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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Chemical and Biological Defense Program **Date:** March 2023

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 0605384BP / <i>Chemical and Biological Defense Program</i>
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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	0.000	116.573	126.432	74.382	0.000	74.382	73.757	75.320	75.378	73.142	Continuing	Continuing
DW6: <i>Major Range And Test Facility Base (Mgmt Support)</i>	-	63.914	63.390	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	127.304
LS6: <i>Laboratory Support (Mgmt Support)</i>	-	8.659	10.187	10.290	0.000	10.290	10.290	10.290	10.290	10.290	Continuing	Continuing
MS6: <i>Management Support (Mgmt Support)</i>	-	41.950	52.855	64.092	0.000	64.092	63.467	65.030	65.088	62.852	Continuing	Continuing
DT6: <i>Joint Doctrine And Training Support (Mgmt Support)</i>	-	0.836	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.836
O49: <i>Joint Concept Development (Mgmt Support)</i>	-	1.214	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.214

A. Mission Description and Budget Item Justification

This program element (PE) resources to research, development, test, and evaluation (RDT&E) management support as a key enabler across the Understand, Protect, Mitigate, and Enabling Investments portfolios. Chemical Biological Defense Program (CBDP) investments provide an integrated, layered capability to enable combating weapons of mass destruction (CWMD) missions ranging from combat operations to Department of Defense (DoD) support to domestic incident prevention and response. The Projects in this PE support sustainment and modernization of laboratory infrastructure, test capabilities, studies and analyses, Joint doctrine and training, and program and financial management support. FY24 funding accelerates characterization and situational awareness of emerging biothreats and accelerates delivery of improved protection from and mitigation of biothreats, including rapid repurposing of available therapeutics and development of new vaccines.

Individual Projects include:

- Major Range and Test Facility Base (MRTFB) (DW6): Operating support to West Desert Test Center (WDTC) and BioTesting Division (Chemical Biological Center) for the required institutional test operating costs (e.g., institutional civilian and contractor labor; repair and maintenance of test instrumentation, equipment, and facilities; and replacement of test equipment). Beginning in FY24, Project DW6 will functionally transfer program and funding to the 2040 appropriation, PE 0605601A / Project WD1, West Desert Test Center.

- Laboratory Support (LS6): Operating support for sustainment and modernization efforts for surety laboratory infrastructure in order to maintain and enhance DoD infrastructure capabilities to counter an expanding threat space, exploit advances in technology, and develop and transition CB defense equipment and countermeasures to the Warfighter.

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- Management Support (MS6): Management support for the DoD CBDP to allow program overview and integration of overall medical and non-medical programs by the Assistant Secretary of Defense for Nuclear, Chemical, and Biological Defense Programs (ASD(NCB)), through the Deputy Assistant Secretary of Defense for Chemical Biological Defense (DASD(CBD)).

- Joint Doctrine and Training Support (DT6) and Joint Concept Development (O49) are no longer active FY24 Projects due to budget restructuring.

B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	115.503	124.475	125.966	-	125.966
Current President's Budget	116.573	126.432	74.382	-	74.382
Total Adjustments	1.070	1.957	-51.584	-	-51.584
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-2.243			
• Congressional Rescissions	-	-			
• Congressional Adds	-	4.200			
• Congressional Directed Transfers	-	-			
• Reprogrammings	6.362	-			
• SBIR/STTR Transfer	-2.923	-			
• Other Adjustments	-2.369	-	-51.584	-	-51.584

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

Project: DW6: *Major Range And Test Facility Base (Mgmt Support)*

Congressional Add: *Chemical/Biological Defense Testing*

Congressional Add Subtotals for Project: DW6

Congressional Add Totals for all Projects

	FY 2022	FY 2023
	5.000	4.200
	5.000	4.200
	5.000	4.200

Change Summary Explanation

Funding: FY 2022 (+\$5.000 Million): Congressional Add for chemical/biological defense testing is reflected in the Previous President's Budget total.

FY 2022 (+\$6.362 Million): Below threshold reprogramming increase from prior year execution balances to support transfer of funding to Nuclear, Chemical, and Biological (NCB) high priority efforts and the Departments higher priorities.

FY 2022 (-\$2.923 Million): Transfer of funding to support Small Business Innovative Research/Small Business Technology Transfer efforts.

FY 2022 (-\$2.369 Million): CBDP funding transferred to Nuclear, Chemical, and Biological (NCB) high priority efforts.

FY 2023 (-\$2.243 Million): Congressional Directed Reductions.

