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Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Air Force **Date:** May 2021

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 3: Advanced Technology Development (ATD)</i>	R-1 Program Element (Number/Name) PE 0603112F / <i>Advanced Materials for Weapon Systems</i>
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COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	-	58.657	60.059	31.905	0.000	31.905	-	-	-	-	-	-
632100: <i>Laser Hardened Materials</i>	-	18.307	0.000	14.446	0.000	14.446	-	-	-	-	-	-
633153: <i>Non-Destructive Inspection Development</i>	-	8.501	0.000	4.600	0.000	4.600	-	-	-	-	-	-
633946: <i>Materials Transition</i>	-	31.849	60.059	12.859	0.000	12.859	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This program develops and demonstrates advanced materials and process technologies to satisfy Department of the Air Force requirements in areas such as survivability, readiness, affordability, and new processes and materials. These projects ensure the Department of the Air Force weapon systems are ready and able when needed.

The Department of the Air Force technologies in this program are both enabling and enduring as we invest in maturing emerging technologies that address established mission gaps, and transformational technologies that address integrated enterprise capabilities intended to reshape the future force across air, space, and cyber warfighting domains. Development of transformational operational capabilities through advanced technology solutions focuses on five strategic capabilities: Global Persistent Awareness; Resilient Information Sharing; Rapid, Effective Decision-Making; Complexity, Unpredictability, and Mass; and Speed and Reach of Disruption and Lethality.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver science and technology capabilities. The use of program funds in this PE would be in addition to the civilian pay expenses budgeted in program elements 0601102F, 0602102F, 0602201F, 0602202F, 0602203F, 0602204F, 0602602F, 0602605F, 0602788F, 1206601SF, and 0602298F.

This program is in Budget Activity 3, Advanced Technology Development because this budget activity includes development of subsystems and components and efforts to integrate subsystems and components into system prototypes for field experiments and/or tests in a simulated environment.

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Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force / BA 3: Advanced Technology Development (ATD)	R-1 Program Element (Number/Name) PE 0603112F / Advanced Materials for Weapon Systems
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B. Program Change Summary (\$ in Millions)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Previous President's Budget	60.086	0.000	0.000	0.000	0.000
Current President's Budget	58.657	60.059	31.905	0.000	31.905
Total Adjustments	-1.429	60.059	31.905	0.000	31.905
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	25.000			
• Congressional Directed Transfers	0.000	35.169			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-1.429	0.000			
• Other Adjustments	0.000	-0.110	31.905	0.000	31.905

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 632100: Laser Hardened Materials

Congressional Add: *Advanced ballistic eyewear*

Congressional Add Subtotals for Project: 632100

	FY 2020	FY 2021
	2.436	-
Congressional Add Subtotals for Project: 632100	2.436	-

Project: 633153: Non-Destructive Inspection Development

Congressional Add: *Artificial intelligence enhanced life cycle management*

Congressional Add Subtotals for Project: 633153

	1.949	0.000
Congressional Add Subtotals for Project: 633153	1.949	0.000

Project: 633946: Materials Transition

Congressional Add: *Program increase - Metals Affordability Research*

Congressional Add: *Program Increase - Composites technology*

Congressional Add: *Additive manufacturing for aerospace components*

Congressional Add: *Advanced ballistic eyewear*

Congressional Add Subtotals for Project: 633946

Congressional Add Totals for all Projects

	9.744	10.000
	8.770	6.000
	0.000	5.000
	0.000	4.000
Congressional Add Subtotals for Project: 633946	18.514	25.000
Congressional Add Totals for all Projects	22.899	25.000

Change Summary Explanation

Increase in FY 2022 is due Congressional realignment of advanced materials efforts back to this program element.

