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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2021 Air Force **Date:** February 2020

<b>Appropriation/Budget Activity</b>					<b>R-1 Program Element (Number/Name)</b>							
3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>					PE 0603742F / <i>Combat Identification Technology</i>							
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	-	17.561	32.085	26.396	0.000	26.396	24.797	25.241	25.692	26.165	Continuing	Continuing
642597: <i>Noncooperative Identification Subsystems</i>	-	17.561	24.545	22.124	0.000	22.124	20.019	20.427	20.941	21.325	Continuing	Continuing
642599: <i>Cooperative Identification Techniques</i>	-	0.000	2.040	2.076	0.000	2.076	2.082	2.119	2.156	2.197	Continuing	Continuing
643420: <i>Combat ID Database Development</i>	-	0.000	5.500	2.196	0.000	2.196	2.696	2.695	2.595	2.643	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

Combat Identification (CID) is the process of determining the identity of an entity in the battlespace. It is essential to determine if that entity is a friend, neutral or enemy; and if an enemy, the nature of the entity determines how it should be engaged. The CID team's mission is to identify new and promising CID technology candidates, evaluate the usefulness of the technologies, conduct demonstrations in operationally relevant environments, and coordinate strategies that expedite transition to more than one platform. This PE aims to integrate and transition new capabilities into fielded systems, and improve existing capabilities. The mission area consists of two thrusts: cooperative CID and non-cooperative CID. Cooperative CID systems require communication between two participating platforms. Non-cooperative CID techniques do not depend on a response from the targeted platform - such as high range resolution radar that measures the length of a target. Both cooperative and non-cooperative CID techniques are currently in the field, and are necessary elements of the kill chain that ensure mission success and reduce fratricide.

Non-cooperative CID employs a number of sensing technologies and signal processing techniques. The observations are compared to a database to identify battlespace entities. These technologies include: (1) Laser Vision, an Electro-Optical/Infrared (EO/IR) imaging system that significantly increases ID ranges; (2) Hydra Vision, a balanced (robust) amalgamation of sensor data from multiple sources to provide warfighters with higher confidence CID results on surface or air targets, fusion to counter camouflage, concealment and deception (CCD), and multi-phenomenology features for sustainable databases; (3) Compact Aided Target Recognition (AiTR) and Sustainable Environments (CASE), a CID approach that focuses on tailoring algorithms to use smaller, more efficient databases that are faster and less expensive to generate and maintain; (4) Passive Radio Frequency (RF) ID Environment (PRIDE), a program to develop passive RF target ID capability for denied access environment using passive RF and electronic warfare (EW) information; (5) Radio ID (RID), a program to develop methods for using advances in digital radio technologies such as software defined radios to provide low cost ID solutions to enhance CID, improve aircrew situational awareness and assist in fratricide prevention with military and civil air platforms, potentially fusing non-cooperative techniques and cooperative technologies; (6) Enhanced Combat ID (ECID), a program under Studies to develop a robust ability to quantitatively evaluate promising CID technologies using enhanced modeling and simulation (M&S) capabilities; and (7) Kill-chain Weapon Integrated CID (KWIC), a program that seeks to modify Air to Ground sensors to provide better situational and combat identification of target area.

Cooperative Combat Identification (CID) employs technologies required to rapidly identify friendly platforms. The program develops, integrates and evaluates technologies that provide AF platforms with a means of positively identifying an air or ground platform as a friendly, via active or passive cooperative identification capabilities. Development funded by this project ensures availability of a Mode 5 upgrade path for implementing ground and air platforms across the Air Force fleet.