FY 2023 (+\$4.200 Million): Congressional Add for major range and test facility base management support.

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FY 2024 (-\$51.584 Million): Decrease due Project DW6 functional transfer of program and funding to the 2040 appropriation, PE 0605601A / Project WD1, West Desert Test Center (-\$63.028 Million); and additional adjustments to increase situational awareness of biodefense materiel readiness (+\$5.200 Million), Departmental inflation rate adjustments (+\$1.687 Million), and routine program adjustments to balance overall portfolio efforts (+\$4.557 Million).

Schedule: N/A

Technical: N/A

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Chemical and Biological Defense Program										Date: March 2023		
Appropriation/Budget Activity 0400 / 6					R-1 Program Element (Number/Name) PE 0605384BP / <i>Chemical and Biological Defense Program</i>				Project (Number/Name) DW6 / <i>Major Range And Test Facility Base (Mgmt Support)</i>			
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
DW6: <i>Major Range And Test Facility Base (Mgmt Support)</i>	-	63.914	63.390	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	127.304
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Major Range and Test Facility Base (MRTFB) Research, Development, Test, and Evaluation (RDT&E) Management Support Project provides for the Dugway Proving Ground (DPG) MRTFB technical and operational capability for proving Department of Defense (DoD) Chemical and Biological (CB) and Non Traditional Agent (NTA) defense materiel, equipment, and systems from concept through production to include associated special operations Tactics, Techniques, and Procedures Development (TTPD) activities.

Efforts included in this Project are:

- (1) Combat Capability Development Command (DEVCOM) Chemical and Biological Center BioTesting Division (BTD-CBC)
- (2) West Desert Test Center (WDTC)

Together WDTC and BTD-CBC are the reliance centers for all DoD CB defense testing and provide the United States' only combined range, chamber, toxic chemical lab, and bio-safety level 3 Biological Select Agent and Toxin (BSAT) aerosol test capability. WDTC and BTD-CBC use unique, state-of-the-art chemical and life-science test facilities and test chambers to perform CB defense testing of protective gear, decontamination systems, detectors, equipment, and non-materiel CB defense solutions while maintaining safety, security, and surety of chemical agents and biological pathogens. WDTC also provides surveyed and instrumented outdoor ranges and specialized structures for CB simulant agent dissemination in operationally threat-relevant environments and TTPD activities.

Beginning in FY24, the PE 0605384BP / Project DW6, MRTFB RDT&E Management Support will functionally transfer program and funding from appropriation 0400, to the 2040 appropriation, PE 0605601A / Project WD1, West Desert Test Center.

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

	FY 2022	FY 2023	FY 2024
Title: 1) BTB TEST - MRTFB	7.609	7.641	-
Description: Funding maintains MRTFB test and evaluation (T&E) mission readiness at Bio Testing Division for biological surety laboratory operations, bio-safety risk management, and defensive T&E mission support activities. Lothar Salomon Life Sciences Test Facility (LSTF) and Baker complex contains biosafety level (BSL) 1, 2, and 3 laboratories for testing biological weapons detectors, individual protective clothing and equipment, decontamination systems, and material survivability in a bioweapon contaminated environment. LSTF is the sole DoD facility certified to challenge developmental defensive test equipment with			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
aerosolized biological warfare agents, including bacteria, viruses, and biological toxins, in BSL-3 chambers. Represents the MRTFB activity's institutional and overhead T&E mission support activities not financed by DoD MRTB users.				
<p>FY 2023 Plans: Continue T&E mission support activities (civilian labor, travel, training, communications, printing and reproduction, supplies, equipment acquisition, contract support, and purchased equipment maintenance) not chargeable to a test customer to maintain mission readiness of biological developmental and operational T&E capability.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Program/project funding transferred to another funding line. In FY24, PE 0605384BP / Project DW6, MRTFB RDT&E Management Support will realign from appropriation 0400 to the 2040 appropriation, PE 0605601A / Project WD1, West Desert Test Center.</p>				
<p>Title: 2) DPG - WDTC, MRTFB Civilian Pay</p> <p>Description: MRTFB Civilian Pay</p> <p>FY 2023 Plans: Funds will continue to support the overhead costs of civilian labor, with the balance customer funded. Test customers will continue to pay all costs directly attributable to the use of a test facility or resource for testing of a particular program. West Desert Test Center (WDTC) will continue to provide a specially trained support staff to operate and maintain all critical testing systems.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Program/project funding transferred to another funding line. In FY24, PE 0605384BP / Project DW6, MRTFB RDT&E Management Support will realign from appropriation 0400 to the 2040 appropriation, PE 0605601A / Project WD1, West Desert Test Center.</p>		26.882	27.715	-
<p>Title: 3) DPG - WDTC, MRTFB Mission Support</p> <p>Description: MRTFB Mission Support - Provides ongoing sustainment of existing chemical test instrumentation and equipment at WDTC necessary for chemical laboratories, chemical/biological field and simulant chamber, data science test mission readiness, and staff functions not chargeable to a test customer. Supports annual service contracts for test equipment operations, diagnostics, calibration, and certification, as well as routine life-cycle and use-related replacement of existing field, test related administrative, and analytical instrumentation components and systems. Supports test facility maintenance, handling and disposal of hazardous materials, transportation, postage, administrative supplies, tools, software, spare parts, mission unique installation costs, temporary duty/training of civilian and contractor personnel, personnel certifications, printing, reproduction, and communications.</p> <p>FY 2023 Plans:</p>		12.431	12.588	-

