> <p>15. MCS/COP. MCS/COP provides shared situational awareness for Special Operations Forces Commanders across all domains at the tactical, operational, and strategic levels. The MCS/COP delivers a near-real time common operational picture for understanding of the intelligence and operational environment to support decision making.</p> <p>FY 2021 PROGRAM JUSTIFICATION: Procures new technology for a unified SOF Common Operating Picture. High performance cloud computing infrastructure.</p> | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|---|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|------------------|--|-------------------|------------------|------------|----------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M | | | | | | | | | | Aggregated Items Title: WARRIOR SYSTEMS <\$5M | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) | |
| 1. Special Communication (SPCOM) Enterprise | | | | | | | | | | | | | | | | | | | | | |
| 1a / SPCOM Field Mission Sets | | | - | - | 10.191 | 0.161 | 19 | 3.064 | 0.162 | 17 | 2.759 | 0.165 | 15 | 2.477 | - | - | - | 0.165 | 15 | 2.477 | |
| 1b / SPCOM Enterprise Segment Capabilities | | | - | - | 1.836 | - | - | - | - | - | 0.108 | - | - | 0.110 | - | - | - | - | - | 0.110 | |
| 1c / SPCOM Enterprise Segment Capabilities - Overseas Contingency Operations (OCO) | | | - | - | - | - | - | - | - | - | 2.012 | - | - | - | - | - | 2.052 | - | - | 2.052 | |
| 1d / SPCOM Base End Segment Capabilities | | | - | - | 1.357 | - | - | - | - | - | 0.097 | - | - | 4.349 | - | - | - | - | - | 4.349 | |
| Subtotal: 1. Special Communication (SPCOM) Enterprise | | | - | - | 13.384 | - | - | 3.064 | - | - | 4.976 | - | - | 6.936 | - | - | 2.052 | - | - | 8.988 ⁽¹⁾ | |
| 2. Satellite Deployable Node (SDN) | | | | | | | | | | | | | | | | | | | | | |
| 2a / SDN-H Hardware Heavy - Capital Equipment Replacement Program (CERP) | | | - | - | 54.983 | 1.009 | 14 | 14.123 | 1.016 | 9 | 9.140 | 1.078 | 7 | 7.543 | - | - | - | 1.078 | 7 | 7.543 | |
| 2b / SDN-H Hardware Replacement - (OCO) | | | - | - | - | - | - | - | 1.300 | 1 | 1.300 | - | - | - | - | - | - | - | - | - | |
| 2c / SDN Medium Hardware - CERP | | | - | - | 146.556 | 0.428 | 7 | 3.000 | 0.318 | 65 | 20.659 | 0.327 | 36 | 11.771 | - | - | - | 0.327 | 36 | 11.771 | |
| 2d / SDN Medium Hardware - Replacement - OCO | | | - | - | - | 0.581 | 5 | 2.906 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 2e / SDN Light Hardware - CERP | | | - | - | 106.840 | 0.141 | 350 | 49.381 | 0.142 | 302 | 42.854 | 0.151 | 178 | 26.872 | - | - | - | 0.151 | 178 | 26.872 | |
| 2f / SDN Light Hardware - Replacement - OCO | | | - | - | - | 0.315 | 4 | 1.260 | 0.143 | 24 | 3.440 | - | - | - | - | - | - | - | - | - | |
| 2g / Predator Receive Terminal (PRT)- CERP | | | - | - | 9.773 | 2.167 | 3 | 6.500 | 2.206 | 3 | 6.618 | - | - | - | - | - | - | - | - | - | |
| 2h / Full Motion Video (FMV) - Evolutionary Technology Insertion (ETI) - CERP | | | - | - | 4.771 | - | - | - | - | - | 1.135 | - | - | 1.159 | - | - | - | - | - | 1.159 | |
| 2i / Extension Package - CERP | | | - | - | 2.333 | 0.364 | 3 | 1.093 | - | - | 1.065 | - | - | 0.908 | - | - | - | - | - | 0.908 | |
| 2j / Extension Package OCO | | | - | - | - | - | - | - | - | - | 0.281 | - | - | - | - | - | 0.288 | - | - | 0.288 | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|---|------------|-------------------|------------------|------------|-------------------|--|------------|------------------------|---------------------|------------|-------------------|------------------|------------|-----------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M | | | | | | Aggregated Items Title: WARRIOR SYSTEMS <\$5M | | | | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 2k / Comms-On-the-Move - ETI | | | - | - | 9.044 | - | - | 1.131 | - | - | 12.989 | - | - | 7.298 | - | - | - | - | - | 7.298 |
| 2l / Comms-On-the-Move - ETI - CERP | | | - | - | 3.036 | - | - | 1.654 | - | - | 2.132 | - | - | 0.778 | - | - | - | - | - | 0.778 |
| 2m / Comms-On-the-Move - OCO | | | - | - | 7.280 | - | - | - | - | - | 0.516 | - | - | - | - | - | 0.525 | - | - | 0.525 |
| 2n / Light Vx Variant - CERP | | | - | - | 6.592 | 0.100 | 50 | 4.993 | 0.099 | 42 | 4.165 | 0.101 | 42 | 4.246 | - | - | - | 0.101 | 42 | 4.246 |
| 2o / KuSS Ingest Hub - CERP | | | - | - | 20.633 | 1.650 | 5 | 8.252 | 1.976 | 4 | 7.903 | - | - | - | - | - | - | - | - | - |
| 2p / SOCOM Strategic Entry Point (SSEP) | | | - | - | - | - | - | - | - | - | - | - | - | 0.267 | - | - | - | - | - | 0.267 |
| 2q / Prior Year Funding | | | - | - | 137.891 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2r / Prior Year Funding - OCO | | | - | - | 38.500 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 2. Satellite Deployable Node (SDN) | | | - | - | 548.232 | - | - | 94.293 | - | - | 114.197 | - | - | 60.842 | - | - | 0.813 | - | - | 61.655 ⁽²⁾ |
| 3. SCAMPI | | | | | | | | | | | | | | | | | | | | |