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Exhibit R-2A, RDT&E Project Justification: PB 2022 Air Force										Date: May 2021		
Appropriation/Budget Activity 3600 / 3					R-1 Program Element (Number/Name) PE 0603112F / <i>Advanced Materials for Weapon Systems</i>				Project (Number/Name) 632100 / <i>Laser Hardened Materials</i>			
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
632100: <i>Laser Hardened Materials</i>	-	18.307	0.000	14.446	0.000	14.446	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project develops and demonstrates advanced materials technologies that enhance protection for Department of the Air Force personnel to ensure safety and to enable them to perform required missions in threat environments. Advanced materials technologies also enhance protection for Department of the Air Force sensors and systems to ensure safety, survivability, and operability in threat environments.

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

	FY 2020	FY 2021	FY 2022
Title: Aerospace Systems Protection	7.459	0.000	8.387
Description: Develop and demonstrate materials technologies that enhance hardening for sensors, avionics, and components to increase survivability and mission effectiveness of Department of the Air Force systems.			
FY 2021 Plans: Continue to assess the demonstrated results and transition the use of protection technologies for future sensor designs and strategies to mitigate directed energy damage for visual/near, short-wave, and mid-wave infrared detectors. Continue transitioning new technologies and integrate the developments into light, operator friendly survivable electro-optic sensors that provide full spectrum protection for missile warning. Continue analyzing the high-performance properties of damage limiting semiconductor materials designed to harden electro-optic imaging sensors. Continue to transition developed laser countermeasures for survivability of dynamic electro-optic/infrared imagers. Continue to advance the employment and integration of evolved computational materials science to model materials characteristics to increase accuracy and shorten design cycle time of coatings development for use in sensor hardening. Transition and continue technology development and maturation to develop defensive capability for air systems airframe and anti-access munitions hardening assessments and solutions. Initiate development of materials for survivable next generation aircraft sensor systems.			
FY 2022 Plans: Continue to validate and assess the demonstrated results and transition the use of protection technologies for future sensor designs and strategies to mitigate directed energy damage for visual/near, short-wave, and mid-wave infrared detectors. Continue transitioning new technologies and integrate the developments into light, operator friendly survivable electro-optic sensors that provide full spectrum protection for missile warning. Continue analyzing the high-performance properties of damage limiting semiconductor materials designed to harden electro-optic imaging sensors. Continue to transition developed laser countermeasures for survivability of dynamic electro-optic/infrared imagers. Continue to advance the employment and integration			

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Appropriation/Budget Activity 3600 / 3	R-1 Program Element (Number/Name) PE 0603112F / <i>Advanced Materials for Weapon Systems</i>	Project (Number/Name) 632100 / <i>Laser Hardened Materials</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2020	FY 2021	FY 2022
<p>of evolved computational materials science to model materials characteristics to increase accuracy and shorten design cycle time of coatings development for use in sensor hardening. Transition and continue technology development and maturation to develop defensive capability for air systems airframe and anti-access munitions hardening assessments and solutions. Continue development of materials for survivable next generation aircraft sensor systems.</p> <p>FY 2021 to FY 2022 Increase/Decrease Statement: FY 2022 funding increased compared to FY 2021 by \$8.387 million. Funding increase is due to increased emphasis on Aerospace Systems Protection.</p>				
<p>Title: Aircrew Protection</p> <p>Description: Develop and demonstrate materials technologies that enhance protection for Department of the Air Force personnel to ensure safety and to enable crews to perform required missions in a threat environment.</p> <p>FY 2021 Plans: Continue to develop, validate, demonstrate, and transition laser protection materials and technologies for personnel protection. Continue to validate and develop light-weight helmet-mounted sensor hardening materials focusing on next-generation nighttime specialized sensors. Continue to advance transition efforts and development of visor based aircrew protection materials with agile protection. Continue to evaluate and assess new materials and advances in characterization and demonstration of eye protection technologies using computational materials science tools. Continue to transition, validate, mature, and test improvements to functionality and performance of personnel protection technologies in expected operational conditions. Continue development and testing of materials technologies to protect against nuclear flash blindness.</p> <p>FY 2022 Plans: Continue to develop, validate, demonstrate, and transition laser protection materials and technologies for personnel protection. Continue to validate and develop light-weight helmet-mounted sensor hardening materials focusing on next-generation nighttime specialized sensors. Continue to advance transition efforts and development of visor based aircrew protection materials with agile protection. Continue to evaluate and assess new materials and advances in characterization and demonstration of eye protection technologies using computational materials science tools. Continue to transition, validate, mature, and test improvements to functionality and performance of personnel protection technologies in expected operational conditions. Continue development and testing of materials technologies to protect against nuclear flash blindness.</p> <p>FY 2021 to FY 2022 Increase/Decrease Statement: FY 2022 increased compared to FY 2021 by \$6.059 million. Funding increased due to increased emphasis aircrew protection.</p>		8.412	0.000	6.059
Accomplishments/Planned Programs Subtotals		15.871	0.000	14.446