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
<p>Funds will provide continued sustainment of existing test instrumentation and equipment at WDTC in support of operations; support annual service contracts for equipment operation, diagnostics, and calibration, as well as routine life-cycle and use-related replacement of existing field, administrative, and analytical instrumentation components and systems; support test facility maintenance, handling and disposal of hazardous materials, transportation, postage, administrative supplies, tools, software, spare parts, mission unique installation costs, temporary duty/training of civilian and contractor personnel, certifications, printing and reproduction, and communications.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Program/project funding transferred to another funding line. In FY24, PE 0605384BP / Project DW6, MRTFB RDT&E Management Support will realign from appropriation 0400 to the 2040 appropriation, PE 0605601A / Project WD1, West Desert Test Center.</p>			
<p>Title: 4) DPG - WDTC, MRTFB Contractor Support</p> <p>Description: MRTFB Contractor Support</p> <p>FY 2023 Plans: Funds will continue to support contractor labor costs not billable to customers. Contract labor augments core civilian T&E personnel with additional expertise, capabilities, and/or capacity. Functions include chemical and biological analysis, test field support, planning and test report documentation; range operations, warehousing, project management, maintenance to test facilities and data acquisition. For some skillsets, no government civilians perform the work.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Program/project funding transferred to another funding line. In FY24, PE 0605384BP / Project DW6, MRTFB RDT&E Management Support will realign from appropriation 0400 to the 2040 appropriation, PE 0605601A / Project WD1, West Desert Test Center.</p>	11.992	11.246	-
Accomplishments/Planned Programs Subtotals	58.914	59.190	-

	FY 2022	FY 2023
Congressional Add: Chemical/Biological Defense Testing	5.000	4.200
FY 2022 Accomplishments: Continued testing upgrades and modernization to support chemical/biological defense testing at West Desert Test Center and DEVCOM CBC BioTesting Division.		
FY 2023 Plans: Fund Major Range and Test Facility Base management support operations.		
Congressional Adds Subtotals	5.000	4.200

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

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

Remarks

D. Acquisition Strategy

N/A

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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
LS6: <i>Laboratory Support (Mgmt Support)</i>	-	8.659	10.187	10.290	0.000	10.290	10.290	10.290	10.290	10.290	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Laboratory Support Research, Development, Test, and Evaluation (RDT&E) Management Support Project provides Department of Defense (DoD) laboratory infrastructure sustainment and modernization to upgrade key systems to current state-of-the-art capabilities. Ensures that the necessary surety operations can be conducted effectively and safely in support of the Chemical and Biological Defense Program (CBDP). As a force multiplier, this Project will provide more robust capabilities to the CBDP and ensure continuity of operations and environmental compliance.

Efforts included in this Project are:

- (1) U.S. Army Combat Capabilities Development Command (DEVCOM) Chemical Biological Center (CBC) Laboratory Infrastructure, and
- (2) U.S. Army Medical Research and Development Command (MRDC) Laboratory Infrastructure

DEVCOM Chemical Biological Center (CBC) laboratory infrastructure provides sustainment and modernization to research and develop CB defense capabilities that enable the Joint Force to fight and win in contested environments. CBC explores, assesses, and demonstrates operational utility of Integrated Early Warning and Integrated Layered Defense approaches that impact the Warfighter's ability to manage operational decisions while playing a critical role in modernizing the Army and DoD's Biodefense capabilities. CBC assesses and characterizes emerging threats in order to prevent use and avoid surprise in addition to exploring technology integration of CB defense capabilities into combat platforms thus unencumbering the Warfighter.

