Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Defense Technical Information Center	Date: March 2023
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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	438.953	60.810	63.184	65.715	-	65.715	66.581	66.980	67.462	68.840	Continuing	Continuing
001: *Defense Technical Information Center*	394.534	55.794	58.168	60.699	-	60.699	61.565	61.964	62.446	63.824	Continuing	Continuing
002: *Information Analysis Centers*	44.419	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 (DTIC) is an enabler to DoD Science and Technology (S&T) delivery of innovation to the warfighter. By capturing the results of today's research and making it available to all DoD users, DTIC provides the building blocks for the next generation of advancement to allow researcher to start where past efforts left off.

DTIC captures the results of S&T efforts, preserves, curates, and then shares that information. DTIC is transforming and modernizing, transforming from a provider of documents to a knowledge and analysis resource, fusing data and providing visualization to increase understanding and show trends. Collaboration tools encourage cross component coordination, and the Information Analysis Centers (IACs) provide industry subject matter experts (SMEs) with answers to quick turn questions with the ability to facilitate further research through short term task orders to complex multi-year research and prototyping efforts.

Utilizing the USAF Cloud One environment and working with Defense Innovation Unit and the R&E Joint Reserve Directorate, DTIC is utilizing Artificial Intelligence (AI) and Machine Learning (ML) technologies, with Development, Security, and Operations (DevSecOps, or rapid security focused development) capability delivery to provide users state of the art innovative discovery and submission tools. The focus for FY 2024 is continued enhancement of discovery and analysis into Impact Level (IL) 6 (classified) and IL2 (public) networks, while adding consolidation and delivery of a modern submission pipeline based on ecommerce best practices to simplify and reduce effort for submitters, provide them tracking and visibility, while improving the quality and completeness of submissions.

In concert with congressional and community interest, DTIC modernizing efforts are informed by the DoD community to transform distribution, enhance collection, strengthen analytical capabilities on S&T content, and support the management of research data sets. Ongoing modernization activities embrace data-driven concepts and leverage commercial innovations.

Freed from the limitations of a physical, under powered data center, DTIC will use the on-demand compute resources in the cloud to pre-package sought after insights, reducing the timelines and expertise previously needed. Rather than each search returning in seconds, DTIC will execute multiple concurrent searches in response to user queries to provide a complete portfolio of S&T activity, allowing users to select the most relevant information for their needs. DTIC will note choices and tailor future results for those users.

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DTIC holds a knowledge base of more than 4.7 million information records and is working with the community to increase completeness and quality of records submitted. To meet Open Science objectives, DTIC will accept inventories of peer reviewed journal articles funded by the DoD and make available without embargo, while identifying digital data sets. DTIC will engage with the Department's Chief Digital and Artificial Intelligence Officer (CDAO) to seek for methods improve data quality, focusing on opportunities possible through enterprise data management.

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

a) Content: Includes the S&T repository DoD and Service records (reports and research data). DTIC acquires and prepares 80 thousand records a year, aligned to critical technology areas, DoD Communities of Interest (CoIs), and technology areas to aid discovery. As state-of-the-art electronic document submission pipeline is implemented, DTIC continues leading open science activities, sharing content with Advana, and conducting gap analysis to identify sources for potential materials, and federating to external collections. Ongoing efforts focus on consolidating input systems and migrating users to new submission interfaces to improve quality of material and realign resources from manual processing to end user tools. Still, DTIC receives thousands of paper and other media documents each year. These documents require manual processing, must be digitized, scanned for PII, verify control markings, and extract the metadata used to aid discovery. Further, DTIC continues to work to complete digitization of hundreds of thousands of documents on microfilm.