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<p>The Combat ID (CID) Database Initiative (DBI) effort is a project under the Combat Identification (CID) portfolio and is designed to remove the "hard-coded" static ID parameters from the host platform's sensor and replace them with parameterized values that are dynamic. The DBI project primarily consists of four efforts: a.) determining the requisite ID parameters for CID, b) designing and developing a database to contain the CID parameters identified in Task a, c) developing techniques to generate the requisite parameters, and d) provide CID parameters developed from measured or modeled data. This project is projected to begin in early FY-20 therefore no funds have been required/requested previously.</p> <p>In FY21 our non-cooperative goals will be to complete the first transition of a feature-level fusion ATR capability for air targets onto F-16 AESA aircraft under Air to Air Hydravision, providing a substantial improvement in CID performance at long range. This effort will lead the way for other platforms to integrate this capability. AAHV will also transition a major improvement in air target CID to the F-15E AESA aircraft. CASE will be in the final demonstration phase of a significant ground target CID capability that will transition to F-15E AESA and F/A-18 AESA the following year. VAMP and 3DTO will both be preparing to transition CID capability to Litening in FY21. FY21 will see the initiation of three major programs, to include Integrated Determination of ID (ID2) - using advances associated with Joint Multisensor Advanced CID (JMAC) to provide feature-level fusion to ground target ID; Integrated Combat ID with EW (ICE), pulling EW-specific features into feature-level fusion; and Kill Chain Weapons Integrated CID (KWIC), using information from launched weapons through a back link to provide CID from within the hot battlespace.</p> <p>In FY21, cooperative goals will be to test and certify the responsibilities for the present Mark XII system, develop and integrate the new Mark XIIA (Mode 5) IFF system, and also the development/integration of civil Mode S capabilities into Mark XIIA IFF equipment. The cooperative funds will be used to fund project and test engineers who will develop and test standards, perform certification testing in the field, process certifications and track all OSD/FAA guidelines to insure the program remains current. The OSD/FAA guidelines require Mode 5 be fully implemented by 2020 and the AIMS Program will insure those certifications are current on all applicable platforms/systems and work with both domestic and foreign military sales partners to insure compliance. The funds also support DOD representation to several military (US and NATO) and civil (FAA, ICAO and RTCA) requirements meetings for Mode 5, Mode S and ADS-B.</p> <p>In FY-21, the DBI effort will determine the requisite CID features for High Range Resolution (HRR) and Non Cooperative Target Recognition (NCTR) air to air modes; specify the requirements for initial CID database design for these radar modes; and collect initial sample data to populate the HRR and NCTR databases for developmental test/debug. Databases for other CID modalities will be added over time (e.g., air to air ground radar modes, 3-D LADAR, etc.)</p> <p>Activities also include studies and analysis to support both current program planning and execution and future program planning.</p> <p>This program element may include necessary civilian pay expenses required to manage, execute, and deliver Combat Identification technologies. The use of such program funds would be in addition to the civilian pay expenses budgeted in program element 0605831F.</p> <p>This effort is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&amp;P), because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.</p>		

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2021 Air Force	<b>Date:</b> February 2020
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<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0603742F / <i>Combat Identification Technology</i>
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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>
Previous President's Budget	18.194	27.085	26.444	0.000	26.444
Current President's Budget	17.561	32.085	26.396	0.000	26.396
Total Adjustments	-0.633	5.000	-0.048	0.000	-0.048
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	5.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	-0.633	0.000	-0.048	0.000	-0.048

**Change Summary Explanation**

This funding will enable the CID portfolio to continue developing critical CID technologies.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Air Force										<b>Date:</b> February 2020		
<b>Appropriation/Budget Activity</b> 3600 / 4					<b>R-1 Program Element (Number/Name)</b> PE 0603742F / <i>Combat Identification Technology</i>				<b>Project (Number/Name)</b> 642597 / <i>Noncooperative Identification Subsystems</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
642597: <i>Noncooperative Identification Subsystems</i>	-	17.561	24.545	22.124	0.000	22.124	20.019	20.427	20.941	21.325	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

Non-cooperative CID employs a number of sensing technologies and signal processing techniques. The observations are compared to a database to identify battlespace entities. These technologies include: (1) Laser Vision, an Electro-Optical/Infrared (EO/IR) imaging system that significantly increases ID ranges; (2) Hydra Vision, a balanced (robust) amalgamation of sensor data from multiple sources to provide warfighters with higher confidence CID results on surface or air targets, fusion to counter camouflage, concealment and deception (CCD), and multi-phenomenology features for sustainable databases; (3) Compact Aided Target Recognition (AiTR) and Sustainable Environments (CASE), a CID approach that focuses on tailoring algorithms to use smaller, more efficient databases that are faster and less expensive to generate and maintain; (4) Passive Radio Frequency (RF) ID Environment (PRIDE), a program to develop passive RF target ID capability for denied access environment using passive RF and electronic warfare (EW) information; (5) Radio ID (RID). a program to develop methods for using advances in digital radio technologies such as software defined radios to provide low cost ID solutions to enhance CID, improve aircrew situational awareness and assist in fratricide prevention with military and civil air platforms, potentially fusing non-cooperative techniques and cooperative technologies; (6) Enhanced Combat ID (ECID), a program under Studies to develop a robust ability to quantitatively evaluate promising CID technologies using enhanced modeling and simulation (M&S) capabilities; and (7) Kill-chain Weapon Integrated CID (KWIC), a program that seeks to modify Air to Ground sensors to provide better situational and combat identification of target area.

In FY21 our non-cooperative goals will be to complete the first transition of a feature-level fusion ATR capability for air targets onto F-16 AESA aircraft under Air to Air Hydravision, providing a substantial improvement in CID performance at long range. This effort will lead the way for other platforms to integrate this capability. AAHV will also transition a major improvement in air target CID to the F-15E AESA aircraft. CASE will be in the final demonstration phase of a significant ground target CID capability that will transition to F-15E AESA and F/A-18 AESA the following year. VAMP and 3DTO will both be preparing to transition CID capability to Litening in FY21. FY21 will see the initiation of three major programs, to include Integrated Determination of ID (ID2) - using advances associated with Joint Multisensor Advanced CID (JMAC) to provide feature-level fusion to ground target ID; Integrated Combat ID with EW (ICE), pulling EW-specific features into feature-level fusion; and Kill Chain Weapons Integrated CID (KWIC), using information from launched weapons through a back link to provide CID from within the hot battlespace.