MRDC laboratory infrastructure provides for laboratory operations, facilities sustainment, and regulatory compliance for critical CB defense activities at the U.S. Army Medical Research Institute for Infectious Diseases (USAMRIID) and the U.S. Army Medical Research Institute for Chemical Defense (USAMRICD) to counter an expanding threat space, exploit advances in technology, and develop and transition CB defense equipment and countermeasures to the Warfighter.

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

	FY 2022	FY 2023	FY 2024
Title: 1) LABINF - Chemical Biological Center (CBC) Laboratory Infrastructure	7.399	8.850	8.849
Description: Provides the necessary sustainment and modernization needed at key tier 1 laboratories at DEVCOM CBC. Affords DEVCOM CBC the ability to provide innovative chemical, biological, radiological, nuclear and explosive (CBRNE) defense capabilities that enable the joint warfighter's dominance on the battlefield and interagency defense of the homeland.			
FY 2023 Plans:			

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
<p>Continuation of the sustainment and modernization efforts that support chemical and biological research, development, and life-cycle engineering capabilities at DEVCOM CBC. Continue testing and characterization to inform detection, protection, and decontamination capabilities as it relates to CB Protection systems and concepts. Continue Organization for the Prohibition of Chemical Weapons (OPCW) support mission to both the Warfighter and Homeland Defense. Conduct carbon testing and SMARTMAN mask tests to protect both the Warfighter and First Responders. Continue execution of Operational Toxicology research. Perform testing, validation, and certification of product lot acceptance and shelf-life extension for all Department of Defense (DoD) activated carbon products.</p> <p>FY 2024 Plans: Continues sustainment and modernization efforts that support chemical and biological research, development, and life-cycle engineering capabilities at DEVCOM CBC. Supports permeation testing of military issued gloves, airline hoses, and other permeable, semi-permeable, and non-permeable materials used to support the warfighter. Supports First Article Production Lot Acceptance testing as dictated by various military specifications. Modernizes two steam baths used in the decontamination of chemical agent contaminated test articles that support both the warfighter and first responders.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Minor change due to routine program adjustments.</p>			
<p>Title: 2) LABINF - Medical Research and Development Command (MRDC) Laboratory Infrastructure</p> <p>Description: U.S. Army Medical Research Institute for Infectious Diseases (USAMRIID) and the U.S. Army Medical Research Institute for Chemical Defense (USAMRICD) provides support to laboratory infrastructure for laboratory operations, facilities sustainment, and regulatory compliance for critical chemical biological defense activities.</p> <p>FY 2023 Plans: Funds will continue to support laboratory infrastructure for laboratory operations, facilities sustainment, and regulatory compliance for critical chemical biological defense activities at USAMRIID and USAMRICD. Activities supported include elements of laboratory support operations, maintenance and repair of existing capabilities, chemical agent security, quality systems compliance, chemical and biological safety, and/or research protections. Sustain Joint Worldwide Intelligence Communications System (JWICS) access at USAMRICD for Top Secret (TS) and TS/Sensitive Compartmented Information (SCI) onsite communication. The SCIF will assist with ensuring USAMRICD meets all security regulations and policies related to its chemical defense mission.</p> <p>FY 2024 Plans: Continue support laboratory infrastructure for laboratory operations, facilities sustainment, and regulatory compliance for critical chemical and biological defense activities at USAMRIID and USAMRICD. Support includes elements of laboratory support operations, maintenance and repair of existing capabilities, chemical and biological agent security, quality systems compliance,</p>	1.260	1.337	1.441

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2022	FY 2023	FY 2024
chemical and biological safety, key maintenance contracts, and/or research protections. Reimburse provider for JWICS access at USAMRICD for TS and TS/SCI onsite communication. The SCIF ensures USAMRICD meets all security regulations and policies related to its chemical defense mission.				
FY 2023 to FY 2024 Increase/Decrease Statement: Minor change due to routine program adjustments.				
Accomplishments/Planned Programs Subtotals		8.659	10.187	10.290
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
D. Acquisition Strategy				
N/A				

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COST (\$ in Millions)	Prior Years	FY 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
MS6: <i>Management Support (Mgmt Support)</i>	-	41.950	52.855	64.092	0.000	64.092	63.467	65.030	65.088	62.852	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Management Support Research, Development, Test, and Evaluation (RDT&E) Project provides management support for the Department of Defense (DoD) Chemical and Biological Defense Program (CBDP). It includes program oversight and integration of overall non-Chemical Biological Radiological Nuclear (CBRN) Defense Equipment (non-CDE) and CBRN Defense Equipment (CDE) programs by the Assistant Secretary of Defense for Nuclear, Chemical, and Biological Defense Programs (ASD(NCB)) and defense programs through the Deputy Assistant Secretary of Defense for Chemical and Biological Defense (DASD(CBD)).