| 3a / Special Purpose Processing Node - CERP | | | - | - | 2.135 | 0.626 | 2 | 1.252 | 0.766 | 1 | 0.766 | 0.779 | 1 | 0.779 | - | - | - | 0.779 | 1 | 0.779 |
| 3b / Installation Gateway (New) | | | - | - | 25.920 | 1.261 | 1 | 1.261 | 0.919 | 1 | 0.919 | 0.933 | 1 | 0.933 | - | - | - | 0.933 | 1 | 0.933 |
| 3c / Installation Gateway - CERP | | | - | - | 38.452 | 0.770 | 18 | 13.864 | 1.171 | 9 | 10.537 | 1.632 | 9 | 14.689 | - | - | - | 1.632 | 9 | 14.689 ⁽⁹⁾ |
| 3d / Installation Gateway - CERP OCO | | | - | - | - | - | - | - | 1.227 | 7 | 8.588 | - | - | - | 1.728 | 5 | 8.640 | 1.728 | 5 | 8.640 |
| 3e / Strategic Installation Gateway - CERP | | | - | - | 23.771 | 5.599 | 1 | 5.599 | 8.935 | 1 | 8.935 | 9.071 | 1 | 9.071 | - | - | - | 9.071 | 1 | 9.071 |
| 3f / Global Messaging/Counter Messaging - Software/Hardware | | | - | - | - | 1.000 | 1 | 1.000 | - | - | - | - | - | - | - | - | - | - | - | - |
| 3g / Airborne ISR - Transport Manned/Unmanned Hubs | | | - | - | - | - | - | - | - | - | - | 1.925 | 9 | 17.328 ⁽¹⁰⁾ | - | - | - | 1.925 | 9 | 17.328 |
| 3h / Prior Year Funding | | | - | - | 2.313 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 3. SCAMPI | | | - | - | 92.591 | - | - | 22.976 | - | - | 29.745 | - | - | 42.800 | - | - | 8.640 | - | - | 51.440 |
| 4. Weapons | | | | | | | | | | | | | | | | | | | | |
| 4a / Rifle - Upper Receiver Group (URG) | | | - | - | 9.574 | 0.006 | 1,340 | 8.038 | 0.008 | 980 | 8.144 | 0.010 | 508 | 5.081 | - | - | - | 0.010 | 508 | 5.081 |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|------------------|---|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | | P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M | | | | | | | | Aggregated Items Title: WARRIOR SYSTEMS <\$5M | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 4b / Sniper Rifle - MK 13 | | | - | - | 0.405 | 0.008 | 91 | 0.728 | - | - | - | - | - | - | - | - | - | - | - | - |
| 4c / Sniper Rifle - MK 15 | | | - | - | 2.079 | 0.008 | 69 | 0.552 | 0.008 | 20 | 0.160 | 0.008 | 76 | 0.604 | - | - | - | 0.008 | 76 | 0.604 |
| 4d / Advanced Sniper Rifle (ASR) | | | - | - | - | 0.008 | 25 | 0.200 | 0.010 | 450 | 4.500 | 0.012 | 303 | 3.633 | - | - | - | 0.012 | 303 | 3.633 |
| 4e / Machine Gun - MK 44 | | | - | - | 6.166 | 0.120 | 38 | 4.548 | 0.126 | 10 | 1.260 | - | - | - | - | - | - | - | - | - |
| 4f / Machine Gun - MK 46 - Overseas Contingency Operations (OCO) | | | - | - | 0.600 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4g / Handgun - Glock 19 | | | - | - | 7.725 | 0.001 | 561 | 0.561 | 0.002 | 762 | 1.523 | 0.002 | 298 | 0.595 | - | - | - | 0.002 | 298 | 0.595 |
| 4h / Range Equipment | | | - | - | 3.134 | - | - | 0.799 | - | - | 1.357 | - | - | 1.548 | - | - | - | - | - | 1.548 |
| 4i / Air National Guard (ANG) Equipment - Congressional Interest Item | | | - | - | 0.485 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4j / Prior Year Funding | | | - | - | 22.692 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 4. Weapons | | | - | - | 52.860 | - | - | 15.426 | - | - | 16.944 | - | - | 11.461 | - | - | - | - | - | 11.461 |
| 5. Tactical Combat Casualty Care (TCCC) | | | | | | | | | | | | | | | | | | | | |
| 5a / Casualty Evacuation (CASEVAC) Sets | | | - | - | 19.032 | 0.172 | 28 | 4.813 | 0.179 | 7 | 1.255 | 0.172 | 6 | 1.031 | - | - | - | 0.172 | 6 | 1.031 |
| 5b / CASEVAC Sets - OCO | | | - | - | 15.491 | 0.172 | 66 | 11.352 | 0.173 | 9 | 1.561 | - | - | - | 0.173 | 9 | 1.561 | 0.173 | 9 | 1.561 |
| 5c / ANG Equipment - Congressional Interest Item | | | - | - | 1.344 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5d / Production Support | | | - | - | 0.419 | - | - | 0.049 | - | - | 0.023 | - | - | 0.053 | - | - | - | - | - | 0.053 |
| 5e / Production Support - OCO | | | - | - | 0.381 | - | - | 0.055 | - | - | - | - | - | - | - | - | - | - | - | - |
| 5f / Air National Guard (ANG) Equipment - Congressional Interest Item | | | - | - | 0.157 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 5. Tactical Combat Casualty Care (TCCC) | | | - | - | 36.824 | - | - | 16.269 | - | - | 2.839 | - | - | 1.084 | - | - | 1.561 | - | - | 2.645 |
| 6. Personal Signature Management (PSM) | | | | | | | | | | | | | | | | | | | | |
| 6a / PSM System | | | - | - | - | - | - | - | 0.000 | 120 | 0.059 | - | - | - | - | - | - | - | - | - |
| Subtotal: 6. Personal Signature Management (PSM) | | | - | - | - | - | - | - | - | - | 0.059 | - | - | - | - | - | - | - | - | - |
| 7. Counter Radio Controlled-Improvised Explosive Device (RC-IED) | | | | | | | | | | | | | | | | | | | | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|------------------|---|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | | P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M | | | | | | | | Aggregated Items Title: WARRIOR SYSTEMS <\$5M | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 7a / RC-IED Device (11) | | | - | - | 74.726 | 0.147 | 222 | 32.634 | 0.252 | 51 | 12.842 | 0.195 | 61 | 11.895 | - | - | - | 0.195 | 61 | 11.895 |