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	FY 2020	FY 2021
Congressional Add: Advanced ballistic eyewear	2.436	-
FY 2020 Accomplishments: Conducted Congressionally directed efforts.		
Congressional Adds Subtotals	2.436	-

C. Other Program Funding Summary (\$ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

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Appropriation/Budget Activity 3600 / 3					R-1 Program Element (Number/Name) PE 0603112F / <i>Advanced Materials for Weapon Systems</i>				Project (Number/Name) 633153 / <i>Non-Destructive Inspection Development</i>			
COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
633153: <i>Non-Destructive Inspection Development</i>	-	8.501	0.000	4.600	0.000	4.600	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project develops and demonstrates advanced nondestructive inspection and evaluation technologies to monitor performance integrity and to detect failure causing conditions in weapon systems components and materials. Nondestructive inspection and evaluation capabilities greatly influence and/or limit many design, manufacturing, and maintenance practices. This project provides technology to satisfy Department of the Air Force requirements to extend the lifetime of current systems through increased reliability and cost-effectiveness at field and depot maintenance levels. Equally important is assuring manufacturing quality, integrity, and safety requirements are built in.

This project includes the initiation and development of programs addressing DAF capability gaps and provides technologies for transformational future force capabilities. Transformational efforts will be identified through a competitive process and be responsive to DAF design priorities. Selected efforts will be designated as transformational, indicating enterprise-level priority.

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

	FY 2020	FY 2021	FY 2022
Title: Advanced Engine Inspection Technologies	1.638	0.000	0.000
Description: Develop and demonstrate advanced technologies to improve capabilities to inspect for cracks and other damage to extend the total safe life of turbine engines.			
FY 2021 Plans: Completed development of nondestructive inspection/evaluation tools including additive manufacturing processes, and the assessment of materials and damage state of critical turbine engine components for the purpose of extending their useful life without increasing the risk of in-flight fracture. Completed the validation process for model prediction, accuracy, and effectiveness of digital nondestructive inspection technologies and demonstrated tool automation for high confidence repeatable results, including advanced manufacturing processes.			
FY 2022 Plans: Technical work in this effort completed in FY 2021.			
FY 2021 to FY 2022 Increase/Decrease Statement: Not Applicable			
Title: Special Material Inspection Technologies	1.245	0.000	0.751