Efforts included in this Project are:

- (1) Biological Select Agent and Toxins (BSAT) Biorisk Program Office (BBPO),
- (2) Biodefense Materiel Readiness Common Operating Picture (BDMR COP),
- (3) Executive Agent Management (EA MGT),
- (4) Joint Acquisition CB Knowledge System Defense Business System (JACKS DBS),
- (5) Joint Concepts, Studies, and Analysis (JCSA),
- (6) Joint Requirements Office Management (JRO MGT),
- (7) Joint Test Infrastructure Working Group (JTIWG),
- (8) Office of the Secretary of Defense Management (OSD MGT),
- (9) Joint CBRN Defense Program Analysis and Integration Office Management (PAIO MGT), and
- (10) Workforce and Biosafety - Enhanced Biodefense (WB-ENBD)

BSAT BBPO supports the DoD EA and EA Responsible Official (EARO) for BSAT Biosafety and Biosecurity Programs in their responsibilities for mission oversight, technical review, inspection, harmonization of biosafety and biosecurity protocols and procedures across DoD laboratories handling BSAT. Efforts also support the Scientific Gaps in Biorisk Research Program (SGBRP) to address gaps in scientific knowledge to facilitate validation of BSAT protocols and procedures. Closing these gaps will reduce the inherent risks associated with BSAT research in CBDP laboratories and supports research and development work on priority agents. Research projects, selected from an order of merit list are funded for one year.

The BDMR COP will increase situational awareness of biodefense readiness through a biodefense logistics common operating picture (COP) to ensure preparedness and enable a more rapid response to biological threats. The platform will enable the biodefense enterprise to monitor assets and acquisition programs to consolidate data streams into executive dashboards, working level planning tools to provide material readiness status, and provide supply chain visibility and illuminations. This situational awareness of required biodefense materiel capabilities, including medical and non-medical personal protective equipment, will also enable leaders to track

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and manage the necessary capabilities to protect the Total Force and mitigate the effects of biological incidents. This effort will enable a holistic approach to addressing supply chain risk management, resiliency and security to across the entire biological defense aperture.

EA MGT, as the DoD Executive Agent for the CBDP, is responsible for coordinating and integrating research, development, test, and evaluation and acquisition requirements of the Military Departments and National Guard Bureau; and reviewing all funding requirement through the Planning, Programming, Budgeting, and Execution (PPBE) process for the CBDP enterprise.

JACKS DBS is a flexible, web-hosted CBRN data warehouse that provides the Warfighter, first responders and other users with a centralized, authoritative, and comprehensive source of CBRN information. JACKS also supports the acquisition domain by utilizing cutting edge information technology solutions and business intelligence tools to provide the Joint Force with the ability to mine data and create interactive data visualizations.

JCSA, through the Joint Requirements Office (JRO) for CBRN Defense, a Chairman's Controlled Activity aligned under the Joint Staff J8, is responsible for supporting foundational Joint Concepts development, studies, and analyses to enable requirements and capabilities development of both medical and physical CBRN defense systems; coordinates WMD/CBRN threat information requirements; and conducts integrated CBRN risk assessments.

JRO MGT, through the Joint Requirements Office (JRO) for CBRN Defense, a Chairman's Controlled Activity aligned under the Joint Staff J8, is responsible for representing the Services and Combatant Commands (CCMD) in the requirements generation process for the development of Joint materiel and non-materiel solutions in the medical and physical CBRN defense mission areas. Directly supports the improvement of CBRN defense-related leadership development, education, and training at the Joint and Service levels and provides technical and subject matter expert support in the areas of CBRN Defense/Countering Weapons of Mass Destruction (CWMD), including during CCMD exercises.