| 7b / Ancillary Equipment (12) | | | - | - | 13.061 | - | - | 1.617 | - | - | 0.518 | - | - | 1.308 | - | - | - | - | - | 1.308 |
| 7c / Ancillary Equipment - OCO (13) | | | - | - | 2.911 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7d / Prior Year Funding | | | - | - | 5.676 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7e / Prior Year Funding - OCO *(includes prior year support funding from P5 in 19PBR exhibit) | | | - | - | 14.000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 7. Counter Radio Controlled-Improvised Explosive Device (RC-IED) | | | - | - | 110.374 | - | - | 34.251 | - | - | 13.360 | - | - | 13.203 | - | - | - | - | - | 13.203 (3) |
| 8. Counter Unmanned Aircraft System (C-UAS) | | | | | | | | | | | | | | | | | | | | |
| 8a / C-UAS Ancillary Equipment (OCO) (14) | | | - | - | - | - | - | - | - | - | 1.798 | - | - | - | - | - | 1.602 | - | - | 1.602 |
| 8b / C-UAS Devices (OCO) (15) | | | - | - | - | - | - | - | - | - | 11.202 | - | - | - | - | - | 10.955 | - | - | 10.955 |
| 8c / C-UAS Passive Detection (Acoustic) (16) | | | - | - | - | 0.275 | 19 | 5.230 | - | - | - | - | - | - | - | - | - | - | - | - |
| 8d / C-UAS Passive Detection (Optic) (17) | | | - | - | - | 0.545 | 6 | 3.270 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 8. Counter Unmanned Aircraft System (C-UAS) | | | - | - | - | - | - | 8.500 | - | - | 13.000 | - | - | - | - | - | 12.557 | - | - | 12.557 (4) |
| 9. Visual Augmentation Systems (VAS) - Optics | | | | | | | | | | | | | | | | | | | | |
| 9a / Binocular Night Vision Devices (NVD) - AN/PVS-31 | | | - | - | 68.284 | 0.007 | 695 | 4.865 | 0.007 | 394 | 2.758 | 0.007 | 1,000 | 7.000 | - | - | - | 0.007 | 1,000 | 7.000 |
| 9b / Binocular NVD - Battery Packs & Single Power Cables | | | - | - | - | 0.001 | 600 | 0.600 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9c / Binocular NVD - Battery Packs & Dual Power Cables | | | - | - | - | 0.001 | 111 | 0.111 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9d / Clip On Thermal Imagers (COTI) - AN/PAS-29 | | | - | - | 16.848 | 0.006 | 200 | 1.200 | 0.008 | 333 | 2.664 | 0.008 | 200 | 1.600 | - | - | - | 0.008 | 200 | 1.600 |
| 9e / Clip On Short Wave Infrared Imager (COSI) AN/PAS-34 | | | - | - | - | 0.016 | 105 | 1.680 | 0.017 | 149 | 2.533 | 0.016 | 60 | 0.960 | - | - | - | 0.016 | 60 | 0.960 |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|---|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-----------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M | | | | | | | | | Aggregated Items Title: WARRIOR SYSTEMS <\$5M | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 9f / INOD - SU-280/P - OCO | | | - | - | 7.980 | 0.046 | 71 | 3.238 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9g / Hand Held Imager (HHI) - Mini Long-Range AN/ PAS-33 | | | - | - | 14.280 | 0.075 | 30 | 2.250 | 0.075 | 10 | 0.750 | - | - | - | - | - | - | - | - | - |
| 9h / HHI - Dongles | | | - | - | - | 0.001 | 53 | 0.053 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9i / Enhanced Combat Optical Sight (ECOS) | | | - | - | 21.993 | - | - | - | 0.000 | 4,490 | 1.222 | - | - | - | - | - | - | - | - | - |
| 9j / S-VPS (SFP) SU-293/PVS | | | - | - | - | 0.002 | 6,794 | 13.588 | - | - | - | 0.002 | 2,076 | 4.152 | - | - | - | 0.002 | 2,076 | 4.152 |
| 9k / S-VPS (FFP) SU-294/PVS | | | - | - | - | 0.003 | 124 | 0.372 | - | - | - | 0.003 | 1,014 | 3.042 | - | - | - | 0.003 | 1,014 | 3.042 |
| 9l / SU-91/PVS Day Optics Handgun Reflex Sight (HRS) | | | - | - | - | 0.001 | 421 | 0.421 | 0.000 | 1,800 | 0.633 | 0.001 | 1 | 0.001 | - | - | - | 0.001 | 1 | 0.001 |
| 9m / Miniature Aiming System Day Optics (Scopes) | | | - | - | - | - | - | - | 0.002 | 6,517 | 13.034 | - | - | - | - | - | - | - | - | - |
| 9n / Close Quarter Sight (CQS) SU-292/ PVS Clip-on-Magnifier (COM) | | | - | - | - | 0.001 | 750 | 0.381 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9o / Ancillary Items | | | - | - | - | - | - | 0.671 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9p / Production Support | | | - | - | - | - | - | 1.630 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9q / New Equipment Training | | | - | - | - | - | - | 2.044 | - | - | - | - | - | - | - | - | - | - | - | - |
| 9r / Prior Year Funding | | | - | - | 31.244 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 9s / Prior Year Funding - OCO | | | - | - | 24.041 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 9t / Prior Year Funding - Congressional Add | | | - | - | 10.540 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 9. Visual Augmentation Systems (VAS) - Optics | | | - | - | 195.210 | - | - | 33.104 | - | - | 23.594 | - | - | 16.755 | - | - | - | - | - | 16.755 ⁽⁵⁾ |
| 10. Visual Augmentation Systems (VAS) - Lasers | | | | | | | | | | | | | | | | | | | | |