Activities also include studies and analysis to support both current program planning and execution and future program planning.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver Combat Identification technologies. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 0605826F, 0605827F, 0605828F, 0605829F, 0605830F, 0605831F, 0605832F, and 0605898F.

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>
<p><b>Title:</b> Laser Vision</p> <p><b>Description:</b> The Vibrometry Advanced Mode Processor (VAMP) program develops advanced algorithms for processing data provided by laser vibrometry sensors to demonstrate prototype pilot Aided Target Recognition software. This leverage ability of active electro-optic sensors to sense micro-displacements of operating machinery to measure the resulting frequency spectrum. The program will assess utility for air-to-ground CID. FY20/21 - will apply AiTR algorithms to determine how well the technology can separate target classes.</p> <p>Laser Vision is part of a family of electro-optical (EO) systems that significantly increase ID ranges. It provides the demonstration and evaluation data necessary to support decisions on future EO technologies supporting CID, including 3-D (3-dimensional) imaging laser radar (Ladar) and exploration of advanced concepts. The 3-D ladar technology provides a display of a 3-D EO image to the pilot for high confidence combat identification and is a potential for the next generation targeting pods for the USAF.</p> <p>The Multi-Mode Ladar Aided Target Recognition (M2LATR), which combines the work of 3DTO (3D laser imaging) and SIREN/VAMP (laser vibrometry), to create a longer-range fused-feature CID technique that uses the combined orthogonal features of both systems to provide a robust long-range CID capability.</p> <p><b>FY 2020 Plans:</b> Completing testing and evaluation.</p> <p><b>FY 2021 Base Plans:</b> Will integrate (M2L) 3DTO and VAMP work into new, more capable package.</p> <p><b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> Decrease is due to VAMP work winding down with 3DTO efforts wrapping up in FY20/21; emphasis shifts to M2L integration.</p>	2.572	3.920	3.100	-	3.100
<p><b>Title:</b> Hydra Vision/Air to Air</p> <p><b>Description:</b> Hydra Vision (Multi-Sensor Enhanced ID) is a balanced (robust) amalgamation of sensor data from multiple sources to provide warfighters with higher confidence CID results on surface or air targets. There are two main thrusts occurring simultaneously, Air-to-Air and Air-to-Ground.</p> <p><b>FY 2020 Plans:</b> - Continuing to generate models and update database information</p>	6.923	5.100	4.778	-	4.778

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>
- Examining all flight demonstrations of technology development <b>FY 2021 Base Plans:</b> Will further development of feature level fusion that will be integrated into a tactical platform's mission computer. <b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> Decrease is due to increased Program Office contribution as one of the capabilities approaches transition this will require less from the CID PE.					
<b>Title:</b> Compact AiTR (Aided Target Recognition) and Sustainable Environment (CASE) <b>Description:</b> CASE is a family of efforts to address efficiency and sustainability issues associated with the development, operation and maintenance of non-cooperative AiTR technology. Develop sustainable multi-phenomenology AiTR based on low fidelity, compact, and inexpensive database technology. <b>FY 2020 Plans:</b> - Examining all flight demonstrations <b>FY 2021 Base Plans:</b> Will transition SAR ATR capability to NASIC in FY21; nearing completion. <b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> decrease is due to project approaching completion.	2.750	2.666	0.700	-	0.700
<b>Title:</b> Passive RF ID Environment (PRIDE) <b>Description:</b> Develop passive RF target ID capability for denied access environment utilizing passive RF and EW information with potential non-traditional ISR capabilities. <b>FY 2020 Plans:</b> Continuing to develop techniques that will assist in the transitioning of ISR capabilities <b>FY 2021 Base Plans:</b> Will continue expansion of higher-offset-angle synthetic aperture radar bistatic mode. <b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> Slight reduction in funding associated with reduction in activity from Sandia National Laboratory as their role in the program comes to a close.	0.710	4.880	4.691	-	4.691
<b>Title:</b> Radio ID (RID)	1.325	3.058	3.919	-	3.919