JTIWG, through the Chemical, Biological, Radiological and Nuclear Defense (CBRND) Test and Evaluation (T&E) Executive, is responsible for the planning, balancing, and oversight of test infrastructure and test technology requirements to support Developmental Testing (DT) and Operational Testing (OT) of DoD CBRND systems. The JTIWG program supports T&E Early Involvement; test threat planning; T&E studies; and T&E standards planning and development to support CBRND testing for all Services to include medical T&E efforts. The CBRND T&E Executive oversees the Enterprise processes to develop and sustain standardized T&E methodologies and validated instrumentation and infrastructure to ensure the adequacy of test for CBRND systems in alignment with acquisition milestones and associated decision points. The CBRND T&E Executive provides the T&E infrastructure investment strategy and coordinates investment planning and T&E capabilities validation among the Joint Service Community to ensure that program needs are met. The CBRND T&E Executive oversees the T&E processes to ensure end to end feedback loops to support to the Warfighter.

OSD MGT performs program reviews/assessments, provides programmatic PPBE oversight/analysis, provides Congressional issue analysis and support, and financial management. OSD MGT also provides the CBDP Enterprise all aspects of accounting, to include financial statements, reconciliation of budgetary and proprietary accounts, and compliance.

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PAIO MGT conducts independent analysis and provides objective advice to the CBDP and the Countering Weapons of Mass Destruction (CWMD) stakeholders to inform senior leader decision-making across the DoD and whole of government partners. PAIO ensures CBRN defense programs mission areas, policies, and processes support operational requirements, promote efficiency and readiness, and meet national security objectives.

WB-ENBD provides centralized DoD expertise, implements biosafety improvements, and adds protections for CBDP defense industrial supply chain and intellectual property.

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

	FY 2022	FY 2023	FY 2024
<p>Title: 1) OSD BIOSAFETY</p> <p>Description: Biological Select Agent and Toxins (BSAT) Support</p> <p>FY 2023 Plans: Continue to maintain the Joint Interagency Biorisk Program System (JIBS) (Defense BSAT Business System), continue to perform laboratory site visits, participate and oversee laboratory inspections, execute stakeholders meetings, Biorisk Scientific Review Panel (BSRP) meetings, Scientific Gaps in Biorisk Research Program (SGBRP) committees, contribute towards harmonization of the biosafety and biosecurity across Department of Defense (DoD) BSAT registered laboratories.</p> <p>FY 2024 Plans: Continue to maintain the Joint Interagency Biorisk Program System (JIBS) (Defense BSAT Business System), continue to perform laboratory site visits, participate and oversee laboratory inspections, execute stakeholders meetings, BSRP meetings, SGBRP committees, contribute towards harmonization of the biosafety and biosecurity across DoD BSAT registered laboratories.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Minor change due to routine program adjustments.</p>	1.956	1.824	1.955
<p>Title: 2) BSAT RSRCH SPT</p> <p>Description: Scientific Gaps in Biorisk Research Program (SGBRP) Support</p> <p>FY 2023 Plans: Select gap research projects based on a new order of merit list, while remaining in accordance with the Scientific Gap Biorisk Research Program (SGBRP) Charter.</p> <p>FY 2024 Plans: Select gap research projects based on a new order of merit list, while remaining in accordance with the Scientific Gap Biorisk Research Program (SGBRP) Charter.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement:</p>	0.806	0.748	0.806

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Chemical and Biological Defense Program		Date: March 2023
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605384BP / <i>Chemical and Biological Defense Program</i>	Project (Number/Name) MS6 / <i>Management Support (Mgmt Support)</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
Minor change due to routine program adjustments.			
<p>Title: 3) BDMR COP</p> <p>Description: Enables a logistic common operating picture (COP) framework and platform for biodefense supply chain risk management.</p> <p>FY 2024 Plans: Initiate management support and activities for the execution of a logistic COP to enable situational awareness across biodefense materials to include both medical and non-medical personal protective equipment. Supports multiple support contracts to enable a holistic view to ensure complete readiness across biological defense material solutions.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Additional investment to advance the overarching goals aligned with the 2022 National Biodefense Strategy and Implementation Plan (NBS).</p>	-	-	5.200
<p>Title: 4) EA MGT</p> <p>FY 2023 Plans: Funds will continue providing support to the DoD EA to conduct coordination and integration of the RDT&E and acquisition requirements of the military departments for CB warfare defense programs of the DoD and review all funding requirements for the CBDP as codified in public law and DoDD 5160.05E.</p> <p>FY 2024 Plans: Provide subject matter expertise and acquisition program management to work across research, development, test and evaluation and acquisition functions. Conduct reviews and assessments of current CBRN strategy, guidance and plans to identify and inform solutions for issues requiring EA decision, coordination, and integration.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increase due to change in program/project schedule.</p>	0.940	0.872	1.024
<p>Title: 5) JACKS DBS</p> <p>Description: Provided CBRN Enterprise Services and Support</p> <p>FY 2023 Plans: Funds will update and streamline the JACKS user interface with a more modern look and feel. The updates to the user interface will provide users with a better overall user experience and enable them to find the information they need faster. Additionally, the</p>	3.128	3.246	3.650

