Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Technical Information Center	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0605801KA / *Defense Technical Information Center*

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	380.143	58.810	61.453	63.184	-	63.184	64.845	65.383	65.731	66.162	Continuing	Continuing
001: *Defense Technical Information Center*	340.740	53.794	56.437	58.168	-	58.168	59.829	60.367	60.715	61.146	Continuing	Continuing
002: *Information Analysis Centers*	39.403	5.016	5.016	5.016	-	5.016	5.016	5.016	5.016	5.016	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Defense Technical Information Center's (DTIC) unique mission is to accelerate delivery of capabilities to our warfighters to ensure superiority on today's battlefields and for the conflicts of tomorrow; provide a robust Science and Technology (S&T) knowledge base to enable research and engineering and connect communities. The DoD's investment in S&T is the basis of future warfighter capability. By capturing the results of today's research and providing outlets for wide dissemination, DTIC increases the return on S&T investment. As the premier knowledge resource for defense research, DTIC works across the Services and agencies to provide insight and awareness to all users:
- Visibility across Service and agency research activity for all users.
- Avoids the cost of redundant and potentially siloed Service systems.
- Drives research-focused, cross-component collaboration.
- Comprehensive knowledge base enhances the promise of artificial intelligence (AI) and machine learning (ML).

In concert with congressional interest, DTIC is strongly committed to modernizing systems, transforming distribution, enhancing the collection, strengthening analytical capabilities on S&T content, and supporting the management of research data sets. Ongoing modernization activities embrace data-driven concepts and leverage commercial innovations.
- Recognize opportunities provided by on-demand compute resources in the cloud to perform preprocessing and analysis of DoD research.
- Redefine DTIC architecture as we move to the cloud to increase capacity and access to advanced technologies.
- Buy, not develop, capability to speed tool delivery.

Additional details regarding DTIC modernization efforts are outlined in a subsequent section.

DTIC delivers a knowledge base of more than 4.7 Million information records to increase collaboration and cooperation within the DoD, with our industry partners, academia, inter-agency working groups, and citizen scientists. For over 75 years, DTIC has been providing research results, lessons learned, where work is being performed and progress made. DTIC, a DoD Field Activity under the authority, direction and control of the Under Secretary of Defense for Research and Engineering (USD(R&E)), is the DoD's executive agent and sole central source for DoD-funded scientific, technical, engineering, and industry-related information. DTIC develops and delivers information and services to share knowledge and enhance decision making.

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Technical Information Center	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0605801KA / *Defense Technical Information Center*

This Program Element (PE) provides for DTIC mission operations, which are focused on three core activities: Content Management, User Services, and Information Analysis Centers (IACs):

a) Content Management includes the S&T repository of 4.7 Million DoD and Service records (reports and research data). DTIC acquires and prepares 80 Thousand records a year, aligned to priority areas, COIs, and technology areas to aid discovery. DTIC captures the results of DoD's multi-billion annual investment as a foundation for future activity, enabling the community to build upon past work to avoid costly and time-delaying rework. Ongoing efforts focus on consolidating input systems and migrating users to electronic submission to improve quality of material and realign resources from manual processing to end user tools.
b) User Services offers search interfaces on NIPRNet (CUI), SIPRNet (classified), and Internet (public), providing for situational awareness of on-going research activity across the Department. Ongoing efforts focus on enhancing analysis tools to increase understanding of the S&T landscape; incorporating leading commercial analytic and search technologies to improve search results; and providing users key information to provide a complete picture of activity and progress. By employing tools now accessible in the cloud, DTIC looks to move the burden and time consumption for initial analysis from the user by pre-processing and presenting information products that inform and answer questions using data drawn from multiple collections. Improve user self-service functions to refocus resources on information analysis and interrogation capabilities.
c) DTIC's Information Analysis Centers (IACs) drive innovation and technological development by anticipating and responding to the information needs of the defense and broader community. The IAC Program Management Office (IAC PMO) provides core funding, management, and oversight of three IACs, which are chartered by DoD to collect, research, analyze, and disseminate S&T information in specialized fields to DoD researchers and acquisition professionals. In addition, the IAC PMO manages large, $28 billion multiple award contract to make possible new research that builds on prior investments and incorporates the innovations of government, industry, and academia. For the last several years, competition inherent in the IAC model has produced savings of 10-16% under projected costs, while still delivering vetted technical expertise to address DoD's complex challenges. Providing DoD labs and program managers' access to thousands of industry subject matter experts, the IACs performed over $2 Billion of customer-funded research and analysis in FY 2021. The results of the work are a rich source of new material for DTIC's technical repositories and are available to users across the Department. The IAC approach was identified as a "best practice" by the Director of Defense Pricing and Contracting and the then- Acting Assistant Secretary of Defense for Research and Engineering in a July 2018 memo wherein they recommended use of the IAC contracts across DoD as "vehicles of first choice."