| 10a / ATPIAL Squad Aiming Laser LA-23 PEQ | | | - | - | - | 0.002 | 9,915 | 15.796 | 0.002 | 2,700 | 5.400 | 0.002 | 2,300 | 4.600 | - | - | - | 0.002 | 2,300 | 4.600 |
| 10b / ATPIAL Precision Aiming Laser | | | - | - | - | 0.012 | 807 | 9.684 | 0.013 | 160 | 2.080 | 0.015 | 35 | 0.525 | - | - | - | 0.015 | 35 | 0.525 |

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|---|-------|----------------|------------------|------------|-------------------|------------------|------------|-------------------|---|------------|-------------------|------------------|------------|-------------------|------------------|--|-------------------|------------------|------------|----------------------|--|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | | | | P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M | | | | | | | Aggregated Items Title: WARRIOR SYSTEMS <\$5M | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) | |
| 10c / ATPIAL Handgun Aiming Laser | | | - | - | - | - | - | - | 0.002 | 284 | 0.568 | 0.002 | 56 | 0.112 | - | - | - | 0.002 | 56 | 0.112 | |
| 10d / ATPIAL Ranging Aiming Laser | | | - | - | - | 0.002 | 2,230 | 4.460 | 0.002 | 1,100 | 2.200 | 0.002 | 350 | 0.700 | - | - | - | 0.002 | 350 | 0.700 | |
| 10e / Small Target Location Device | | | - | - | 4.182 | 0.109 | 37 | 4.033 | - | - | - | 0.090 | 45 | 4.050 | - | - | - | 0.090 | 45 | 4.050 | |
| 10f / Thermal Beacon | | | - | - | - | - | - | - | 0.009 | 450 | 4.050 | - | - | - | - | - | - | - | - | - | |
| 10g / Prior Year Funding | | | - | - | 38.702 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10h / Prior Year Funding - OCO | | | - | - | 0.665 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Subtotal: 10. Visual Augmentation Systems (VAS) - Lasers | | | - | - | 43.549 | - | - | 33.973 | - | - | 14.298 | - | - | 9.987 | - | - | - | - | - | 9.987 ⁽⁶⁾ | |
| 11. Visual Augmentation Systems (VAS) - Simulators | | | | | | | | | | | | | | | | | | | | | |
| 11a / VAS Simulators Immersive | | | - | - | - | - | - | - | 2.200 | 3 | 6.600 | - | - | - | - | - | - | - | - | - | |
| 11b / VAS Simulators Deployable | | | - | - | - | 0.100 | 11 | 1.100 | 0.104 | 6 | 0.624 | 0.104 | 11 | 1.142 | - | - | - | 0.104 | 11 | 1.142 | |
| 11c / VAS Simulators Classroom | | | - | - | - | - | - | - | 1.734 | 3 | 5.203 | - | - | - | - | - | - | - | - | - | |
| Subtotal: 11. Visual Augmentation Systems (VAS) - Simulators | | | - | - | - | - | - | 1.100 | - | - | 12.427 | - | - | 1.142 | - | - | - | - | - | 1.142 ⁽⁷⁾ | |
| 12. SOF Tactical Communications | | | | | | | | | | | | | | | | | | | | | |
| 12a / Handheld | | | - | - | 2.540 | - | - | - | 0.013 | 167 | 2.183 | - | - | - | - | - | - | - | - | - | |
| 12b / Handheld Link-16 ⁽¹⁸⁾ | | | - | - | 9.200 | 0.031 | 768 | 23.986 | 0.037 | 71 | 2.658 | 0.037 | 286 | 10.600 | - | - | - | 0.037 | 286 | 10.600 | |
| 12c / Handheld Link-16 OCO | | | - | - | - | - | - | - | 0.037 | 184 | 6.814 | - | - | - | 0.037 | 188 | 6.950 | 0.037 | 188 | 6.950 | |
| 12d / Handheld Link-16 (Congressional Add) | | | - | - | - | 0.037 | 345 | 12.800 | - | - | - | - | - | - | - | - | - | - | - | - | |
| 12e / Handheld - CERP ⁽¹⁹⁾ | | | - | - | 54.333 | 0.011 | 9,772 | 106.572 | 0.013 | 96 | 1.252 | 0.013 | 2,254 | 29.298 | - | - | - | 0.013 | 2,254 | 29.298 | |
| 12f / Handheld Combatant Craft Assault (CCA) GFE | | | - | - | - | 0.017 | 12 | 0.201 | 0.013 | 19 | 0.251 | - | - | - | - | - | - | - | - | - | |
| 12g / Manpack - CERP ⁽²⁰⁾ | | | - | - | 33.570 | 0.032 | 1,313 | 42.020 | 0.034 | 1,930 | 65.633 | 0.034 | 1,308 | 44.499 | - | - | - | 0.034 | 1,308 | 44.499 | |
| 12h / High Frequency - CERP | | | - | - | 14.866 | 0.013 | 355 | 4.620 | 0.013 | 329 | 4.278 | 0.013 | 330 | 4.286 | - | - | - | 0.013 | 330 | 4.286 | |
| 12i / Prior Year Funding | | | - | - | 0.620 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|---|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-----------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M | | | | | | | | | Aggregated Items Title: WARRIOR SYSTEMS <\$5M | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| 12j / Prior Year Funding - OCO | | | - | - | 1.678 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 12j / Prior Year Funding - Congressional Add | | | - | - | 5.000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 12. SOF Tactical Communications | | | - | - | 121.807 | - | - | 190.199 | - | - | 83.069 | - | - | 88.683 | - | - | 6.950 | - | - | 95.633 ⁽⁸⁾ |
| 13. Radio Integration System | | | | | | | | | | | | | | | | | | | | |
| 13a / Multi-Band Radio Transit Case | | | - | - | 5.116 | 0.188 | 24 | 4.508 | 0.174 | 10 | 1.744 | 0.172 | 9 | 1.547 | - | - | - | 0.172 | 9 | 1.547 |
| 13b / Multi-Band Radio Transit Case - OCO | | | - | - | - | 0.239 | 6 | 1.434 | - | - | - | - | - | - | - | - | - | - | - | - |
| 13c / High Frequency Transit Case | | | - | - | 1.176 | 0.121 | 8 | 0.966 | 0.127 | 10 | 1.266 | 0.129 | 7 | 0.906 | - | - | - | 0.129 | 7 | 0.906 |