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Appropriation/Budget Activity 3600 / 3	R-1 Program Element (Number/Name) PE 0603112F / <i>Advanced Materials for Weapon Systems</i>	Project (Number/Name) 633153 / <i>Non-Destructive Inspection Development</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2020	FY 2021	FY 2022
<p>Description: Develop and demonstrate advanced inspection technologies supporting low-observable (LO) systems to enhance affordability and ensure full performance and survivability.</p> <p>FY 2021 Plans: Continue the transition process to depots and flight lines for improved methods to acquire and analyze data to facilitate improved characterization, registration, and tracking of degradation and damage of special materials that enables/ensures more affordable coatings assessment. Continue to validate tools to improve characterization and failure modes of specialty multilayer coatings. Continue to develop automation for robotic technologies for visual inspections that will realize human-assisted inspection capabilities and begin to provide capabilities for automated multi-spectral characterization.</p> <p>FY 2022 Plans: Continue the transition process to depots and flight lines for improved methods to acquire and analyze data to facilitate improved characterization, registration, and tracking of degradation and damage to special materials that enables/ensures more affordable coatings assessment. Continue to validate tools to improve characterization and failure modes of specialty multilayer coatings. Continue to develop automation for robotic technologies for visual inspections that will realize human-assisted inspection capabilities and begin to provide capabilities for automated multi-spectral characterization.</p> <p>FY 2021 to FY 2022 Increase/Decrease Statement: FY 2022 increased compared to FY 2021 by \$0.751 million. Funding increased due to increased emphasis special materials inspection technologies.</p>				
<p>Title: Advanced System Monitoring Technologies</p> <p>Description: Develop and demonstrate advanced systems status monitoring technologies to provide on-board and embedded sensing to gain continuous awareness of the state of key subsystems.</p> <p>FY 2021 Plans: Continue to demonstrate advanced analytical methods to more accurately assess the location, and register spatial location, of damage detected using nondestructive inspection data and results. Develop augmented reality technologies to improve the process of performing non-destructive evaluation tasks, acquiring and archiving data and reporting results, and enabling improved inspector guidance and visualization. Continue development and transition of novel approaches to collect, analyze, transport, archive, and use digital nondestructive inspection data and information. Continue enhanced methods for compiling, reporting, collecting and rapidly analyzing digital nondestructive testing and evaluation data necessary for improved damage detection and characterization. Demonstrate and transition technologies to locate damage to composite structures without coating removal and</p>		3.669	0.000	2.212

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2020	FY 2021	FY 2022
<p>to inspect composite structures with complex geometry. Continue the transition and integration of computational materials science tools with provide data necessary for life prediction methods to enable risk-based life management.</p> <p>FY 2022 Plans: Continue to demonstrate advanced analytical methods to more accurately assess the location, and register spatial location, of damage detected using nondestructive inspection data and results. Develop augmented reality technologies to improve the process of performing non-destructive evaluation tasks, acquiring and archiving data and reporting results, and enabling improved inspector guidance and visualization. Continue development and transition of novel approaches to collect, analyze, transport, archive, and use digital nondestructive inspection data and information. Continue enhanced methods for compiling, reporting, collecting and rapidly analyzing digital nondestructive testing and evaluation data necessary for improved damage detection and characterization. Demonstrate and transition technologies to locate damage to composite structures without coating removal and to inspect composite structures with complex geometry. Continue the transition and integration of computational materials science tools with provide data necessary for life prediction methods to enable risk-based life management.</p> <p>FY 2021 to FY 2022 Increase/Decrease Statement: FY 2022 increased compared to FY 2021 by 2.212 million. Increased funding due to increased emphasis on advances systems monitoring technologies.</p>				
<p>Title: Transformational Technology Development</p> <p>Description: Continually funded effort. This funding allocation is to provide funding to start new and continue Transformational Technology Developments. The Transformational Technology Development program will select new projects, in alignment with mission focused areas which include, but are not limited to: Intelligent Planning and Wargaming; Battlespace Awareness; Integrated Base Defense; and Hypersonic Multi-Mission Aircraft. Investments focus on technology development efforts including, but are not limited to: technologies for inspection and evaluation to detect failures and influence design, manufacturing, and maintenance. This investment is overseen by senior representatives from Air and Space Forces who participate in the submission, initial review, and down-selection of Transformational Technology Development proposed efforts. Final selections will be reviewed by the Air Force Deputy Assistant Secretary for Science, Technology, and Engineering before a final recommendation for Congressional approval is made.</p> <p>FY 2021 Plans: N/A. This effort is starting in FY 2022.</p> <p>FY 2022 Plans:</p>		0.000	0.000	1.637