DTIC MODERNIZATION

DTIC's modernization efforts will establish DTIC as the go-to source of S&T knowledge and analysis – increasing the nation's return on S&T investment and accelerating the maturity of capability to the warfighter. DTIC's modernization focus areas include the following:

- Readiness and Availability: The DTIC approach will take full advantage of cloud integration. The high availability of cloud will enable users to depend on DTIC for information, analysis, and collaboration. The cloud offers a flexible hosting environment and ensures DTIC will have the capability to support the emerging needs of the S&T community including access to compute and storage for artificial intelligence (AI) and machine learning (ML).

- Submissions: A broad community of researchers (civilians, military, industry, academia) and technology consumers (PEOs, CCMDs) look to DTIC for cross-organization access to information only available in DTIC's collection. DTIC is working to integrate Service pipelines more fully with DTIC submission system, complete

batch upload, establish application interfaces, and system-to-system submissions. Enhancing the submission system, simplifying submission, and automation of the process will yield a more complete picture (quality and quantity) of the state of knowledge and activity feeding DTIC search, providing improved situational awareness, increased understanding, and better decisions.

- Search and Analysis: Adopting AI/ML-ready commercial search engine gives DTIC users access to a leading commercial engine and user interface features that will be continuously enhanced. When implemented, analysis and visualizations will be a key method of conveying information. Return-on-Investment for S&T will increase as users will spend less time looking for information and more time benefiting from information at DTIC (less rework, optimized efforts, enhanced analysis, and building community), improving coordination of research efforts. Analysis and data mining of DoD collections will uncover new relationships, trends, and opportunities.

- Data Sets: This represents a long-term endeavor, greatly aided by cooperative engagement with the services and coordination within R&E. DTIC is coordinating its approach with the Department's Chief Data Officer (CDO) and is working with the DoD S&T community to populate research data sets directory. DTIC is an active member of the Research Data Working Group; the Services are engaged in governance and strategy for metadata sharing, application programming interfaces (APIs), and code/tools to use. Increased awareness of existing DoD S&T data sets across the community, revalidating results, and confidence sharing data sets and associated code/tools cross Service/agency will provide a baseline to validate utility of data set preservation.

OTHER MISSION PRIORITIES

Other priority and complementary DTIC mission activities are described below:
- Bring communities together supporting collaboration between researchers, warfighters, industry, academia, Federal agencies, and allies.
- Ensure information is protected: easily available to trusted users and blocked from unauthorized access.
- Develop and manage DoD's Science Technology Information Policy (STIP).
- Maintain compliance with existing public law, regulations, and guidelines.
- Continue progress on Congressionally mandated programs, as directed within the FY 2019 National Defense Authorization Act (NDAA), to include:

-- Innovators Information Repository (IIR): Increase awareness of Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) and other small business innovative technology capabilities and improve transition to systems of record. Add resources to the IIR; provide Program Executive Offices (PEOs) and Program Managers (PMs) increased visibility on innovation.