b) Discovery: Offers search and analysis interfaces on cloud Impact Level (IL) 4/NIPRNet (Controlled Unclassified Information, or CUI), and IL6/SIPRNet (classified), providing for situational awareness of on-going research activity across the Department. By consolidating tools consistency improves, time users spend locating data well be reduced, lessening the need to be trained in collection types and content, and reduce maintenance requirements allowing focus on users and features. Data scientist and analyst will continue to develop models using AI and ML to increase community understanding of the S&T landscape; incorporate commercial analytic and search technologies to improve search results; and provide users key information and a complete picture of activity and progress. By employing tools now and in the cloud, adding natural language query, and user self-service functions, DTIC looks to move the burden of initial analysis from the user by pre-processing and presenting information products that inform and answer questions using data drawn from multiple collections. DTIC will refocus resources on information analysis and interrogation capabilities.

c) DTIC's Department of Defense Information Analysis Centers (DoDIAC): the DoDIACs support defense systems, cyber security, information systems, and homeland defense and chem-bio security drive innovation and technological development by anticipating and responding to the research needs of the defense and broader community. The DoDIAC Program Management Office (PMO) provides core funding, management, and oversight of 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 PMO manages the $28 Billion IAC MAC, an indefinite delivery, indefinite quantity (ID/IQ) multiple award contract (MAC) that provides vehicles for new research built 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 $2.5 Billion of customer-funded research and analysis in FY 2022, supporting over 700 organizations and over 900 research and development projects. Approximately 10,000 current research artifacts from this R&D work are provided to DTIC's technical repository annually and are available to users across the Department.

Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Defense Technical Information Center	Date: March 2023
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 MODERNIZATION

DTIC's modernization goal is to ensure users are provided access to the most relevant information, drawn from multiple sources, quickly and in one session are provided with data, trends, and analysis to provide full situational awareness given their role or interest. DTIC is DoD's single central source and is an essential knowledge resource improving user results increases DTIC's return on investment (ROI) and S&T's ROI. Modernization focus areas include the following:

- Readiness and Availability: The goal is to be always on. Using rapid failover capabilities of gov cloud, Operating System level zero-day responses from Cloud One, combined with rapid deployment capabilities of DevSecOps, DTIC will increase readiness and availability, including access to on demand compute and storage for artificial intelligence (AI) and machine learning (ML) implementation. Downtime will be reduced and access to burst central processing unit (CPU) capacity will address user needs.

- Submissions: DTIC consolidation submission processes break from past practice that tied submissions to a different interface for each collection. The consolidated process builds an integrated single pipeline; with a consistent clear user interface; built on ecommerce capabilities; automated steps validating metadata, tracking information to the submitter and persistent identifiers to integrate Service feeder systems more fully with DTIC submission system. Submitters have access to batch upload, web-based application interfaces, and system-to-system submissions. Enhancing and simplifying the submission system, and automation of the process will remove barriers and result in a more complete picture (quality and quantity) of the state of knowledge and activity accessed by DTIC search, providing improved situational awareness, increased understanding, enabling 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. 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 Digital and Artificial Intelligence Officer (CDAO) 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 (RDWG); 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.
- Information protection: readily available to trusted users and blocked from unauthorized access.

Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Defense Technical Information Center	Date: March 2023
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- 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): IIR (has been integrated into Horizons) will provide a more complete showcase of SBIR/STTR projects.

-- Global Research Watch (GRW) Program: Has been moved to the Office of Strategic Intelligence and Analysis (OSI&A), formerly known as the Strategic Intelligence & Analysis Cell (SIAC).

-- 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. DTIC is leading the Deputy Chief Technology Officer (Science & Technology) (DCTO(S&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 strategy, efforts, and activities are in alignment with the Department's Chief Digital and Artificial Intelligence Officer (CDAO) and Research Data Working Group, with continued collaboration on adoption of persistent identifiers and research information standards for data sets.

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B. Program Change Summary ($ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	61.453	63.184	64.845	-	64.845
Current President's Budget	60.810	63.184	65.715	-	65.715
Total Adjustments	-0.643	0.000	0.870	-	0.870
• Congressional General Reductions	0.000	-			
• Congressional Directed Reductions	0.000	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.643	-			
• Program Change	-	-	0.870	-	0.870

Change Summary Explanation

Program Change: There is a $0.870 Million program change in the FY 2024 Base President's Budget request. This change reflects FY 2024 economic price adjustments and the civilian pay increase.