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Chemical and Biological Defense Program		Date: March 2023
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605384BP / <i>Chemical and Biological Defense Program</i>	Project (Number/Name) MS6 / <i>Management Support (Mgmt Support)</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
<p>changes to the user interface will help improve data quality and integrity by making it easier to identify, report, and correct data fed to JACKS from external systems.</p> <p>FY 2024 Plans: JACKS will begin developing and deploying data marts into the JACKS Data Warehouse to reposition JACKS data into compartmentalized areas. The JACKS data marts will enable JACKS users to quickly make informed business decisions by curating authoritative Chemical Biological Defense Program data from various sources into a centralized location.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Minor change due to routine program adjustments.</p>			
<p>Title: 6) JCSA</p> <p>FY 2023 Plans: Funds will conduct the follow-on study/assessment to the FY20 CBRN Response Enterprise Capability Based Assessment. Initiate a Post-Integrated Early Warning Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, and Facilities (DOTMLPF-P) Change Recommendation Study/Assessment. Sponsor the first Personal Contamination Mitigation (Wound and Ocular Decontamination) Analysis of Alternatives. Plan and conduct all modelling and scenario development in support of CASSANDRA 24, the preeminent CBRN-focused Operational Risk Analysis exercise. Continue to update detailed operational risk analyses to support CBDP leadership decisions.</p> <p>FY 2024 Plans: Funds will be used to conduct studies/assessments and analysis in support of approved acquisition program requirements development to meet milestone decisions in coordination with the DASD(CBD) and CBDP Component organizations. Funding will additionally be used to plan and conduct CASSANDRA 24, the preeminent CBRN-focused Operational Risk Analysis exercise. Lastly, funds will continue to support detailed operational risk analyses to support CBDP leadership decisions and Joint Force planning constructs.</p>	-	1.320	1.320
<p>Title: 7) JRO MGT</p> <p>FY 2023 Plans: Funds will continue to represent the Services and Combatant Commands (CCMD) in the requirements generation process for Joint materiel and non-materiel solutions in the medical and physical CBRN defense mission areas; conduct foundational studies for the combating weapons of mass destruction (CWMD) / CBRN defense community; provide support to Joint and Multi-service doctrine development, including the preparation of various Joint publications which then inform Multi-service Tactics, Techniques and Procedures (MTTPs). Continue to support CBRN/CWMD training efforts at various Joint Senior Leadership schools. Continue to support COCOM scenario development and controller/evaluator training and provide expertise to CCMD exercises. Continue to chair the CWMD Working Group to ensure synchronized Joint Capabilities Integration and Development</p>	7.868	8.499	9.158

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Chemical and Biological Defense Program		Date: March 2023
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605384BP / <i>Chemical and Biological Defense Program</i>	Project (Number/Name) MS6 / <i>Management Support (Mgmt Support)</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
<p>System (JCIDS) documents are appropriately vetted and staffed prior to being brought to the Protection Functional Capabilities Board. Continue to chair the CBRN Support to Command and Control Sub-working Group supporting the C4Cyber Functional Capabilities Board (FCB) include the preparation and validation of Capability Development Packages and Capability Packages.</p> <p>FY 2024 Plans: Funds will continue to represent the Services and Combatant Commands (CCMD) in the requirements generation process for Joint materiel and non-materiel solutions in the medical and physical CBRN defense mission areas; conduct foundational studies for the combating weapons of mass destruction (CWMD) / CBRN defense community; provide support to Joint and Multi-service doctrine development, including the preparation of various Joint publications which then inform Multi-service Tactics, Techniques and Procedures (MTTPs). Continue to support CBRN/CWMD training efforts at various Joint Senior Leadership schools. Continue to support CCMD scenario development and controller/evaluator training and provide expertise to CCMD exercises. Continue to chair the CWMD Working Group to ensure synchronized Joint Capabilities Integration and Development System (JCIDS) documents are appropriately vetted and staffed prior to being brought to the Protection Functional Capabilities Board (P-FCB). Continue to chair the CBRN Support to Command and Control Sub-working Group supporting the C4Cyber Functional Capabilities Board (FCB) include the preparation and validation of Capability Development Packages and Capability Packages.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Minor change due to routine program adjustments.</p>			
<p>Title: 8) JTIWG</p> <p>FY 2023 Plans: Continue T&E Executive mission support to ensure credible testing; T&E Early Involvement; T&E Studies; evaluation and decision support for CBDP systems; support the DOT&E for OSD T&E Oversight; support the NCB in infrastructure planning; continue efforts to develop, refine, and/or streamline processes for identifying, assessing, and addressing gaps in T&E capabilities to ensure timely support to acquisition programs. Continue mission to improve the quality and reduce the costs of test planning and execution; eliminate unnecessary redundancies in test infrastructure. Continue efforts to identify and mitigate critical Test and Evaluation Gaps in order to reduce cost/test schedule impacts to near-term programs. Continue to align and streamline policies and processes to support more efficient and effective management and sustainment of test infrastructure and methodologies.</p> <p>FY 2024 Plans: Continue Test and Evaluation (T&E) Executive mission support to ensure credible testing; T&E Early Involvement; T&E Studies; evaluation and decision support for CBDP systems; support the Director of Operational T&E (DOT&E) for OSD T&E Oversight; support the NCB in infrastructure planning; continue efforts to develop, refine, and/or streamline processes for identifying, assessing, and addressing gaps in T&E capabilities to ensure timely support to acquisition programs. Continue mission to improve the quality and reduce the costs of test planning and execution; eliminate unnecessary redundancies in</p>	5.664	5.831	6.286