-- Global Research Watch (GRW) Program: In partnership with the Strategic Intelligence & Analysis Cell (SIAC), DTIC provides infrastructure for SIAC's decision-quality analysis of open-source information on international research programs and capabilities. Building on prior results, DTIC will tailor the hosting environment based on SIAC feedback and evaluation of accuracy and utility of analysis. SIAC led the effort to establish analytical and global horizon scanning tools necessary to support GRW with DTIC hosting applications and data.

-- Data Sets and Data Repositories: Data set reuse reduces time to delivery, cost, and environmental impact. DTIC is actively working to position data sets as a resource for accelerating research. DTIC's PubDefense provides links to DoD funded data sets produced in extramural research linked to published journal articles.

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Technical Information Center	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide* / BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0605801KA / *Defense Technical Information Center*

DTIC is leading the DDR&E(R&T) chartered cross-Service Research Data Working Group to coordinate activities. Management of research data sets opens the opportunity to gain more value from investments in data sets and reduction of time to delivery of new capability.

In support of these mission operations, DTIC leases space and critical shared services (e.g., human resources (HR); financial management and accounting; contracting; cloud hosting; common-use IT services and security; communications; and civilian payroll services) from expert and efficient DoD and commercial service-providers.

SUMMARY

- DTIC actively supports the Secretary's priorities – defending the Nation, taking care of our people, and succeeding through teamwork.

- DTIC plans reflect a strong commitment to address congressional, DoD, and R&E priorities.

- Building on progress, DTIC's focus remains on growing the knowledge base, facilitating sharing, maintaining open repositories, and developing data analytics to advance discovery and understanding.

- To provide decision makers and Warfighters insight into the S&T research terrain, DTIC is adopting transformational technologies to enhance collection, distribution, analysis, and research data sets.

- DTIC data-related efforts and activities are in alignment with the Department's Chief Data Officer (CDO) strategy and research information standards.

B. Program Change Summary ($ in Millions)	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total
Previous President's Budget	58.810	61.453	0.000	-	0.000
Current President's Budget	58.810	61.453	63.184	-	63.184
Total Adjustments	0.000	0.000	63.184	-	63.184
• Congressional General Reductions	0.000	-			
• Congressional Directed Reductions	0.000	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Year	-	-	63.184	-	63.184

Change Summary Explanation

Program Change: Program Change: FY 2023 funding increase reflects the fact that the FY 2022 President's Budget request did not include out-year funding.

Exhibit R-2, RDT&E Budget Item Justification: PB 2023 Defense Technical Information Center	Date: April 2022
Appropriation/Budget Activity 0400: *Research, Development, Test & Evaluation, Defense-Wide I* BA 6: *RDT&E Management Support*	**R-1 Program Element (Number/Name)** PE 0605801KA *I Defense Technical Information Center*

FY 2023 Service Requirements Review Board (SRRB) Reduction: The FY 2023 Base program includes a $0.740 Million reduction in accordance with the Department's service contract downsizing effort.

The FY 2023 Base program also includes a $0.028 Million reduction attributable to Fourth Estate Information Technology (4E IT) Reform savings.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Technical Information Center			Date: April 2022
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605801KA / *Defense Technical Information Center*	Project (Number/Name) 001 / *Defense Technical Information Center*	

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
001: *Defense Technical Information Center*	340.740	53.794	56.437	58.168	-	58.168	59.829	60.367	60.715	61.146	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

DTIC is responsible for developing, coordinating, and enabling a strong scientific and technical information (STINFO) program for the Office of the Under Secretary of Defense for Research and Engineering (OUSD(R&E)) and the DOD scientific and technical (S&T) enterprise. In this role, DTIC sets policy for scientific and technical information (STI) exchanges for the research and engineering (R&E) community. DTIC's challenge is to maximize the availability and use of technical information and products resulting from Defense-funded technical activities while safeguarding national security, export control, and intellectual property rights. The Department conducts science and technology research via the following means: 60+ labs, Federally Funded Research and Development Centers (FFRDCs), DTIC's Information Analysis Centers (IACs), and other contracts and grants. DTIC's search and collaboration applications foster innovation, competition, and identification of solutions in an access-controlled environment.