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>
<p><b>Description:</b> RID will develop technologies to integrate radio based cooperative technologies with non-cooperative technologies into the cockpit. The benefits will be increased confidence target ID and situational awareness as well as reduced fratricides.</p> <p><b>FY 2020 Plans:</b> - Performing lab demonstrations - Continuing to develop integrative radio based cooperative technologies</p> <p><b>FY 2021 Base Plans:</b> Will execute the first airborne demonstration of the technology.</p> <p><b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> Increased funding required for contractors conducting the first airborne demonstration.</p>					
<p><b>Title:</b> Studies</p> <p><b>Description:</b> Conduct CID-related studies/demos.</p> <p><b>FY 2020 Plans:</b> Continuing to perform system designs and continue to develop algorithms.</p> <p><b>FY 2021 Base Plans:</b> Will shake out advanced concepts to determine if they will become development projects. These include integration of electronic warfare features as a CID source; upgrades to synthetic aperture radar (SAR) CID; extraction of features from sensors on flyout weapons; and a variety of modeling and simulation efforts.</p> <p><b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> Slight increase in funding for upgraded SAR CID as that technology matures.</p>	3.281	4.921	4.281	-	4.281
<p><b>Title:</b> Kill-chain Weapon Integrated CID (KWIC)</p> <p><b>Description:</b> KWIC will use air to ground sensors to provide better situational awareness and Combat ID of target area</p> <p><b>FY 2020 Plans:</b></p>	0.000	0.000	0.655	-	0.655

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Air Force	<b>Date:</b> February 2020
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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
<p>KWIC Program was initially a study effort in FY20. Technology developed and matured to the point it was decided to make it a distinct effort in FY21.</p> <p><b>FY 2021 Base Plans:</b> KWIC program effort continues with feature extraction and algorithm development</p> <p><b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> Program moves from study effort to further development in FY21</p>					
<b>Accomplishments/Planned Programs Subtotals</b>	17.561	24.545	22.124	-	22.124

**C. Other Program Funding Summary (\$ in Millions)**  
N/A

**Remarks**

**D. Acquisition Strategy**  
 Combat Identification develops technologies for exploitation by the USAF and other services.  
 Award multiple, competitive contract vehicles emphasizing off-the-shelf technology and maximizing the use of non-developmental items (NDIs).  
 Management develops a technology to a point it can be demonstrated in a relative combat environment.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Air Force** **Date:** February 2020

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<b>Product Development (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Product Development	C/CPAF	Not specified. : TBD	-	-		-		-		-		-	Continuing	Continuing	-
Hydra Vision (Air-to-Air) - L	C/CPFF	Leidos : Reston, VA	-	0.995	Oct 2018	1.000	Feb 2020	1.000	Jan 2021	-		1.000	Continuing	Continuing	-
Hydra Vision, Target Recognition & Tracking Technology	MIPR	Sandia : Albuquerque, NM	-	0.450	Mar 2019	1.000	Feb 2020	0.500	Oct 2020	-		0.500	Continuing	Continuing	-
Studies - ECID OMS SME	C/CPAF	Ball Aerospace : MD	-	0.000	Dec 2018	0.100	Mar 2020	0.000	Dec 2020	-		0.000	Continuing	Continuing	-
Studies - ECID	PO	AFIT : Dayton, OH	-	0.000	Dec 2018	0.000		0.000		-		0.000	Continuing	Continuing	-
CASE - Compact AiTR and Sustainable Environment Analysis - L	C/CPFF	Leidos : Mclean, VA	-	0.800	Nov 2018	1.066	Jan 2020	0.500	Jan 2021	-		0.500	Continuing	Continuing	-
Passive Radar Identification Environment (PRIDE) - L	C/CPFF	Leidos : Mclean, VA	-	0.610	Jan 2019	3.000	Feb 2020	3.000	Oct 2020	-		3.000	Continuing	Continuing	-
Passive Radar Identification Environment (PRIDE) -STR	C/CPFF	Systems and Technology Research : Woburn, MA	-	0.000	Jan 2019	0.000		0.000		-		0.000	Continuing	Continuing	-
Passive Radar Identification Environment (PRIDE) - IAI	C/CPFF	Integrated Applications Inc : Chantilly, VA	-	0.000	Jan 2019	0.000		0.000		-		0.000	Continuing	Continuing	-
Radio Identification (RID)	MIPR	DMEA : Sacramento, CA	-	1.325	Feb 2019	3.058	Feb 2020	4.000	Feb 2021	-		4.000	Continuing	Continuing	-
M2LATR	C/CPFF	TBD : TBD	-	0.000	Aug 2019	2.070	Mar 2020	2.650	Mar 2021	-		2.650	Continuing	Continuing	-
VAMP	C/CPAF	Northrop Grumman : Rolling Meadows, IL	-	1.800	Feb 2019	1.250	Feb 2020	0.450	Jan 2021	-		0.450	Continuing	Continuing	-
3DTO MASTER	C/CPAF	DEC : Beavercreek, OH	-	0.400	Jul 2019	0.600	Mar 2020	-		-		-	Continuing	Continuing	-
Infoscitex	C/CPAF	Infoscitex : Dayton, OH	-	0.100	Mar 2019	0.130	Mar 2020	0.130	Mar 2021	-		0.130	Continuing	Continuing	-
PRECISE-N	C/CPAF	Northrop Grumman : Baltimore, MD	-	3.018	Oct 2018	1.800	Jan 2020	1.700	Jan 2021	-		1.700	Continuing	Continuing	-

