

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Air Force **Date:** April 2022

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground/Surface Systems</i>
--	--

COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	-	14.126	24.568	26.901	0.000	26.901	27.452	27.965	28.554	29.189	Continuing	Continuing
674826: <i>Common Imagery Ground / Surface Systems</i>	-	14.126	24.568	26.901	0.000	26.901	27.452	27.965	28.554	29.189	Continuing	Continuing

A. Mission Description and Budget Item Justification

Air Force Distributed Common Ground System (AF DCGS) is the Combat Air Force (CAF) weapon system for planning, direction, collection, processing, exploitation, production, dissemination, and problem centric, sensor-agnostic analysis of data. AF DCGS weapon system provides capabilities required to connect, direct and exploit sensors and transform multi-source/multi-domain data into actionable intelligence to find, fix, and target adversary forces and shorten the kill chain. AF DCGS is also a major component of the DoD DCGS, the system is designed to complement and interoperate with the DoD, Army, Navy and Marine Corps DCGS, and a key provider/consumer of the sensing grid and Joint All Domain C2 (JADC2) & Advanced Battle Management System (ABMS) Efforts. The AF DCGS mission is to provide Joint Task Force (JTF) Commanders, Air Component Commanders, Unified Commands, and other directed organizations with global, time-sensitive ISR across the spectrum of military operations.

AF DCGS is a multi-INT, federated weapon system (AN/GSQ-272) capable of exploiting intelligence data from manned platforms, remotely piloted aircraft (RPA), non-traditional ISR platforms, national and commercial satellites and other collection systems. AF DCGS serves as the main "Sense-Making" organization within the Air Force ISR Sensing Grid and has access to a multitude of sensors and data across the Intelligence Community, to include publicly available information (PAI). AF DCGS Analysts leverage Artificial Intelligence (AI)/Machine Learning (ML), Automation, Augmentation (AAA) technologies to focus their search for multi-source/multi-domain intelligence across the tactical/national sensor grid and within federated databases to enable target and problem centric, sensor-agnostic analysis and exploitation to address Joint operational requirements by providing a common means to provide intelligence to field commanders and in support of the Air Operations Center (AOC) mission requirements and supports the "kill chain across the full range of military operations". The DCGS analysts use all available data source and emerging capabilities, including AAA to enhance their understanding of intelligence/targeting problem sets and provide the required intelligence.

Currently, AF DCGS is composed of eight core sites (two active duty worldwide, three active duty regional and three Air National Guard regional), three remote Air Force Forces (AF FOR) sites, six SIGINT Distributed Mission Sites (four collocated with National Mission Partner), three Air National Guard full-motion video sites, three support sites, one training site, and three integration and test sites. AF DCGS currently supports ongoing operations from forward deployed and in-garrison CONUS and OCONUS-based locations. AF DCGS provides integrated ISR by providing quality, fused Geospatial Intelligence (GEOINT), Signals Intelligence (SIGINT), and Measurement and Signature Intelligence (MASINT) tailored to the warfighter for all levels of conflict.

In alignment with DoD and AF direction, AF DCGS is migrating to an open architecture to rapidly incorporate new technologies and tools to easily integrate new and/or improved sensor capabilities, as well as improved mission applications to meet emerging and urgent operational needs. AF DCGS is also aligned with USD(I)'s efforts to improve data sharing through its Common Data Fabric. AF DCGS integrates services and applications from both commercial-off-the-shelf and government-off-the-shelf sources to the maximum extent possible to fulfill operational requirements and data sharing requirements across the DoD DCGS community. AF DCGS consists of a hybrid cloud (mix of private on-premise and public commercial cloud) architecture.