Within this budget project, DTIC's organizational efforts are focused on the continued modernization of Content Management and User Services core mission areas, along with the following critical activities:
- Search: Apply artificial intelligence (AI)/machine learning (ML) technologies to produce information products and develop tailored search mechanisms that enable users to quickly discover useful information and ensure DTIC presents the most relevant information. Semantic (machine learning) mapping of information facilitates comprehensive and precise data retrieval, built on DTIC's custom thesaurus (for use by DOD and allied partners).
- Collaboration: Continue efforts to facilitate communication and coordination between S&T and the warfighting community. Consolidate collaboration tools focusing on DoDTechipedia wiki, open to all DoD users.
- Access Identity Management: Develop custom information resources based on analysis of user activity, evaluate products and services to ensure performance goals are met. Model activity to identify anomalies that might indicate cyber issues.
- Metrics: Enhance metrics capabilities to establish baseline performance; provide indicators to guide tool development and improve performance; and measure future success.
- Data Fusion/Analysis: DTIC applications permit the gathering of information from multiple data sources that fuse the disparate datasets into a single view of the life cycle of research and present an overarching picture of research investment--enabling decision-makers to employ resources to highest priority efforts and coordinate efforts across Services. DTIC is developing and staffing an Analysis Cell to help understand data mapping and identify trends. Gap analysis will identify missing data, and facilitate the capture missing artifacts to present a more complete picture.
- Preservation: DTIC holds the institutional memory of the Department's S&T activities, preserving a vital collection going back 75 years. DTIC acquires and prepares 80K records a year, aligned to priority areas, Communities of Interest (CoIs), and technology areas to aid timely discovery.
- Submission: Enhancing the submission system, simplifying submission, and automation of the process will yield a more complete picture (quality and quantity) of the state of knowledge and activity feeding DTIC search, providing improved situational awareness, increased understanding, and better decision-making.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Technical Information Center		Date: April 2022
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- Cyber Security: DTIC continues to leverage state-of-the art technologies, processes and practices designed to protect DTIC networks, computers, programs and data from attack, damage, or unauthorized access.
- FY 2019 NDAA Section 202 and Section 905 mission activities:

-- Innovators Information Repository (IIR). DTIC launched IIR in 2019 in coordination with the Small Business Growth Alliance and the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) program office. DTIC is working to link SBIR awards to broader SBIR information at DTIC through integration with Horizons, an S&T activity reference tool. DTIC is partnering with the SBIR/STTR Office to identify impediments to tech transfer and works to increase the flow of information available to the acquisition community.

-- Global Research Watch (GRW) program. DTIC and the Strategic Intelligence and Analysis Cell (SIAC) are collaborating with the Basic Research Office (BRO) to leverage Dimensions.ai, a commercial tool, and continue to explore a single portal to address 10 U.S. Code § 2365. In addition, DTIC is building a data analytics cell that is engaging with the Services to explore complementary capabilities to integrate and/or federate with DTIC tools.

-- Data Sets. DTIC continues to execute dataset management. With respect to datasets and data repositories created during research, DTIC is building out a searchable dataset directory to direct users to organizations holding relevant datasets. DTIC is linking datasets to completed and in-progress research, and is actively engaging with the Department's Chief Data Officer (CDO) to make DoD's research and engineering data available and reusable.

SUPPORTING USER COMMUNITIES

DTIC supports user communities on the network where they work, i.e., NIPRNet, SIPRNet, and the public internet, and uniquely provides access controls within unclassified and classified material to protect intellectual property in our search, distribution, and collaboration tools.

- DoD's RDT&E Enterprise: As a Field Activity to the Office of the Under Secretary of Defense for Research and Engineering (OUSD(R&E)), DTIC's priority is the RDT&E enterprise, hosting information assets and tools on the NIPRNet, the primary network for the community.

- Warfighter: Improving coordination between the acquisition enterprise and warfighter communities, DTIC hosts information assets and tools on the SIPRNet. DTIC is actively working to expand the availability of science and technology (S&T) information, to include Independent Research and Development (IR&D), on the SIPRNet. DTIC continues its efforts to establish parity of information and capabilities on applications hosted on both NIPRNet and SIPRNet platforms.