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2020	FY 2021	FY 2022
Fund the follow-on efforts for Transformational Technology Development projects selected in prior FYs. Select Transformational Technology Development efforts starting in FY 22 that support the National Defense Strategy and Department of the Air Force priorities.			
<i>FY 2021 to FY 2022 Increase/Decrease Statement:</i> FY 2022 increased compared to FY 2021 by \$1.637 million. Funding is increased due to initiation of this effort to increased emphasis in Transformational Technology Development projects.			
Accomplishments/Planned Programs Subtotals	6.552	0.000	4.600

	FY 2020	FY 2021
<i>Congressional Add:</i> Artificial intelligence enhanced life cycle management	1.949	0.000
<i>FY 2020 Accomplishments:</i> Conducted Congressionally directed efforts.		
<i>FY 2021 Plans:</i> Not applicable		
Congressional Adds Subtotals	1.949	0.000

C. Other Program Funding Summary (\$ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

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COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
633946: <i>Materials Transition</i>	-	31.849	60.059	12.859	0.000	12.859	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

This project develops and demonstrates advanced materials and processing technologies for fielded and planned Department of the Air Force weapon, airframe, and propulsion applications. Advanced materials and processes that have matured beyond applied research are characterized, critical data are collected, and critical evaluations in the proposed operating environment are performed. This design and scale-up data improves the overall affordability of promising materials and processing technologies, providing needed initial incentives for their industrial development.

This project includes the initiation and development of programs addressing DAF capability gaps and provides technologies for transformational future force capabilities. Transformational efforts will be identified through a competitive process and be responsive to DAF design priorities. Selected efforts will be designated as transformational, indicating enterprise-level priority.

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

	FY 2020	FY 2021	FY 2022
Title: Air Vehicle Materials Technologies	7.599	19.283	10.999
Description: Develop and demonstrate materials and processes technologies for air vehicle and subsystems to enhance lift, propulsion, Low Observable (LO) performance, power generation management, survivability, and affordability of air vehicles.			
FY 2021 Plans: Continue development of technologies for organic engine lifing analysis for enhanced engine component risk management capability. Continue development and characterization for transitioning materials to protect infrared apertures on next generation hardened assets. Continue to validate and verify results of microstructure sensitive lifing methodologies that lower life cycle cost and advance performance characteristics of airframe and engine components in order to initiate development of next generation modeling tools that incorporate residual stress effects on component life. Initiate development and characterization of materials for application in nuclear systems and protected infra-red apertures for next-generation hardened assets.			
FY 2022 Plans: Continue development of technologies for organic engine lifing analysis for enhanced engine component risk management capability. Continue development and characterization for transitioning materials to protect infrared apertures on next generation hardened assets. Continue to validate and verify results of microstructure sensitive lifing methodologies that lower life cycle cost and advance performance characteristics of airframe and engine components in order to initiate development of next generation			