| 13d / High Frequency Transit Case - OCO | | | - | - | - | 0.219 | 4 | 0.878 | - | - | - | - | - | - | - | - | - | - | - | - |
| 13e / Mobile Base Station | | | - | - | 0.897 | - | - | - | 0.196 | 5 | 0.982 | 0.186 | 5 | 0.933 | - | - | - | 0.186 | 5 | 0.933 |
| 13f / Ancillary Items | | | - | - | - | - | - | - | - | - | 0.331 | - | - | - | - | - | - | - | - | - |
| 13g / Prior Year Funding | | | - | - | 16.152 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 13. Radio Integration System | | | - | - | 23.341 | - | - | 7.786 | - | - | 4.323 | - | - | 3.386 | - | - | - | - | - | 3.386 |
| 14. Blue Force Tracking | | | | | | | | | | | | | | | | | | | | |
| 14a / SHOUT-TS1 | | | - | - | 0.769 | - | - | - | 0.001 | 100 | 0.100 | 0.001 | 122 | 0.122 | - | - | - | 0.001 | 122 | 0.122 |
| 14b / Cottonmouth | | | - | - | 2.250 | 0.008 | 68 | 0.572 | - | - | - | - | - | - | - | - | - | - | - | - |
| 14c / Riverjack Tracker (RJT) | | | - | - | 11.070 | 0.008 | 855 | 6.775 | 0.008 | 160 | 1.280 | 0.008 | 154 | 1.231 | - | - | - | 0.008 | 154 | 1.231 |
| 14d / Lightning Bolt Handheld (LBHH) | | | - | - | 0.159 | 0.010 | 16 | 0.156 | 0.010 | 16 | 0.156 | 0.010 | 15 | 0.156 | - | - | - | 0.010 | 15 | 0.156 |
| 14e / SHOUT-TS1S | | | - | - | - | 0.003 | 627 | 1.841 | 0.003 | 500 | 1.514 | 0.003 | 493 | 1.478 | - | - | - | 0.003 | 493 | 1.478 |
| 14f / Sand Dollar | | | - | - | - | - | - | - | 0.002 | 67 | 0.111 | 0.003 | 31 | 0.092 | - | - | - | 0.003 | 31 | 0.092 |
| 14g / Prior Year | | | - | - | 1.218 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: 14. Blue Force Tracking | | | - | - | 15.466 | - | - | 9.344 | - | - | 3.161 | - | - | 3.079 | - | - | - | - | - | 3.079 |
| 15. Mission Command System Common Operational Picture (MCS/COP) | | | | | | | | | | | | | | | | | | | | |
| 15.1 / Mission Command System Common Operational Picture (MCS/COP) Enterprise System ⁽²¹⁾ | | | - | - | - | - | - | - | - | - | - | - | - | 1.375 | - | - | - | - | - | 1.375 |

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|---|-------|----------------|------------------|------------|-------------------|------------------|---|-------------------|------------------|------------|-------------------|------------------|------------|--|---------------------|------------|-------------------|------------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | | P-1 Line Item Number / Title: 0204WARSYS / WARRIOR SYSTEMS <\$5M | | | | | | | Aggregated Items Title: WARRIOR SYSTEMS <\$5M | | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| Subtotal: 15. Mission Command System Common Operational Picture (MCS/COP) | | | - | - | - | - | - | - | - | - | - | - | - | 1.375 | - | - | - | - | - | 1.375 |
| Total | | | - | - | 1,253.638 | - | - | 470.285 | - | - | 335.992 | - | - | 260.733 | - | - | 32.573 | - | - | 293.306 |
| Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding. | | | | | | | | | | | | | | | | | | | | |
| Footnotes: | | | | | | | | | | | | | | | | | | | | |
| <p>(1) For the Defense Wide Review (DWR), United States Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing procurement quantities by one SDN-Heavy hardware CERP, 14 SDN Medium Hardware CERP, 85 SDN-Light Hardware CERP, and Extension Package CERP (-\$0.640 million).</p> <p>(2) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing procurement quantities by one SDN-Heavy hardware CERP, 14 SDN Medium Hardware CERP, 85 SDN-Light Hardware CERP, and Extension Package CERP (-\$16.972 million).</p> <p>(3) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing procurement of and contract support efforts for ancillary equipment which includes Modi Vehicle Power Modules (VPM), Modi backpacks and Egon Master Modules (-\$0.428 million).</p> <p>(4) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing procurement quantities and contract support efforts for various C-UAS devices and ancillary equipment (-\$0.443 million).</p> <p>(5) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing procurement quantities by 194 Binocular Night Vision Devices (NVD) - AN/PVS-31, 133 Clip On Thermal Imagers (COTI) - AN/PVS-29, 89 Clip On Short Wave Infrared Imager (COSI) AN/PAS-34, 10 Hand Held Imager (HHI), Mini Long-Range AN/PAS-33, 924 S-VPS (SFP) SU-293/PVS, 1,810 S-VPS (FFP) SU-294/PVS, and 199 SU-91/PVS Day Optics Handgun Reflex Sight (HRS) (-\$6.622 million).</p> <p>(6) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing procurement quantities by 400 ATPIAL Squad Aiming Lasers LA-23 PEQ, 118 ATPIAL Precision Aiming Lasers, 228 ATPIAL Handgun Aiming Lasers, 750 ATPIAL Ranging Aiming Lasers, and 450 Thermal Beacons (-\$4.528 million).</p> <p>(7) For the DWR, USSOCOM performed a comprehensive analysis of future capabilities and is reducing procurement quantities for various VAS-Simulators (-\$1.370 million).</p> <p>(8) FY21 Program net increase of \$12.564 million is primarily due to functionally aligning \$5.614 million for joint operational stock equipment and additional \$6.950 million OCO to Base for Enduring Requirement for CERP of Hand Held Link 16 radios.