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Air Force		Date: April 2022
Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground/Surface Systems</i>	
<p>Program management consists of four ACAT III efforts: GEOINT Transformation, SIGINT Transformation, Multi-INT Infrastructure, and Network Infrastructure Transformation.</p> <ol style="list-style-type: none">1. GEOINT Transformation: Rapidly integrates new and updated GEOINT capabilities (Commercial Off-The-Shelf (COTS)/Government Off-The-Shelf(GOTS)/Custom software), enables quick/seamless integration of new sensors, data types, sensor planning, and command and control (C2) capabilities into the open architecture framework. Leverages mission partner methods and tools to the maximum extent possible.2. SIGINT Transformation: Rapidly integrates new and updated SIGINT capabilities (COTS/GOTS/Custom s/w), enables quick/seamless integration of new sensors, data types, sensor planning, command and control (C2) capabilities into the open architecture framework. Leverages mission partner methods and tools to the maximum extent possible.3. Multi-INT Transformation: Rapidly integrates new and updated enterprise applications (COTS/GOTS/Custom s/w), to include voice and chat communications, collaboration and situational awareness, multi-INT fusion, and data analytics capabilities (to include Artificial Intelligence/Machine Learning AI/ML, Automation, and Augmentation (AAA)). Also includes Intelligent Modeling and Predictive Analysis of Cyberspace Targeting (IMPACT) program, which develops concepts, Tactics/Techniques/Procedures (TTPs) and technologies for synchronizing ISR and non-kinetic capabilities. Rapidly integrates new and updated data exchange and interoperability capabilities in support of USD(I)'s Common Data Fabric (CDF) Initiative. Addresses program office test and evaluation activities4. Network Infrastructure Transformation: Continue to update the AF DCGS infrastructure to a cyber-resilient, open, scalable, commercial-based, architecture, improving data ingest, transfer, and storage capabilities, collaboration, and content driven discovery. AF DCGS operates in a hybrid cloud environment, consisting of on Open Architecture (OA) DCGS Platform as a Service, on-premise/private cloud portion and Virtual ISR Integration Enclave (VI2E) unclassified, Secret and Top Secret environment as the commercial/public cloud portion. Network infrastructure transformation also handles integration of additional line of site capabilities. <p>This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, and 0606398F. In FY21, \$0.000M was expended for civilian pay expenses in this program element, and in FY22, \$0.800M is forecasted for civilian pay expenses in this program element.</p> <p>This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.</p>		

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Air Force	Date: April 2022
--	-------------------------

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground/Surface Systems</i>
--	--

B. Program Change Summary (\$ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	14.126	24.568	0.000	0.000	0.000
Current President's Budget	14.126	24.568	26.901	0.000	26.901
Total Adjustments	0.000	0.000	26.901	0.000	26.901
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	26.901	0.000	26.901

Change Summary Explanation

The FY 2022 President's Budget submittal did not reflect FY 2023 through FY 2026 funding. Therefore, an explanation of the change between the two budget positions for FY2023 cannot be made in a relevant manner.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2023 Air Force										Date: April 2022		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground/Surface Systems</i>				Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>			
COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
674826: <i>Common Imagery Ground / Surface Systems</i>	-	14.126	24.568	26.901	0.000	26.901	27.452	27.965	28.554	29.189	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Program management consists of four ACAT III efforts: GEOINT Transformation, SIGINT Transformation, Multi-INT Infrastructure, and Network Infrastructure Transformation.

1. GEOINT Transformation: Rapidly integrates new and updated GEOINT capabilities (GOTS/COTS and custom software), enables quick/seamless integration of new sensors, data types, sensor planning, and command and control (C2) capabilities into the open architecture framework. Leverages mission partner methods and tools to the maximum extent possible.
2. SIGINT Transformation: Rapidly integrates new and updated SIGINT capabilities (COTS/GOTS/Custom s/w), enables quick/seamless integration of new sensors, data types, sensor planning, command and control (C2) capabilities into the open architecture framework. Leverages mission partner methods and tools to the maximum extent possible.
3. Multi-INT Transformation: Rapidly integrates new and updated enterprise applications (COTS/GOTS/Custom s/w), to include voice and chat communications, collaboration and situational awareness, multi-INT fusion, and data analytics capabilities (to include Artificial Intelligence/Machine Learning AI/ML, Automation, and Augmentation (AAA)). Also includes Intelligent Modeling and Predictive Analysis of Cyberspace Targeting (IMPACT) program, which develops concepts, Tactics/Techniques/Procedures (TTPs) and technologies for synchronizing ISR and non-kinetic capabilities. Rapidly integrates new and updated data exchange and interoperability capabilities in support of USD(I)'s Common Data Fabric (CDF) Initiative. Addresses program office test and evaluation activities
4. Network Infrastructure Transformation: Continue to update the AF DCGS infrastructure to a cyber-resilient, open, scalable, commercial-based, architecture, improving data ingest, transfer, and storage capabilities, collaboration, and content driven discovery. AF DCGS operates in a hybrid cloud environment, consisting of on Open Architecture (OA) DCGS Platform as a Service, on-premise/private cloud portion and Virtual ISR Integrations Enclave (VI2E) unclassified, Secret and Top Secret environment as the commercial/public cloud portion. Network infrastructure transformation also handles integration of additional line of site capabilities.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver AF DCGS weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, and 0606398F. In FY21, \$0.000M was expended for civilian pay expenses in this program element, and in FY22, \$0.800M is forecasted for civilian pay expenses in this program element.