- Industry, Academia, and Citizen Science via Public Internet: Engaging industry outside the NIPRNet firewall to support acquisition improvement initiatives and encourage the introduction of innovation, DTIC hosts unclassified public information and tools accessible to all users on the Internet. DTIC provides public access to DoD-funded journal articles and research data and increases outreach to industry through DTIC's Defense Innovation Marketplace.

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Technical Information Center		Date: April 2022
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- Submitters Community: The DTIC Submitters Community cuts across all networks (NIPRNet, SIPRNet, and public). DTIC is supporting this vital community through the consolidation and streamlining of user submission systems and tools. Improving input systems offers submitters a user-friendly means of making inputs to the DTIC collection.

SUMMARY

DTIC is focused on the future, building new capabilities to mine the rich material produced from DoDs research community, and provide actionable products requiring minimal user time and expertise. DTIC works to ensure the results of DoD's investments in S&T research are available to inform the next generation of scientists, researchers, and engineers, empowering them to build on past accomplishments/what works and to avoid proven dead ends. In doing so the pace of innovation accelerates, the quality of science improves, and capability delivery to the warfighter is more rapid. DTIC provides the decision makers and technology consumers in the acquisition and warfighting communities' insight on S&T activity, what is being worked on, how many projects, where work is being performed, maturity of projects, and who to contact. DTIC is uniquely positioned to support and to ensure the value of DoD's R&D portfolio is fully realized.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Defense Technical Information Center	53.794	56.437	58.168
FY 2022 Plans: - Explore delivery of a single collaboration and knowledge management platform for DTIC customers. -- Facilitate communication and coordination between S&T and the warfighting community through consolidated platform reducing barriers to collaboration and data sharing. - Enhance DTIC's Access and Identity Management (AIM) and implement on SIPR products and services once products and services are migrated to the SIPR commercial cloud. - Continue the streamlining of common submission system to support self-service submission of research progress and final reports from the DoD and partners. - Explore self-service maintenance feature for trusted DoD users to update content submitted to DTIC common submission system. This will reduce latency in updates to the community. - Collect and preserve material to ensure the work performed in the DoD labs and across the department isn't lost and remains available to the community to further research. - Automate standard data fields, saving user time with collection submissions, and making them available during search. This will result in a better search experience for DTIC customers. -- Perform pilot study to expand usage of unique identifiers or submitter profiles to retrieve author information to auto-populate forms, saving user time with collection submissions. This will result in improved data quality and a better search experience for DTIC customers. - Provide a repository of metadata for DoD-generated data sets and tool to create data management plans. - Incorporate Digital Object Identifiers (DOIs) for public documents.			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Technical Information Center		Date: April 2022
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0605801KA / *Defense Technical Information Center*	**Project (Number/Name)** 001 / *Defense Technical Information Center*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
- Continue R&E engagement and outreach by meeting with DoD labs, conducting site visits to R&E organizations, attending virtual conferences, and attending conferences to further extend the use of DTIC resources and enabling the R&E community with the many products and services DTIC offers. - Build in high availability and performance within a Cloud environment. - Standardize and optimize Cloud-based infrastructure environments to enhance security posture, improve metrics, meet DoD data center reduction goals, provide continuous monitoring, capabilities, quicker recovery from failure, and take full potential of cost savings. -- Focus on what Amazon is doing with artificial intelligence (AI) with Search Engines. - Continue to maintain and expand the Innovators Information Repository (IIR). -- Integrate IIR capabilities into the R&E Gateway Search. -- Explore, in partnership with Services and Combatant Commands (CCMDs), the development of a capability for companies, academia, and startups to submit portfolios of innovation activities and company information. -- Complete the revision of DoD 3200.14 requiring the use of the IIR to determine whether technology exists or is in development before Department organizations initiate a Request for Information (RFI) or Request for Proposal (RFP). -- Continue outreach with Program Executive Offices (PEOs) to expand the use of IIR. - Collect and preserve material to ensure the work performed in the DoD labs and across the department isn't lost and remains available to the community to further research. -- Collaborate with DoD Labs on DoD Data set Directory, to promote completeness of records within the directory and encourage its use to provide consolidated location for discovering datasets associated with DoD-funded research to fulfill requirements in the 2019 National Defense Authorization Act (NDAA-19). - Continue to publish the Journal of DoD Research and Engineering (JDRE) four times each year, including special editions.			
FY 2023 Plans: - Employ cutting edge technology, computational power offered in the cloud, machine learning (ML), and artificial intelligence (AI) to provide enhanced insight into the science and technology (S&T) enterprise with support for decision makers and researchers. -- Refine search queries to locate the most relevant documents rather than thousands of near matches. -- Provide analysis of past, current, and planned research activities. -- Map relationships to show connections between researchers, organizations, scientific specialties, and published works. -- Present information in visualizations making trends and gaps easy to recognize. -- Allow users to export results in formats that enable further analysis in their own tools. -- Create associations between researchers, institutions, and technology, permitting research efforts further enhancing collaboration and information sharing on emerging technology. - Deliver a single collaboration and knowledge management platform for DTIC customers.			