The FY 2024 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 2024 Defense Technical Information Center			Date: March 2023
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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
001: *Defense Technical Information Center*	394.534	55.794	58.168	60.699	-	60.699	61.565	61.964	62.446	63.824	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

DTIC's modernization goal is to ensure users are provided access through state of the art and emerging technology tools to the most relevant information, drawn from multiple sources, and in one session are provided full situational awareness given their role or interest. DTIC is DoD's single central source and is an essential knowledge resource improving user results increases DTIC's return on investment (ROI) and S&T's ROI.

DTIC is an enabler to DoD Science and Technology (S&T) delivery of innovation to the warfighter. By capturing the results of today's research and making it available to all DoD users, DTIC provides the building blocks for the next generation of advancement to allow researcher to start where past efforts left off. DTIC maximizes 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, balancing sharing with protection. DTIC's search and collaboration applications foster innovation, competition, and identification of solutions in controlled unclassified and classified environments. Public Access/Open Science initiatives support knowledge sharing with the public.

DTIC captures the results of S&T efforts, preserves, curates, and the shares that information. Digital transformation and modernization efforts move DTIC from a provider of documents to a knowledge resource, fusing data and providing visualization to increase understanding and show trends. Collaboration tools encourage cross component coordination, and the Information Analysis Centers (IACs) provide industry SMEs answers quick turn questions with the ability to facilitate further research through short term task orders to complex multi-year research and prototyping efforts. DTIC collects the results of DoD sponsored research from 70+ labs, Federally Funded Research and Development Centers (FFRDCs), DTIC's Information Analysis Centers (IACs), grants and other contracts. With over 700 customers, many in Programs Executive Offices (PEO's), the IACs provide support for fundamental, foundational research and technology insertion beyond milestone C.

DTIC is responsible for developing, coordinating, and enabling the 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 drafts and manages policy for scientific and technical information (STI) exchanges for the research and engineering (R&E) community.

Utilizing the USAF Cloud One environment and working with Defense Innovation Unit and the R&E Joint Reserve Directorate, DTIC is utilizing Artificial Intelligence (AI) and Machine Learning (ML) technologies, with DevSecOps (rapid security focused development) capability delivery to provide users state of the art innovative discovery and submission tools. The focus for FY 2024 is continued enhancement of discovery and analysis into IL6 (classified) and IL2 (public) networks, while adding consolidation and delivery of a modern submission pipeline based on ecommerce best practices to simplify and reduce effort for submitters, provide them tracking and visibility, while improving the quality and completeness of submissions.

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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*

In concert with congressional and community interest, DTIC modernizing efforts are informed by the DoD community to transform distribution, enhance collection, strengthen analytical capabilities on S&T content, and support the management of research data sets. Ongoing modernization activities embrace data-driven concepts and leverage commercial innovations.

Freed from the limitations of a physical, fixed powered data center, DTIC will use the on-demand compute resources in the cloud to pre-package sought after insights, reducing the time and expertise previously needed. Rather than each search returning in seconds, DTIC will execute multiple concurrent searches in response to user queries to provide a complete portfolio of S&T activity, allowing users to select the most relevant information for their needs. DTIC will note choices and tailor future results for those users.

DTIC holds the institutional memory of the Department's S&T activities, preserving a vital collection going back 75 years. DTIC's knowledge base is more than 4.7 Million information records and DTIC is working with the community to increase completeness and quality of records submitted.

To meet Open Science objectives, DTIC will accept inventories of peer reviewed journal articles funded by the DoD and make available without embargo, while identifying digital data sets. DTIC will engage with CDAO and industry to seek for methods improve data quality, focusing on opportunities possible through enterprise data management.