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Appropriation/Budget Activity 3600 / 3	R-1 Program Element (Number/Name) PE 0603112F / <i>Advanced Materials for Weapon Systems</i>	Project (Number/Name) 633946 / <i>Materials Transition</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2020	FY 2021	FY 2022
<p>modeling tools that incorporate residual stress effects on component life. Continue development and characterization of materials for application in nuclear systems and protected infra-red apertures for next-generation hardened assets.</p> <p>FY 2021 to FY 2022 Increase/Decrease Statement: FY 2022 decreased compared to FY 2021 by \$8.284 million. Funding decreased due to decreased emphasis on air vehicles materials technology.</p>				
<p>Title: High Temperature Material Technologies</p> <p>Description: Develop and demonstrate affordable, novel high temperature materials/structures and thermal management concepts to enable future defense capabilities for the Department of the Air Force global strike concepts.</p> <p>FY 2021 Plans: Completed transition of 2700-degree Fahrenheit ceramic matrix composites for turbine hot section components to industry. Completed development of high performance metals for next-generation turbine disk and low cost propulsion, aerospace and munitions components. Completed development and demonstrated advanced materials and process controls to enable complex structural components via additive manufacturing. Completed establishment of a metallic additive design center. Completed development of low cost metallic turbine engine disks made via powder processing technologies for use in high temperature, aggressive environments. Completed transition of computational and data analytics tools that enable production of affordable, complex shape metal components made via additive manufacturing. Completed work on multimaterial structures that optimally address operational temperature zones for hot structure and expendable thermal protection systems made out of advanced ceramics, ceramic matrix composites, hybrids, advanced and affordable metals, and intermetallics.</p> <p>FY 2022 Plans: Work in this effort completed in FY 2021.</p> <p>FY 2021 to FY 2022 Increase/Decrease Statement: FY 2022 funding decreased compared to FY 2021 by \$15.776 million. Funding decreased due to completion of effort in FY 2021.</p>		2.000	15.776	0.000
<p>Title: Pervasive and Affordable Metals Technologies</p> <p>Description: Develop and demonstrate affordable, novel high temperature powder processing materials/structures and additive metals technology concepts to enable future defense capabilities air vehicle propulsion and computational prediction models.</p> <p>FY 2021 Plans: In FY 2021, this effort moved to the Pervasive and Affordable Metals Technologies effort in PE 0602102F, Materials, Project 624347, Materials for Structures, Propulsion, and Subsystems.</p> <p>FY 2022 Plans:</p>		3.736	0.000	0.000

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2020	FY 2021	FY 2022
Not applicable			
<p>Title: Transformational Technology Development</p> <p>Description: Continually funded effort. This funding allocation is to provide funding to start new and continue Transformational Technology Developments. The Transformational Technology Development program will select new projects, in alignment with mission focused areas which include, but are not limited to: Intelligent Planning and Wargaming; Battlespace Awareness; Integrated Base Defense; and Hypersonic Multi-Mission Aircraft. Investments focus on technology development efforts including, but are not limited to: advanced materials and processing technologies for to influence design and scale-up activities. This investment is overseen by senior representatives from Air and Space Forces who participate in the submission, initial review, and down-selection of Transformational Technology Development proposed efforts. Final selections will be reviewed by the Air Force Deputy Assistant Secretary for Science, Technology, and Engineering before a final recommendation for Congressional approval is made.</p> <p>FY 2021 Plans: N/A. This effort is starting in FY 2022.</p> <p>FY 2022 Plans: Fund the follow-on efforts for Transformational Technology Development projects selected in prior FYs. Select Transformational Technology Development efforts starting in FY 22 that support the National Defense Strategy and Department of the Air Force priorities.</p> <p>FY 2021 to FY 2022 Increase/Decrease Statement: FY 2022 increased compared to FY 2021 by \$1.860 million. Funding is increased due to initiation of this effort to increased emphasis in Transformational Technology Development projects.</p>	-	0.000	1.860
Accomplishments/Planned Programs Subtotals	13.335	35.059	12.859

	FY 2020	FY 2021
<p>Congressional Add: Program increase - Metals Affordability Research</p> <p>FY 2020 Accomplishments: Conducted Congressional directed efforts.</p> <p>FY 2021 Plans: Conduct Congressional directed efforts.</p>	9.744	10.000
<p>Congressional Add: Program Increase - Composites technology</p>	8.770	6.000

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		FY 2020	FY 2021
FY 2020 Accomplishments: Conducted Congressionally directed efforts.			
FY 2021 Plans: Conduct Congressionally directed efforts.			
Congressional Add: Additive manufacturing for aerospace components		0.000	5.000
FY 2020 Accomplishments: Not applicable			
FY 2021 Plans: Conduct Congressionally directed efforts.			
Congressional Add: Advanced ballistic eyewear		0.000	4.000
FY 2020 Accomplishments: Not Applicable			
FY 2021 Plans: Conduct Congressionally directed efforts. These efforts will be executed in project 632100 of this program.			
Congressional Adds Subtotals		18.514	25.000
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
N/A			