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<b>Product Development (\$ in Millions)</b>				<b>FY 2019</b>		<b>FY 2020</b>		<b>FY 2021 Base</b>		<b>FY 2021 OCO</b>		<b>FY 2021 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
PRECISE-R	C/CPAF	Raytheon : El Segundo, CA	-	2.618	Nov 2018	1.800	Jan 2020	1.528	Jan 2021	-		1.528	Continuing	Continuing	-
CAST	MIPR	DMEA : Sacramento, CA	-	1.700	Dec 2018	1.200	Jan 2020	0.300	Jan 2021	-		0.300	Continuing	Continuing	-
Concept Call #1	C/CPAF	TBD : TBD	-	-		0.100	May 2020	0.200	May 2021	-		0.200	Continuing	Continuing	-
Concept Call #2	C/CPAF	TBD : TBD	-	-		-		0.100	May 2021	-		0.100	Continuing	Continuing	-
Integrated Determination of IDs (ID2)	C/CPAF	TBD : TBD	-	-		0.500	Mar 2020	0.408	Mar 2021	-		0.408	Continuing	Continuing	-
Integrated CID EW	C/CPAF	TBD : TBD	-	-		0.500	Dec 2019	0.408		-		0.408	Continuing	Continuing	-
Kill Chain Weapons Integrated CID	C/CPAF	TBD : TBD	-	-		0.480	Jan 2020	0.655	Jan 2021	-		0.655	Continuing	Continuing	-
AFSIM Development	C/CPAF	TBD : TBD	-	-		0.200	Feb 2020	0.100	Feb 2021	-		0.100	Continuing	Continuing	-
JMAC Integration	C/CPAF	TBD : TBD	-	-		0.183	Feb 2020	0.159	Feb 2021	-		0.159	Continuing	Continuing	-
<b>Subtotal</b>			-	13.816		20.037		17.788		-		17.788	Continuing	Continuing	N/A

<b>Support (\$ in Millions)</b>				<b>FY 2019</b>		<b>FY 2020</b>		<b>FY 2021 Base</b>		<b>FY 2021 OCO</b>		<b>FY 2021 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Support	C/CPAF	Not specified. : TBD	-	-		-		-		-		-	Continuing	Continuing	-
Systems Engineering Support	MIPR	MITRE : Rome, NY	-	0.193	Mar 2019	0.200	Dec 2019	0.000		-		0.000	Continuing	Continuing	-
Systems Frontier Support	MIPR	Frontier Technology : Dayton, OH	-	0.125	Jul 2019	0.150	May 2020	0.150	May 2021	-		0.150	Continuing	Continuing	-
Systems Dynetics Support	C/CPAF	Dynetics : Dayton, OH	-	0.100	Feb 2019	0.180	Feb 2020	0.180	Feb 2021	-		0.180	Continuing	Continuing	-
ECID MS&A	C/CPAF	TBD : TBD	-	0.124	Dec 2018	0.600	Dec 2019	0.600	Dec 2020	-		0.600	Continuing	Continuing	-
<b>Subtotal</b>			-	0.542		1.130		0.930		-		0.930	Continuing	Continuing	N/A

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Air Force** **Date:** February 2020

<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603742F / <i>Combat Identification Technology</i>	<b>Project (Number/Name)</b> 642597 / <i>Noncooperative Identification Subsystems</i>
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<b>Test and Evaluation (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Test and Evaluation	PO	Army : WSMR, NM	-	0.350	Sep 2019	-		-		-		-	Continuing	Continuing	-
Data Collection	PO	46th Test Wing : Eglin AFB, FL	-	0.000	Feb 2019	1.450	Mar 2020	1.411	Oct 2020	-		1.411	Continuing	Continuing	-
AP Hill	C/CPAF	AP Hill : Ft AP Hill, VA	-	0.023	Feb 2019	-		-		-		-	Continuing	Continuing	-
<b>Subtotal</b>			-	0.373		1.450		1.411		-		1.411	Continuing	Continuing	N/A

<b>Management Services (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Management Services	C/CPAF	Not specified. : TBD	-	-		-		-		-		-	Continuing	Continuing	-
AFRL PMA	Various	Various : Various, OH	-	0.115	Mar 2019	1.928	Mar 2020	1.995		-		1.995	Continuing	Continuing	-
Systems Engineering Program Management (AIMSPO)-Mode 5 Level 2 B Cooperative	MIPR	DMEA : McClellan, CA	-	-		-		-		-		-	Continuing	Continuing	-
System Engineering Program Management (AIMSPO) Cooperative	MIPR	DTIC : Robins AFB, GA	-	2.535	Feb 2019	-		-		-		-	Continuing	Continuing	-
Program Office Support Cooperative	Various	Various : Various	-	0.180	Oct 2018	-		-		-		-	Continuing	Continuing	-
Program Office Support DOD AIMS Process System (DAPS) data base Cooperative	MIPR	78ABW : Robins AFB, FM	-	0.000	Jun 2019	-		-		-		-	Continuing	Continuing	-
<b>Subtotal</b>			-	2.830		1.928		1.995		-		1.995	Continuing	Continuing	N/A