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2023 Air Force	Date: April 2022
---	-------------------------

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground/Surface Systems</i>	Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>
--	--	---

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

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

	FY 2021	FY 2022	FY 2023
<p>Title: GEOINT Transformation</p> <p>Description: The GEOINT Transformation effort rapidly integrates new and updated GEOINT capabilities (COTS/GOTS/Custom s/w), enables quick/seamless integration of new sensors, data types, sensor planning, and command and control (C2) capabilities and migrates GEOINT-specific applications into the open architecture framework. Leverages mission partner methods and tools to the maximum extent possible.</p> <p>FY 2022 Plans:</p> <ul style="list-style-type: none"> • Continue High Altitude (HA) and Full Motion Video (FMV) Agile Release Trains to rapidly develop, integrate and test new and updated GEOINT-specific capabilities on DCGS hybrid cloud environment. <p>FY 2023 Plans:</p> <ul style="list-style-type: none"> • Will continue High Altitude (HA) and Full Motion Video (FMV) Agile Release Trains to rapidly develop, integrate and test new GEOINT-specific capabilities on DCGS hybrid cloud environment. <p>FY 2022 to FY 2023 Increase/Decrease Statement: Funding increased due to additional development of High Altitude GEOINT operator exploitation and HA FMV capabilities in the HA GEOINT Agile Release Train.</p>	0.500	2.000	5.484
<p>Title: SIGINT Transformation</p> <p>Description: The SIGINT Transformation effort rapidly integrates new SIGINT capabilities (COTS/GOTS/Custom s/w), enables quick/seamless integration of new sensors, data types, sensor planning, command and control (C2) capabilities and migrates SIGINT-specific applications into the open architecture framework. Leverages mission partner methods and tools to the maximum extent possible.</p> <p>FY 2022 Plans:</p> <ul style="list-style-type: none"> • Continue SIGINT Modernization Agile Release Train to rapidly develop and integrate new and updated SIGINT-specific capabilities into DCGS hybrid cloud environment. <p>FY 2023 Plans:</p> <ul style="list-style-type: none"> • Will continue SIGINT Modernization Agile Release Train to rapidly develop and integrate new SIGINT-specific capabilities into DCGS hybrid cloud environment. <p>FY 2022 to FY 2023 Increase/Decrease Statement:</p>	3.153	6.230	7.058

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2023 Air Force		Date: April 2022		
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground/Surface Systems</i>	Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2021	FY 2022	FY 2023
Funding increased due to new development of SIGINT capabilities in the SIGINT Modernization Agile Release Train.				
<p>Title: Multi-INT Transformation</p> <p>Description: The Multi-INT-1 effort rapidly integrates new and updated enterprise applications (COTS/GOTS/Custom s/w), to include voice and chat communications, collaboration and situational awareness, multi-INT fusion, and data analytics capabilities (to include AI/ML, Automation, and Augmentation (AAA)). Also includes Intelligent Modeling and Predictive Analysis of Cyberspace Targeting (IMPACT) program, which develops concepts, Tactics/Techniques/Procedures (TTPs) and technologies for synchronizing ISR and non-kinetic capabilities. Addressees program office test and evaluation activities</p> <p>FY 2022 Plans:</p> <ul style="list-style-type: none"> • Continue to rapidly develop and integrate new and update Multi-INT and data analytics capabilities into DCGS hybrid cloud environment • Continue agile development and fielding of IMPACT program capabilities • Continue development of the Enterprise Collaboration Capability (Voice portion) • Continue program office test and evaluation activities <p>FY 2023 Plans:</p> <ul style="list-style-type: none"> • Will continue to rapidly develop and integrate new Multi-INT and data analytics capabilities into DCGS hybrid cloud environment • Will continue agile development and field IMPACT program capabilities • Will continue to rapidly develop and field ECC (Voice Portion) • Will continue program office test and evaluation activities <p>FY 2022 to FY 2023 Increase/Decrease Statement: Funding decreased due to reduction in funding needed for Cross Domain Chat.</p>		9.973	14.338	12.032
<p>Title: Network Infrastructure Transformation</p> <p>Description: The Network Infrastructure Transformation effort continues to modernize the AF DCGS infrastructure to a cyber-resilient, open, scalable, commercial-based, architecture, improving data ingest, transfer, and storage capabilities, collaboration, and content driven discovery. AF DCGS operates in hybrid cloud environment, consisting on OA DCGS Platform as a Service, on premise/private cloud portion and Vi2E unclassified, Secret and Top Secret environment as the commercial/public cloud portion. Network infrastructure transformation also handles integration of additional line of site capabilities.</p> <p>FY 2022 Plans:</p> <ul style="list-style-type: none"> • Continue to develop and integrate open architecture, mission-assured hybrid-cloud infrastructure and enterprise services. <p>FY 2023 Plans:</p>		0.500	2.000	2.327

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2023 Air Force	Date: April 2022
---	-------------------------

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground / Surface Systems</i>	Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>
--	--	---

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2021	FY 2022	FY 2023
• Will continue to develop and integrate open architecture, mission-assured hybrid-cloud infrastructure and enterprise services.			
<i>FY 2022 to FY 2023 Increase/Decrease Statement:</i> Funding increased due to additional development of Hybrid Cloud infrastructure and enterprise services.			
Accomplishments/Planned Programs Subtotals	14.126	24.568	26.901