The Program 001 provides for DTIC mission operations, which are focused on two core activities: Content and Discovery:

Content: Includes the S&T repository DoD and Service records (reports and research data). DTIC acquires and prepares 80 thousand records a year, aligned to critical technology areas, DoD Communities of Interest (CoIs), and technology areas to aid discovery.

a. DTIC will work with our partners to identify service offerings and complete a market survey to identify the current combination of technologies. Ongoing efforts focus on consolidating input systems and migrating users to new submission interfaces to improve quality of material and realign resources from manual processing to end user tools.
b. As a state-of-the-art electronic document submission pipeline is implemented, we understand the effort needed to process the thousands of paper and other media to drop off points.
c. DTIC will continue efforts to improve the quality of existing and new materials and completeness of collections.
d. Some documents require manual processing, must be digitized, scanned for PII, verify control markings, and extract the metadata used to aid discovery. Further, DTIC continues to work to complete digitization of hundreds of thousands of documents on microfilm.

DTIC continues leading open science activities, sharing content with Advana, and conducting gap analysis to identify sources for potential materials, and federating to external collections.

Discovery: Offers search and insight on cloud Impact Level (IL)4/NIPRNet (Controlled Unclassified Information, or CUI), and IL6/SIPRNet (classified), providing for situational awareness of on-going research activity across the Department. By consolidating tools consistency improves, time users spend locating data well be

reduced, lessening the need to be trained in collection types and content, reduce maintenance requirements allowing focus on users and features. Data scientist and analyst will continue to develop models using AI and ML to increase community understanding of the S&T landscape; incorporate commercial analytic and search technologies to improve search results; and provide users key information and a complete picture of activity and progress. By employing tools now and in the cloud, adding natural language query, and user self-service functions, DTIC looks to move the burden and of initial analysis from the user by pre-processing and presenting information products that inform and answer questions using data drawn from multiple collections. DTIC will refocus resources on information analysis and interrogation capabilities.

DTIC MODERNIZATION

Modernization focus areas include the following:

- Readiness and Availability: The goal is to be always on. Using rapid failover capabilities of gov cloud, Operating System level zero-day responses from Could One, combined with rapid deployment capabilities of DevSecOps, DTIC will increase readiness and availability, including access to on demand compute and storage for artificial intelligence (AI) and machine learning (ML) implementation. Downtime will be reduced and access to on-demand central processing unit (CPU) capacity will address user needs.

- Submissions: DTIC consolidation submission processes breaks from past practice integrated single pipeline; with a consistent clear user interface; built on ecommerce capabilities; automated steps validating metadata, tracking information to the submitter and persistent identifiers to integrate that tied submissions a different interface for each collection. The consolidated process builds a Service feeder system more fully with DTIC submission system. Submitters have access to batch upload, web-based application interfaces, and system-to-system submissions. Enhancing the submission system, simplification of submission, and automation of the process will remove barriers and result in a more complete picture (quality and quantity) of the state of knowledge and activity accessed by DTIC search, providing improved situational awareness, increased understanding, and enabling better decisions.

- Search and Analysis: Adopting AI/ML-ready commercial search engine gives DTIC users access to leading commercial engine and user interface features that will be continuously enhanced. 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 Digital and Artificial Intelligence Officer (CDAO) 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 (RDWG); 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

Exhibit R-2A, RDT&E Project Justification: PB 2024 Defense Technical Information Center		Date: March 2023
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*

Other priority and complementary DTIC mission activities are described below:
- Bring communities together supporting collaboration between researchers, warfighters, industry, academia, Federal agencies, and allies.
- Information protection: readily 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.

-- 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. DTIC is leading the Deputy Chief Technology Officer (Science & Technology) (DCTO(S&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.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2022	FY 2023	FY 2024
Title: Defense Technical Information Center	55.794	58.168	60.699
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. -- Modernize our search technologies and ranking algorithms to provide the most relevant documents. -- Provide analysis of past, current, and planned research activities. -- Map relationships to show connections between researchers, organizations, scientific specialties, and published works.			