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2021 Air Force</b>								<b>Date:</b> February 2020					
<b>Appropriation/Budget Activity</b> 3600 / 4				<b>R-1 Program Element (Number/Name)</b> PE 0603742F / <i>Combat Identification Technology</i>				<b>Project (Number/Name)</b> 642597 / <i>Noncooperative Identification Subsystems</i>					
	<b>Prior Years</b>	<b>FY 2019</b>		<b>FY 2020</b>		<b>FY 2021 Base</b>		<b>FY 2021 OCO</b>		<b>FY 2021 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	-	17.561		24.545		22.124		-		22.124	Continuing	Continuing	N/A

**Remarks**





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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2021 Air Force		<b>Date:</b> February 2020
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603742F / <i>Combat Identification Technology</i>	<b>Project (Number/Name)</b> 642597 / <i>Noncooperative Identification Subsystems</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Combat Identification Technology</i></b>				
LASER VISION - VAMP	1	2019	2	2023
LASER VISION - VAMP Lab Demo	4	2019	4	2019
LASER VISION - VAMP POD Demo	3	2021	3	2021
LASER VISION - 3D Ladar (3DTO)	1	2019	2	2020
LASER VISION - 3D Ladar (3DTO) Lab Demo	2	2019	2	2019
LASER VISION - 3D Ladar (3DTO) POD Demo	4	2019	4	2019
Hydra Vision/FJORD - Air to Air (2 & 3 Features) (TRL-6 begins 3Qt FY18)	1	2019	4	2024
Hydra Vision - Air to Air 2 Feature RT Demo	4	2019	4	2022
Hydra Vision - Air to Air 3 Feature RT Demo	4	2020	4	2020
Compact AiTR - Compact Feature AiTR	1	2019	4	2022
Compact AiTR - Compact Feature LiDAR AiTR Lab Demo (May 2017)	3	2019	3	2019
Compact AiTR- Compact Feature AiTR - Flight Demo (Jul 2017)	4	2019	4	2019
Passive RF ID (PRIDE)	4	2019	2	2024
Passive RF ID (PRIDE) - Lab Demo (Jun 20)	3	2020	3	2021
Passive RF ID (PRIDE) - OPS Demo (Dec 2022)	1	2023	1	2023
Radio ID (RID)/Integrated CID w/Electronic Warfare (ICE)	2	2019	2	2025
Radio ID - Lab Demo #1 (Jul 2019)	4	2019	4	2019
Radio ID - Lab Demo #2 (Jan 2021)	2	2021	2	2021
Radio ID -Flight Demo (Aug 2022)	3	2022	3	2022
Kill Chain Weapons Integration (KWIC)	1	2020	4	2025
Studies	1	2019	4	2025

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2021 Air Force			<b>Date:</b> February 2020	
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603742F / <i>Combat Identification Technology</i>	<b>Project (Number/Name)</b> 642597 / <i>Noncooperative Identification Subsystems</i>		

<b>Events by Sub Project</b>	<b>Start</b>		<b>End</b>	
	<b>Quarter</b>	<b>Year</b>	<b>Quarter</b>	<b>Year</b>
Enhanced CID (ECID)	1	2019	1	2024

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Air Force										<b>Date:</b> February 2020		
<b>Appropriation/Budget Activity</b> 3600 / 4					<b>R-1 Program Element (Number/Name)</b> PE 0603742F / <i>Combat Identification Technology</i>				<b>Project (Number/Name)</b> 642599 / <i>Cooperative Identification Techniques</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
642599: <i>Cooperative Identification Techniques</i>	-	0.000	2.040	2.076	0.000	2.076	2.082	2.119	2.156	2.197	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

Cooperative Combat Identification (CID) employs technologies required to rapidly identify friendly platforms. The program develops, integrates and evaluates technologies that provide AF platforms with a means of positively identifying an air or ground platform as a friendly, via active or passive cooperative identification capabilities. The development funded by this project ensures availability of a Mode 5 upgrade path for implementing ground and air platforms across the Air Force fleet. The DoD International AIMS PO has system level interoperability testing and certification responsibilities for the present Mark XII system, development and integration of the new Mark XIIA (Mode 5) IFF system, and development/integration of civil Mode S capabilities into Mark XIIA IFF equipment. The AIMS PO ensures IFF equipment equipment/platform functionality IAW established standards and ensures total system interoperability to meet DoD/Service mission areas (e.g. Offensive Counter Air, Defensive Counter Air, and Integrated Air and Missile Defense). DoD International AIMS PO will continue to test and certify IFF equipment for the Services for as long as IFF is used for CID.