</p> <p>(9) FY21 increase is due the increased component life cycle replacement (\$4.152 million).</p> <p>(10) FY21 Program increase due to functionally aligning AISR-T funding for procurement of AISR Manned/Unmanned Hubs requirements (\$17.328 million).</p> <p>(11) Unit Cost for FY19 lowered to \$0.147 million per system due to SOCOM/Army/OGA total purchase of 770 Modi systems within 90 day ordering window. Unit Cost for FY20/21 factors in continued strategic partner alliance with SOCOM/Army/OGA achieving step-ladder pricing cost savings, although smaller quantities than FY19.</p> <p>(12) Ancillary equipment includes Modi Vehicle Power Modules, Modi backpacks, and a third-party module (Special Application Module).</p> <p>(13) OCO Ancillary equipment includes Modi Vehicle Power Modules (VPM) and Modi backpacks.</p> <p>(14) Ancillary equipment includes, but not limited to: cables, antennas, mounting hardware, containers for storage and shipping.</p> <p>(15) Procurement of C-UAS devices (to include, but not limited to: passive/active mounted, dismounted (hand-held, man-portable) and expeditionary fixed site. Quantities will be determined via successful Combat Evaluations (CV) that result in a formal follow-on enterprise C-UAS requirement to procure and field "best of breed" solutions via an official Program of Record to be established 1QFY21.</p> <p>(16) FY19 funding supported Combat Evaluations of commercially available C-UAS Passive Detection systems (acoustic panels) to fill an operational deficiency of force protection for expeditionary fixed site operations in hostile and denied environments. Lessons learned will inform follow-on enterprise C-UAS requirements to procure and field "best of breed" solutions.</p> <p>(17) FY19 funding supported Combat Evaluations of commercially available C-UAS Active Detection systems (EO/IR Optic) to fill an operational deficiency of force protection for expeditionary fixed site operations in hostile and denied environments. Lessons learned will inform follow-on enterprise C-UAS requirements to procure and field "best of breed" solutions.</p> <p>(18) FY21 increase is for the accelerated procurement of Handheld Link 16 radios (\$7.942 million).</p> <p>(19) FY21 increase is to accelerate the CERP of Handheld radios (\$28.046 million).</p> <p>(20) FY21 decrease is due to the rebaselining of Manpack (MP) radio CERP as a result of accelerated purchase of MPs in FY20 (-\$21.134 million).</p> <p>(21) MCS/COP includes but not limited to server racks, laptops, various hardware, etc.</p> | | | | | | | | | | | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | | | | | | P-1 Line Item Number / Title: 0206CMR / COMBAT MISSION REQUIREMENTS | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: N/A | | | | Other Related Program Elements: N/A | | | | |
| Line Item MDAP/MAIS Code: 0000 | | | | | | | | | | | | |
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 505.622 | 29.408 | 29.702 | 19.848 | 10.000 | 29.848 | 20.513 | 20.938 | 21.426 | 21.855 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 505.622 | 29.408 | 29.702 | 19.848 | 10.000 | 29.848 | 20.513 | 20.938 | 21.426 | 21.855 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 505.622 | 29.408 | 29.702 | 19.848 | 10.000 | 29.848 | 20.513 | 20.938 | 21.426 | 21.855 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Description: The Combat Mission Requirements line item procures emergent critical equipment shortfalls that must be rapidly fielded to Special Operations Forces operators in the field to conduct combat missions. These equipment shortfalls are identified by Geographical Combatant Commanders (GCCs) and validated and approved by United States Special Operations Command (USSOCOM) as a Combat Mission Needs Statement (CMNS). Each requirement is vetted through a rigorous USSOCOM process and must meet the following criteria: provide force protection to troops or ensure mission success. Equipment purchased under the CMNS umbrella include, but are not limited to, radios, intelligence equipment, unmanned aerial vehicles, blast and ballistic protected tactical vehicles, ammunition, weapons, aircraft defensive systems, night vision devices, and aircraft precision strike systems. USSOCOM submits an annual report to Congress that describes the CMNS that were approved during the current fiscal year. This P-1 line item received Overseas Contingency Operations (OCO) funding in FY 2019 (\$10.000 million) and FY 2020 (\$10.000 million) for Direct War Costs. FY 2021 funding includes OCO for Direct War Costs (\$10.000 million) | | | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | Date: February 2020 |
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| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | P-1 Line Item Number / Title: 0206CMR / COMBAT MISSION REQUIREMENTS |