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Technical Information Center		Date: April 2022
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B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
-- Consolidate collaboration tools to a single application open to all DTIC customers while still protecting data at varying customer credentialed levels. -- Facilitate communication and coordination between S&T and the warfighting community through consolidated platform reducing barriers to collaboration and data sharing. -- Investigate processes to improve collaboration for users including guidelines and best practices. - Enhance DTIC's Access and Identity Management (AIM) and implement on SIPR products and services once products and services are migrated to the SIPR commercial cloud. -- Initiate a user profile model to better understand user needs. -- Connect users with exceptional experiences that are seamless, personalized, and privacy-minded. -- Expand the digital ecosystem to support the remote workforce across digital channels. - Increase DTIC's mobile presence to ensure our products are accessible across devices. - Unify DTIC's products and services interface to increase customer satisfaction. -- Update the DTIC Web Style Guide to expand Web Accessibility compliance and U.S. Web Design standards. - Continue streamline of common submission system to support self-service submission of research progress and final reports from the DoD and partners. - Integrate PubDefense for public access materials into single submission tool. - Integrate International Agreements submission into single submission tool. - Implement self-service maintenance feature for trusted DoD users to update content submitted to DTIC common submission system. - Collect and preserve material to ensure the work performed in the DoD labs and across the department isn't lost and remains available to the community to further research. - Increase collection of reports by 30-35 Thousand, increasing amount of content in the DTIC collection for use by DoD and partners. - Automate standard data fields, saving user time with collection submissions and making them available during search. This will result in a better search experience for DTIC customers. -- Implement unique identifiers or submitter profiles to retrieve author information to auto-populate forms, saving user time with submissions and improve data quality for a better search experience. - Continue R&E engagement and outreach by meeting with DoD labs, conducting site visits to R&E organizations, attending virtual conferences, and attending conferences to further extend the use of DTIC resources and enabling the R&E community with the many products and services DTIC offers. -- Create new Social Media campaigns such as LinkedIn and MilSuite. -- Create Tier 0 (self-service) training for DTIC products and services. - Increase performance and high availability while expanding access to the cloud environment by means of mobile devices and other endpoints.			