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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 2022	FY 2023	FY 2024
-- Present information in visualizations making trends and gaps easy to recognize. -- Allow users to export results in formats that enable further analysis using 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 on the government cloud. -- 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 Identity and Access Management (IAM) and implement on NIPR products and services once products and services are migrated from government cloud to the 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. - Unify DTIC's products and services user 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 virtual and/or site visits to R&E organizations, attending virtual and/or live conferences to further extend the use of DTIC resources and enabling the R&E community with the many products and services DTIC offers.			

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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 2022	FY 2023	FY 2024
-- Create new Social Networking campaigns. -- Create Tier 0 (self-service) training for DTIC products and services. - Increase performance and high availability while expanding access to the cloud environment. - 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). -- 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. - Continue to publish the Journal of DoD Research and Engineering (JDRE) four times each year, including special editions. - Continue developing collaboration and knowledge management platform for DTIC internal customers.			
FY 2024 Plans: - Enhance 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. -- Continue to improve our search technologies and ranking algorithms to provide the most relevant documents. -- Provide analysis and linkages of past, current, and planned activities to enhance the tracking of research transitions. -- Continue to discover relationships to show connections between researchers, organizations, scientific specialties, and published works to better display the S&T landscape. -- Enhance the presentation of information in visualizations making trends and gaps easier to recognize. -- Improve user's ability to access DTIC data (e.g., via Application Programming Interfaces) to enable further analysis using their own tools. -- Create associations between researchers, institutions, and technology, permitting research efforts further enhancing collaboration and information sharing on emerging technology. -- Facilitate the citation of content in DTIC's collections by customers, predominantly authors of technical reports. - Migrate collaboration content and knowledge management platforms to the Air Force Cloud One services. -- Reassess and enhance collaborative tools, to ensure our valued customers are receiving the most pertinent features and technologies to meet their mission needs. -- Restructure collaboration tools for improved user experience, sharing, organization, and efficiency.			

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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 2022	FY 2023	FY 2024
-- Improve and streamline collaborative communications and coordination between S&T and the warfighting community. - Enhance DTIC's Identity and Access Management (IAM) and implement on NIPR products and services once products and services are migrated to the commercial cloud. -- Initiate a user profile model to better understand user needs, map outreach messaging to personas, and maximize customer systems engagement. -- Connect users with exceptional experiences that are secure, simple, seamless, personalized, and centralized. -- Evaluate the digital ecosystem to provide enhanced support for the remote workforce across digital channels. - Continue to unify DTIC's products and services user interface to increase customer satisfaction. -- Reevaluate and enhance the DTIC Web Style Guide to expand Web Accessibility compliance and Web Design standards. - Prototype Service pipeline connection to DTIC. -- Federates data pipelines with Service workflows and leverage AI/ML at the edge; acquiring data for more complete picture of the S&T domain. - Replace submission pipeline, field e-commerce submission features for customer use. -- Encourages increased submissions thru application of ML processes such as: e-commerce features (prepopulated fields), auto-generated summaries, recommended document tags, Personally Identifiable Information (PII) screening, classification confirmation, and distribution code check. - Reassess R&E engagement and outreach activities and focus on those providing the greatest value. -- Improve metrics that measure return on investment for outreach activities. -- Better understand our customer personas and customize associated targeted engagements. -- Encourage authors of submitted DoD publications and DoD researchers to be registered DTIC users. - Transition classified/Impact Level 6 (IL6) content and data to Cloud One hosting. - Build artificial intelligence (AI) and machine learning (ML) models of S&T activity, where technology is progressing. - Continue to 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 data sets associated with DoD-funded research. -- Continue to coordinate on data interoperability standardization to streamline S&T collaboration across the DoD. -- Continue to integrate with DoD JCS Data Advantage Platform to link existing research with Joint Experimentation and Testing Capability. - Continue to publish the Journal of DoD Research and Engineering (JDRE) four times each year, including special editions. ***FY 2023 to FY 2024 Increase/Decrease Statement:*** Compared to FY 2023 Base funding levels, the FY 2024 Base reflects an increase of $2.531 Million. The funding increase reflected in this program is largely due to the FY 2024 civilian pay increase and adjustments for economic assumptions regarding non-pay inflation rates.			
Accomplishments/Planned Programs Subtotals	55.794	58.168	60.699