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| ID Code (A=Service Ready, B=Not Service Ready): | Program Elements for Code B Items: N/A | Other Related Program Elements: N/A |
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Line Item MDAP/MAIS Code: 0000

| Exhibits Schedule | | | | | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 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 | Combat Mission Requirements | | | | - / 505.622 | - / 29.408 | - / 29.702 | - / 19.848 | - / 10.000 | - / 29.848 |
| P-40 | Total Gross/Weapon System Cost | | | | - / 505.622 | - / 29.408 | - / 29.702 | - / 19.848 | - / 10.000 | - / 29.848 |

*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:

FY 2021 PROGRAM JUSTIFICATION: Funding procures various equipment to rectify emergent critical equipment shortfalls identified by GCCs, and submitted and approved through the CMNS process or directed by Commander, USSOCOM.

FY 2021 OCO PROGRAM JUSTIFICATION: Funding procures various equipment to rectify emergent critical equipment shortfalls identified by GCCs for contingency operations, and submitted and approved through the CMNS process or directed by Commander, USSOCOM.

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| Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2021 United States Special Operations Command | | | | | | | | | | | | | | | Date: February 2020 | | | | | |
|---|-------|----------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|------------------|------------|-------------------|--|------------|-------------------|------------------|------------|-------------------|
| Appropriation / Budget Activity / Budget Sub Activity: 0300D / 02 / 4 | | | | | | P-1 Line Item Number / Title: 0206CMR / COMBAT MISSION REQUIREMENTS | | | | | | | | | Aggregated Items Title: Combat Mission Requirements | | | | | |
| Item Number / Title [DODIC] | ID CD | MDAP/MAIS Code | Prior Years | | | FY 2019 | | | FY 2020 | | | FY 2021 Base | | | FY 2021 OCO | | | FY 2021 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) |
| Combat Mission Needs Requirements | | | | | | | | | | | | | | | | | | | | |
| 1 / Critical Emergent Combat Mission Need | | | - | - | 0.042 | - | - | - | - | - | 10.561 | - | - | 19.848 | - | - | - | - | - | 19.848 |
| 2 / Critical Emergent Combat Mission Need - Overseas Contingency Operations (OCO) | | | - | - | - | - | - | - | - | - | 10.000 | - | - | - | - | - | 10.000 | - | - | 10.000 |
| Subtotal: Combat Mission Needs Requirements | | | - | - | 0.042 | - | - | - | - | - | 20.561 | - | - | 19.848 | - | - | 10.000 | - | - | 29.848 |
| Remote and Assist Virtual Accompany Kits (RAA-VAK) | | | | | | | | | | | | | | | | | | | | |
| RAA-VAK | | | - | - | 3.809 | - | - | 0.494 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Remote and Assist Virtual Accompany Kits (RAA-VAK) | | | - | - | 3.809 | - | - | 0.494 | - | - | - | - | - | - | - | - | - | - | - | - |
| Communication Systems | | | | | | | | | | | | | | | | | | | | |
| 1 / Hand Held Radios | | | - | - | - | - | - | 0.919 | - | - | - | - | - | - | - | - | - | - | - | - |
| 2 / Manpack Radios | | | - | - | - | - | - | 1.186 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Communication Systems | | | - | - | - | - | - | 2.105 | - | - | - | - | - | - | - | - | - | - | - | - |
| Mission Specific Munitions | | | | | | | | | | | | | | | | | | | | |
| SOF Peculiar Munitions | | | - | - | - | 0.010 | 35 | 0.350 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Mission Specific Munitions | | | - | - | - | - | - | 0.350 | - | - | - | - | - | - | - | - | - | - | - | - |
| AC-130 J Advanced Missile Warning System | | | | | | | | | | | | | | | | | | | | |
| A kits and B kits | | | - | - | - | 1.477 | 6 | 8.859 | 1.524 | 6 | 9.141 | - | - | - | - | - | - | - | - | - |
| Subtotal: AC-130 J Advanced Missile Warning System | | | - | - | - | - | - | 8.859 | - | - | 9.141 | - | - | - | - | - | - | - | - | - |
| Synthetic Aperture Radar | | | | | | | | | | | | | | | | | | | | |
| Synthetic Aperture Radar Systems | | | - | - | - | - | - | 7.600 | - | - | - | - | - | - | - | - | - | - | - | - |
| Synthetic Aperture Radar Systems OCO | | | - | - | - | - | - | 10.000 | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Synthetic Aperture Radar | | | - | - | - | - | - | 17.600 | - | - | - | - | - | - | - | - | - | - | - | - |
| Prior Year Costs | | | | | | | | | | | | | | | | | | | | |
| 1 / Prior Year Costs | | | - | - | 501.771 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Subtotal: Prior Year Costs | | | - | - | 501.771 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | | | - | - | 505.622 | - | - | 29.408 | - | - | 29.702 | - | - | 19.848 | - | - | 10.000 | - | - | 29.848 |
| Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding. | | | | | | | | | | | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | | | | | | P-1 Line Item Number / Title: 0607GVAS / GLOBAL VIDEO SURVEILLANCE ACTIVITIES | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | 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 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 71.655 | 6.281 | 4.787 | 2.401 | - | 2.401 | 2.472 | 2.534 | 2.617 | 2.130 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 71.655 | 6.281 | 4.787 | 2.401 | - | 2.401 | 2.472 | 2.534 | 2.617 | 2.130 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 71.655 | 6.281 | 4.787 | 2.401 | - | 2.401 | 2.472 | 2.534 | 2.617 | 2.130 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| <p>Description: This P-1 line item is part of the Military Intelligence Program. Details provided under separate cover.</p> <p>For the Defense Wide Review (DWR), US Special Operations Command performed a comprehensive analysis of future capabilities and is reducing the Global Video Surveillance Activities (GVSA) (details provided under separate cover) to better align with the Department's priorities as outlined in the National Defense Strategy (-\$2.000 million).</p> | | | | | | | | | | | | |
| <p>Justification: Details provided under separate cover.</p> | | | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | | | | | | P-1 Line Item Number / Title: 0607OEI / OPERATIONAL ENHANCEMENTS INTELLIGENCE | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | 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 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 350.099 | 29.183 | 15.769 | 13.861 | 6.724 | 20.585 | 20.333 | 20.603 | 20.930 | 21.348 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 350.099 | 29.183 | 15.769 | 13.861 | 6.724 | 20.585 | 20.333 | 20.603 | 20.930 | 21.348 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 350.099 | 29.183 | 15.769 | 13.861 | 6.724 | 20.585 | 20.333 | 20.603 | 20.930 | 21.348 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Description: This P-1 line item is part of the Military Intelligence Program. This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. This program received Overseas Contingency Operations (OCO) funding in FY 2019 (\$10.805 million) and FY 2020 (\$7.594 million). FY 2021 funding includes OCO for Enduring Requirements (\$6.724 million). | | | | | | | | | | | | |
| Justification: This program is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. | | | | | | | | | | | | |

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| Exhibit P-40, Budget Line Item Justification: PB 2021 United States Special Operations Command | | | | | | | | | | Date: February 2020 | | |
| Appropriation / Budget Activity / Budget Sub Activity: 0300D: Procurement, Defense-Wide / BA 02: Special Operations Command / BSA 4: Other Procurement Programs | | | | | | | P-1 Line Item Number / Title: 2143369000 / OPERATIONAL ENHANCEMENTS | | | | | |
| ID Code (A=Service Ready, B=Not Service Ready): | | | | Program Elements for Code B Items: N/A | | | | Other Related Program Elements: 1160408BB | | | | |
| Line Item MDAP/MAIS Code: N/A | | | | | | | | | | | | |
| Resource Summary | Prior Years | FY 2019 | FY 2020 | FY 2021 Base | FY 2021 OCO | FY 2021 Total | FY 2022 | FY 2023 | FY 2024 | FY 2025 | To Complete | Total |
| Procurement Quantity (<i>Units in Each</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Cost (<i>\$ in Millions</i>) | 6,238.022 | 468.739 | 327.726 | 247.038 | 53.264 | 300.302 | 292.948 | 304.344 | 325.567 | 333.722 | Continuing | Continuing |
| Less PY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Net Procurement (P-1) (<i>\$ in Millions</i>) | 6,238.022 | 468.739 | 327.726 | 247.038 | 53.264 | 300.302 | 292.948 | 304.344 | 325.567 | 333.722 | Continuing | Continuing |
| Plus CY Advance Procurement (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Obligation Authority (<i>\$ in Millions</i>) | 6,238.022 | 468.739 | 327.726 | 247.038 | 53.264 | 300.302 | 292.948 | 304.344 | 325.567 | 333.722 | Continuing | Continuing |
| <i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i> | | | | | | | | | | | | |
| Initial Spares (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Flyaway Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| Gross/Weapon System Unit Cost (<i>\$ in Millions</i>) | - | - | - | - | - | - | - | - | - | - | - | - |
| <p>Description: Details provided under separate cover. This P-1 Line Item received Overseas Contingency Operations (OCO) funding in FY 2019 (\$141.850 million) and FY 2020 (\$45.194 million). FY 2021 funding includes OCO Direct War Costs (\$12.580 million) and OCO for Enduring Requirements (\$40.684 million).</p> <p>For the Defense Wide Review (DWR), US Special Operations Command (USSOCOM) performed a comprehensive analysis of future capabilities and is reducing the Operational Enhancements program (Details provided under a separate cover) to better align with the Department's priorities as outlined in the National Defense Strategy (-\$6.802 million).</p> | | | | | | | | | | | | |
| <p>Justification: Details provided under separate cover.</p> | | | | | | | | | | | | |

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