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
- Develop, architect, and engineer cloud solutions in a new environment provided and managed by Air Force Cloud One, which is a DOD partner. The new cloud-native software as a service (SaaS)/platform as a service (PaaS) zero-trust architecture will consolidate the many DTIC applications and allow DTIC to increase focus on security and providing users a better experience and greater value. Building a partnership with the USAF Cloud One Program Office will provide DTIC a cloud hosting environment and associated Migration as a Service options. -- Artificial intelligence (AI) and machine learning (ML) capabilities will be achieved with the new target architecture. - Collaborate with DoD Labs on DoD Data set Directory, to promote completeness of records within the directory and encourage its use to provide consolidated location for discovering datasets associated with DoD-funded research to fulfill requirements in the 2019 National Defense Authorization Act (NDAA-19). - Continue to publish the Journal of DoD Research and Engineering (JDRE) four times each year, including special editions. - Coordinate on data interoperability standardization to streamline S&T collaboration across the DoD. -- Integrate with DoD JCS Data Advantage Platform to link existing research with Joint Experimentation and Testing Capability. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** Compared to FY 2022 Base funding levels, the FY 2023 Base reflects an increase of $1.731 Million. The funding increase reflected in this program is due to the FY 2023 civilian pay increase and economic assumptions regarding non-pay inflation rates.			
Accomplishments/Planned Programs Subtotals	53.794	56.437	58.168

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Technical Information Center			Date: April 2022
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605801KA / *Defense Technical Information Center*	Project (Number/Name) 002 / *Information Analysis Centers*	

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
002: *Information Analysis Centers*	39.403	5.016	5.016	5.016	-	5.016	5.016	5.016	5.016	5.016	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

DoD Information Analysis Centers (IACs), established under DoD Instruction 3200.14, serve as a vital resource in providing timely, relevant information directly to users when and where it is needed. IACs serve as a bridge between the warfighter and the Acquisition/Research community, providing essential technical analysis and data support to a diverse customer base, to include the Combatant Commands (CCMDs), the Office of the Secretary of Defense, Defense Agencies, and the Military Services. IACs actively partner and collaborate with Defense Research and Engineering (R&E) focus groups and communities of interest in areas of specialized fields or specific technologies. The IACs create and maintain comprehensive knowledge analysis centers that include historical, technical, scientific, and other data and information collected worldwide. They are staffed with scientists, engineers, and information specialists to provide research and analysis to customers with diverse, complex, and challenging requirements. DoD IAC supports development and maintenance of comprehensive scientific knowledge bases, including historical, technical, scientific, and other data collected throughout the world and pertinent to DoD S&T thrust areas and modernization priorities, providing technology developers, warfighters, program managers, and other stakeholders access to tools, research, testing, evaluation, and training methods that can best contribute to fulfilling their mission.

DoD IAC currently partners with 761 unique organizations to identify and fill DoD's technological gaps by (1) creating the missing information through analysis and/or synthesis of available Scientific and Technical Information (STI), or (2) utilizing available STI to support applied and basic research programs, or (3) performing primary research jointly with other agencies where STI sharing is a requirement. The IAC leverages existing bodies of scientific knowledge in DTIC and allow innovative reuse [FY 2021] 2,195 Technical Inquiries and literature searches, 169 technical products and publications, SME training) to capitalize on available STI and maximize their budget by locating and analyzing data, information, and tools that were used in the development of similar solutions throughout the world. Both the research gaps and the potential partnership opportunities are further synthesized into information and produced as a useful input when engineering new requirements for an R&D project owner's need. Through its research support services and innovative contracting mechanisms, the IAC fosters a design of collaborative and responsible innovation to create building blocks of new research, creating a loop of continuous capability development while adding over 16,000 new research documents to the DTIC repository yearly. In FY 2021, DoD IAC onboarded 89 new DoD research projects to its existing base of 761 active organizations while creating and facilitating reuse of researching findings in the areas of microelectronics, hypersonic, directed energy, cyber, autonomy, artificial intelligence (AI) and machine learning (ML). IAC operations, in concert with National Defense Strategy objectives, directly support the warfighter, and play an ongoing and critical role in solving key CCMD operational issues such as cyber security, unmanned aerial vehicle visual/audible signature reduction, and improvements to the ballistic resistance of body armor. While the appropriated budget has not increased since 2004, DoD IAC has continued to advance its capabilities to meet the evolving needs of the DoD S&T community its capabilities and the demand for its services has grown exponentially, exceeding $2.2B in joint R&D projects in FY 2021.