Exhibit R-2A, RDT&E Project Justification: PB 2024 Defense Technical Information Center		Date: March 2023
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*

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2024 Defense Technical Information Center											Date: March 2023	
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 2022**	**FY 2023**	**FY 2024 Base**	**FY 2024 OCO**	**FY 2024 Total**	**FY 2025**	**FY 2026**	**FY 2027**	**FY 2028**	**Cost To Complete**	**Total Cost**
002: *Information Analysis Centers*	44.419	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

The Department of Defense Information Analysis Centers (DoDIAC), 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 (CCMD), 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. DoDIAC 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 critical technology areas, 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.

The DoDIAC currently partners with over 700 unique organizations to identify and fill DoD's technological gaps by (1) creating the missing information through analysis and/or synthesis of available ongoing research and Scientific and Technical Information (STI), or (2) utilizing available research and STI to support applied and basic research programs, or (3) performing primary research directly or jointly with other agencies where STI sharing is a requirement.

The DoDIAC leverages existing bodies of scientific knowledge within DTIC's repository and other repositories enabling innovative reuse. In FY 2022, the DoDIAC produced 5,657 Technical Inquiries and, 169 technical products and publications, 81 SME training events (webinars or classroom) 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 DoDIAC 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 10,000 new research documents to the DTIC repository yearly. In FY 2022, DoDIAC onboarded 65 new DoD organizations to its existing base of over 700 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, and the demand for its services has grown exponentially, exceeding $2.4 Billion in joint R&D projects in FY 2022.

Exhibit R-2A, RDT&E Project Justification: PB 2024 Defense Technical Information Center		Date: March 2023
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0605801KA / *Defense Technical Information Center*	**Project (Number/Name)** 002 / *Information Analysis Centers*

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 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 2022	FY 2023	FY 2024
Title: Information Analysis Centers	5.016	5.016	5.016
FY 2023 Plans: - With a single contractor now performing basic research and analysis services across the three DoDIAC domains IACs (Cyber Security, Defense Systems, and Homeland Defense), the program seeks to realize efficiencies in providing faster services at reduced costs to a broader customer base. - Though new rules on eligible collections (restricting them to only 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. - Provide research and analysis services to the DoD research community via the IAC $28 Billion multiple award contract (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 MAC 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 IACs (Cyber Security, Defense Systems, and Homeland Defense). -Increase efficiency of funding document processing (MIPR/7600A) by prototyping Robotic Process Automation (RPA) to speed funding document submission evaluation of the over 9000 funding documents processed in FY2022. - 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 2024 Plans: - Though new rules on eligible collections (restricting them to only 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 2023. - Continue to provide rapid answers to Technical Inquiries for DoD government researchers, meeting or exceeding the number of Inquiries answered in FY 2023 and provide relevant scientific-technical products to the DTIC repository generated by the DoDIAC.			

Exhibit R-2A, RDT&E Project Justification: PB 2024 Defense Technical Information Center		Date: March 2023
Appropriation/Budget Activity 0400 / 6	**R-1 Program Element (Number/Name)** PE 0605801KA / *Defense Technical Information Center*	**Project (Number/Name)** 002 / *Information Analysis Centers*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2022	FY 2023	FY 2024
- Provide research and analysis services to the DoD research community via the DoDIAC $28 Billion multiple award contracts (IAC MAC), meeting or exceeding the amount of contract ceiling awarded in FY 2023; provide program strategy that aligns to, and evolves with, DoD overarching research goals. - Start working on IAC MAC follow-on to ensure continuous coverage of support to meet DoD research needs. - 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 2023 to FY 2024 Increase/Decrease Statement:*** - There is no change in the FY 2024 Base, as compared to the FY 2023 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