In FY21 our cooperative goals will be to test and certify the responsibilities for the present Mark XII system, develop and integrate the new Mark XIIA (Mode 5) IFF system, and also the development/integration of civil Mode S capabilities into Mark XIIA IFF equipment. The cooperative funds will be used to fund project and test engineers who will develop and test standards, perform certification testing in the field, process certifications and track all OSD/FAA guidelines to insure the program remains current. The OSD/FAA guidelines require Mode 5 be fully implemented by 2020 and the AIMS Program will insure those certifications are current on all applicable platforms/systems and work with both domestic and foreign military sales partners to insure compliance. The funds also support DOD representation to several military (US and NATO) and civil (FAA, ICAO and RTCA) requirements meetings for Mode 5, Mode S and ADS-B.

**B. Accomplishments/Planned Programs (\$ in Millions)**

	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>
<b>Title:</b> Air Traffic Control and Radar Beacon Systems Identification Friend or Foe Mark XIIA System (AIMS) Program Office	0.000	2.040	2.076	0.000	2.076
<b>Description:</b> Develop and maintain technical standards on development, integration, testing, and certification of DoD IFF (Identification Friend or Foe) equipment. Coordinate and execute equipment/subsystem-level certifications and platform certifications of IFF capabilities (132 platform certifications were completed in FY19). Support Foreign Military Sales of U.S. IFF equipment. Currently managing 29 active FMS Cases. Support NATO IFF Capabilities Team (Mode 5 IFF is a NATO waveform). Support International Civil Aviation Organization (ICAO) Technical Support Group (develops standards for world-wide civil Air Traffic Control).					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Air Force		<b>Date:</b> February 2020
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603742F / <i>Combat Identification Technology</i>	<b>Project (Number/Name)</b> 642599 / <i>Cooperative Identification Techniques</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>
<p>Create and maintain civil Mode S address assignments and military Mode 5 Platform ID Number (PIN) assignments for every DoD platform using these waveforms in their interrogator and/or transponder equipment.</p> <p><b>FY 2020 Plans:</b> Continuing to fund AIMS for interoperability IFF testing (civil and military), FAA liaison, to support of Mode 4 / Mode 5 equipment, updating and developing IFF standards.</p> <p><b>FY 2021 Base Plans:</b> - Will continue to fund AIMS for interoperability IFF testing (civil and military), FAA liaison, to support of Mode 4 / Mode 5 equipment, updating and developing IFF standards.</p> <p><b>FY 2021 OCO Plans:</b> N/A</p> <p><b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> FY20 to FY21 increase of \$.036M funds the annual standard increase in rates for contract costs.</p>					
<b>Accomplishments/Planned Programs Subtotals</b>	0.000	2.040	2.076	0.000	2.076

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• RDTE 04 0603742F: <i>Combat Identification Technology</i>	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Remarks**

**D. Acquisition Strategy**  
 Combat Identification develops technologies for exploitation by the USAF and the other services. Award multiple, competitive contract vehicles emphasizing off-the-shelf technology and maximizing the use of non-developmental items (NDIs). Management develops a technology to a point it can be demonstrated in a relative combat environment.





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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2021 Air Force		<b>Date:</b> February 2020
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603742F / <i>Combat Identification Technology</i>	<b>Project (Number/Name)</b> 642599 / <i>Cooperative Identification Techniques</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Cooperative Identification Techniques</i></b>				
AIMS Program Office Activities	1	2019	4	2025
AIMS Program Office Annual Workshop (April 2019)	3	2019	3	2019
AIMS Program Office Annual Workshop (Apr 2020)	3	2020	3	2020
AIMS Program Office Annual Workshop (Apr 2021)	3	2021	3	2021

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Air Force										<b>Date:</b> February 2020		
<b>Appropriation/Budget Activity</b> 3600 / 4					<b>R-1 Program Element (Number/Name)</b> PE 0603742F / <i>Combat Identification Technology</i>				<b>Project (Number/Name)</b> 643420 / <i>Combat ID Database Development</i>			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
643420: <i>Combat ID Database Development</i>	-	0.000	5.500	2.196	0.000	2.196	2.696	2.695	2.595	2.643	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

The Database Initiative (DBI) is a project, under the Combat Identification (CID) portfolio, designed to remove the "hard-coded" static ID parameters (typically updated every 4-5 years) from the host platform's sensor(s) and replace them with parameterized values that are easily and quickly updated when new intelligence inputs come available (this allows maximum flexibility to tailor each aircraft's CID database(s) based on assigned theater of operation, threat country of interest, and assigned mission tasks). The DBI project primarily consists of four efforts: a.) determining a sensor's requisite ID parameters for CID, b) designing and developing a database to contain the CID parameters identified in Task a, c) developing techniques to generate the requisite parameters, and d) provide CID parameters developed from measured or modeled data.