The IAC Program Management Office at DTIC performs contract acquisition, program management, and operational support for IAC contract operations and the technical information that is generated as a result of research and studies. In a time of shrinking budgets and increasing responsibility, IACs are a valuable resource

Exhibit R-2A, RDT&E Project Justification: PB 2023 Defense Technical Information Center		Date: April 2022
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for accessing scientific and technical information culled from efforts to solve new and historic challenges. Direct IAC customer support activities, such as Task Order processing, research operations support, Defense Finance and Accounting Service (DFAS) activities, contracting/acquisition related activities, etc., are funded in part through partnerships with the Defense R&E community and the annual collection of customer reimbursements for their share of direct costs, in accordance with the IAC Reimbursable Review Board (IRRB) recommendations. This represents the maximum cost-sharing with IAC customers allowable, per guidance from the OSD Office of General Counsel. Annual IAC efforts and accomplishments are dependent on the level of participation and collaboration by the R&E community at large.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
Title: Information Analysis Centers	5.016	5.016	5.016
FY 2022 Plans: - In order to streamline IAC research services, complete transition of Basic Center of Operations (BCO) contracts from three to one contract performer, while still retaining three external facing operations: Cyber Security, Defense Systems, and Homeland Defense. - Of the 42,000+ documents collected by DTIC, the IACs will collect and provide a minimum of 10,000 new technical reports to DTIC for DoD use, increasing collection efforts over the previous year. - In order to support the exchange of information among members of the operational and technical communities, answer approximately 3,000 technical inquiries with timely and in-depth science and technology (S&T) analysis; create and provide STI results via three IAC websites; capture scientific and technical information (STI) products from new/on-going analysis tasks. - Provide research services to the DoD by awarding, managing, and supporting at least 65 new Technical Area Tasks (TATs) ordered by the DoD and non-DoD customers; provide program strategy and ensure alignment with Department goals/direction. - Ensure the IAC Multiple Award Contract (MAC) is meeting the needs of DoD researchers by assessing the third year of contract usage. - Support DoD research objectives by providing research services to new DoD customers, ensuring that new users exceed departing customers, and support research in new technologies as needed to align to USD(R&E) priorities. - Expand support of DoD research and development by increasing the number of registered users of the IAC program by at least 1,200. - Assist in the progress of DoD S&T research by expanding outreach to DoD laboratories and other Basic Research facilities and venues.			
FY 2023 Plans: - With a single contractor now performing basic research and analysis services across the three DoDIAC domains (Cyber Security, Defense Systems, and Homeland Defense), seek and realize efficiencies in providing faster services at reduced costs to a broader customer base. - Though new rules on eligible collections (restricting them to government-funded research) have reduced the number of reports that can be submitted to DTIC, meet or exceed the number of reports acquired in FY 2022. - Continue to provide rapid answers to Technical Inquiries for DoD government researchers, meeting or exceeding the number of Inquiries answered in FY 2022 and provide relevant scientific-technical products to the DTIC repository generated by the DoDIAC.			

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B. Accomplishments/Planned Programs ($ in Millions)	FY 2021	FY 2022	FY 2023
- Provide research services to the DoD research community via the IAC $28 Billion multiple award contracts (IAC MAC), the IAC MAC, meeting or exceeding the amount of contract ceiling awarded in FY 2022; provide program strategy that aligns to, and evolves with, DoD overarching research goals. - Track awarded ceiling on the IAC Multiple Award Contract to ascertain the rate of usage and adjust acquisition strategy and plans for a follow-on contract as necessary; ensure the contract continues to meet DoD research needs and modify it as necessary. - Expand usage of the IAC program research and analysis services by increasing the number of new users of the service, ensuring that new technology areas of research are supported by the expertise of the DoDIAC industry partners across the DoDIAC's three domain areas (Cyber Security, Defense Systems, and Homeland Defense). - Continue to highlight the research and analysis services offered by the IACs to DoD researchers working in Basic Research areas, particularly those in DoD laboratories. ***FY 2022 to FY 2023 Increase/Decrease Statement:*** - There is no change in the FY 2023 Base, as compared to the FY 2022 Base.			
Accomplishments/Planned Programs Subtotals	5.016	5.016	5.016

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A