C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2021	FY 2022	FY 2023	FY 2023	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
• OPAF 04 Line Item, 846080: <i>DCGS-AF</i>	117.940	136.296	137.971	-	137.971	133.545	34.336	74.637	143.680	Continuing	Continuing

Remarks

D. Acquisition Strategy
 AF DCGS acquisition strategy is to use approved lean and agile industry practices and leverage to the maximum extent possible commercial off the shelf, government off the shelf, and mission partner capabilities to continuously develop and field new and improved operational capabilities hosted on its open, hybrid cloud environment to meet mission requirements. Contracting strategy involves a combination of Basic Ordering Agreements (BOAs), Indefinite Delivery/Indefinite Quantity (IDIQ) contracts awarded to execute program funds and delivery/task orders are negotiated/awarded individually.

The program is managed as four ACAT III efforts: GEOINT Transformation, SIGINT Transformation, Multi-INT-1, and Network Infrastructure Transformation.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2023 Air Force **Date:** April 2022

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground/Surface Systems</i>	Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>
--	--	---

Product Development (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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			
GEOINT Transformation	Various	Various : Various	-	0.500	May 2021	2.000	Feb 2022	5.184	Feb 2023	-		5.184	Continuing	Continuing	-
SIGINT Transformation	Various	Various : Various	-	2.038	Dec 2020	4.880	Dec 2021	6.658	Dec 2022	-		6.658	Continuing	Continuing	-
Multi-INT Transformation	Various	Various : Various	-	5.720	Dec 2020	8.983	Jan 2022	9.107	Jan 2023	-		9.107	Continuing	Continuing	-
Network Infrastructure Transformation	Various	Various : Various	-	0.500	Jun 2021	2.000	Jan 2022	2.327	Jan 2023	-		2.327	Continuing	Continuing	-
Subtotal			-	8.758		17.863		23.276		-		23.276	Continuing	Continuing	N/A

Remarks
 Note on "various" entries - Contract Method, Contract Type, Performing Activity, Target Value of Contract are entered as "various" because there are multiple projects within each upgrade and depending on the type of effort to be completed determines the contract vehicle to use. There is no way on this document to delineate the contracts that support each upgrade as they are numerous.

Support (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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			
Multi-INT Transformation	Various	Various : Various	-	1.318	Jan 2021	1.405	Jan 2022	2.125	Jan 2023	-		2.125	Continuing	Continuing	-
DCA Positions	Various	Various : Various	-	-		0.800	May 2022	0.800	Mar 2023	-		0.800	Continuing	Continuing	-
Subtotal			-	1.318		2.205		2.925		-		2.925	Continuing	Continuing	N/A

Management Services (\$ in Millions)				FY 2021		FY 2022		FY 2023 Base		FY 2023 OCO		FY 2023 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			
PMA	Various	Various : Various	-	4.050	Dec 2020	4.500	Dec 2021	0.700	Dec 2022	-		0.700	Continuing	Continuing	-
Subtotal			-	4.050		4.500		0.700		-		0.700	Continuing	Continuing	N/A

Remarks
 Note on "various" entries - Contract Method, Contract Type, Performing Activity, Target Value of Contract are entered as "various" because there are multiple projects within in each upgrade and depending on the type of effort to be completed determines the contract vehicle to use. There is no way on this document to delineate the contracts that support each upgrade as they are numerous.

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2023 Air Force		Date: April 2022
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground / Surface Systems</i>	Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>

FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027			
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

<i>AF Distributed Common Ground System</i>	
GEOINT Transformation HA and FMV Agile Release Trains (ART)	
SIGINT Transformation ART	
Multi-INT Transformation ART	
Multi-INT Transformation: Enterprise Voice Communication Capability (ECC)	
Multi-INT Transformation: Intelligent Modeling and Predictive Analysis of Cyberspace Targeting (IMPACT)	
Network Infrastructure Transformation: OA Hybrid Cloud Services	

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2023 Air Force		Date: April 2022
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0305208F / <i>Distributed Common Ground/Surface Systems</i>	Project (Number/Name) 674826 / <i>Common Imagery Ground / Surface Systems</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>AF Distributed Common Ground System</i>				
GEOINT Transformation HA and FMV Agile Release Trains (ART)	1	2021	4	2027
SIGINT Transformation ART	1	2021	4	2027
Multi-INT Transformation ART	1	2021	4	2027
Multi-INT Transformation: Enterprise Voice Communication Capability (ECC)	1	2021	4	2023
Multi-INT Transformation: Intelligent Modeling and Predictive Analysis of Cyberspace Targeting (IMPACT)	2	2021	4	2027
Network Infrastructure Transformation: OA Hybrid Cloud Services	1	2021	4	2027