Due to the critical nature of this project (impacts every combat and many ISR platforms), DBI uses existing PE 63742F funds. The FY-21 effort will determine the requisite CID features for High Range Resolution (HRR) and Non Cooperative Target Recognition (NCTR) air to air modes; specify the requirements for initial CID database design for these radar modes; and collect initial sample data to populate the HRR and NCTR databases for developmental test/debug. Databases for other CID modalities will be added over time (e.g., air to air ground radar modes, 3-D LADAR, etc.)

The benefit of using Mission Definable parameters is that they are dynamically developed and can be added, edited, or removed by preflight Mission Planning software such as the Joint Mission Planning System (JMPS). Current CID parameters for existing techniques, e.g., NCTR, are being developed faster than host platform OFPs. This leads to implementation lags that often exceed as great as four years. By removing the "hard-coded" parameters from the sensors and enabling loading dynamic values via mission planning, the lag time could initially be reduced to months, and possibly even weeks or days.

**B. Accomplishments/Planned Programs (\$ in Millions)**

	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>
<b>Title:</b> Database Development	0.000	5.500	2.196	-	2.196
<b>Description:</b> The Database Initiative (DBI) is a project, under the Combat Identification (CID) portfolio, designed to remove the "hard-coded" static ID parameters from the host platform's sensor and replace them with parameterized values that are dynamic.					
<b>FY 2020 Plans:</b> This project begins in early FY20 (no funds have been required/requested previously). -determine the requisite CID features for HRR and NCTR					

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Air Force		<b>Date:</b> February 2020
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603742F / <i>Combat Identification Technology</i>	<b>Project (Number/Name)</b> 643420 / <i>Combat ID Database Development</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>
-specify the requirements for initial database design -collect initial sample data to populate the database for developmental test/debug -develop a device to load time through DS-101 and other interfaces  <b>FY 2021 Base Plans:</b> - will determine the requisite CID features for HRR and NCTR air-to-air radar modes - will specify the requirements for initial CID database design for these radar modes - collect initial sample data to populate the HRR and NCTR databases for developmental test/debug  <b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> The DBI effort will decrease activity identified as timing device effort comes to completion.					
<b>Accomplishments/Planned Programs Subtotals</b>	0.000	5.500	2.196	-	2.196

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021 Base</u>	<u>FY 2021 OCO</u>	<u>FY 2021 Total</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• RDTE 04 0603742F: <i>Combat Identification Technology</i>	0.000	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Remarks**

**D. Acquisition Strategy**

Combat Identification develops technologies for exploitation by the USAF and the other services. Award multiple, competitive contract vehicles emphasizing off-the-shelf technology and maximizing the use of non-developmental items (NDIs). Management develops a technology to a point it can be demonstrated in a relative combat environment.

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2021 Air Force</b>											<b>Date: February 2020</b>				
<b>Appropriation/Budget Activity</b> 3600 / 4				<b>R-1 Program Element (Number/Name)</b> PE 0603742F / <i>Combat Identification Technology</i>				<b>Project (Number/Name)</b> 643420 / <i>Combat ID Database Development</i>							
<b>Product Development (\$ in Millions)</b>				<b>FY 2019</b>		<b>FY 2020</b>		<b>FY 2021 Base</b>		<b>FY 2021 OCO</b>		<b>FY 2021 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
Product Development	C/CPAF	Not specified. : TBD	-	-		-		-		-		-	Continuing	Continuing	-
Database Development	MIPR	NASIC : WPAFB, OH	-	-		5.500	May 2020	2.196	Feb 2021	-		2.196	Continuing	Continuing	-
<b>Subtotal</b>			-	-		5.500		2.196		-		2.196	Continuing	Continuing	N/A
			<b>Prior Years</b>	<b>FY 2019</b>		<b>FY 2020</b>		<b>FY 2021 Base</b>		<b>FY 2021 OCO</b>		<b>FY 2021 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>			-	-		5.500		2.196		-		2.196	Continuing	Continuing	N/A
<b>Remarks</b>															

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<b>Exhibit R-4, RDT&amp;E Schedule Profile:</b> PB 2021 Air Force		<b>Date:</b> February 2020
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603742F / <i>Combat Identification Technology</i>	<b>Project (Number/Name)</b> 643420 / <i>Combat ID Database Development</i>

	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

<b>Combat ID Database Development</b>																												
Combat ID Database Development																												

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2021 Air Force		<b>Date:</b> February 2020
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603742F / <i>Combat Identification Technology</i>	<b>Project (Number/Name)</b> 643420 / <i>Combat ID Database Development</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Combat ID Database Development</i></b>				
Combat ID Database Development	3	2020	4	2025