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Chemical and Biological Defense Program		Date: March 2023
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605384BP / <i>Chemical and Biological Defense Program</i>	Project (Number/Name) MS6 / <i>Management Support (Mgmt Support)</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
<p>test infrastructure. Continue efforts to identify and mitigate critical T&E capability gaps in order to reduce cost/test schedule impacts to near-term programs. Continue aligning and streamlining policies and processes to support more efficient and effective management and sustainment of test infrastructure and methodologies.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Minor change due to routine program adjustments.</p>			
<p>Title: 9) OSD MGT</p> <p>FY 2023 Plans: Funds will continue performing program oversight/reviews/assessments, leading PPBE processes, and supporting strategic and Congressional engagements. Funds Defense Finance and Accounting Service transactions and direct support. Continues to support financial management and audit functions for the CBDP Enterprise including all aspects of accounting; financial statements; reconciliation of budgetary and proprietary accounts, processing of commitments and obligations; financial accounting compliance; funds management and control; management of the Managers' Internal Control Program and financial systems integration and coordination.</p> <p>FY 2024 Plans: Funds continue performing program reviews/assessments, providing planning, programming, budgeting, and execution (PPBE) oversight/analysis, and providing Congressional issue analysis and support. Supporting financial management services provided by the Defense Threat Reduction Agency (DTRA), such as funding distribution and execution reporting. Continue to provide the CBDP Enterprise all aspects of accounting; financial statements; reconciliation of budgetary and proprietary accounts, processing of commitments and obligations; financial accounting compliance; funds management and control; management of the Managers' Internal Control Program and financial systems integration and coordination.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increased support for strategic high priority efforts.</p>	13.698	15.565	18.001
<p>Title: 10) PAIO MGT</p> <p>FY 2023 Plans: Funds will continue to analyze and evaluate CWMD defense plans, programs, and budgets in relation to U.S. defense objectives, projected threats, allied contributions, estimated costs, and resource constraints. Review, analyze, and evaluate CWMD defense programs for execution of approved strategies and policies. Promote improved analytical skills and competencies, tools, data, and methods for analyzing CWMD defense planning and the allocation of resources. Ensure that the costs/budget justification for</p>	7.890	8.592	9.692

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Chemical and Biological Defense Program		Date: March 2023
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605384BP / <i>Chemical and Biological Defense Program</i>	Project (Number/Name) MS6 / <i>Management Support (Mgmt Support)</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024
<p>CWMD defense programs are presented accurately and completely. Provide independent analytic advice and evaluate alternative policies to ensure that CWMD defense programs can be implemented.</p> <p>FY 2024 Plans: Funds will continue to analyze and evaluate CWMD defense plans, programs, and budgets in relation to U.S. defense objectives, projected threats, allied contributions, estimated costs, and resource constraints. Review, analyze, and evaluate CWMD defense programs for execution of approved strategies and policies. Promote improved analytical skills and competencies, tools, data, and methods for analyzing CWMD defense planning and the allocation of resources. Ensure that the costs/budget justification for CWMD defense programs are presented accurately and completely. Provide independent analytic advice and evaluate alternative policies to ensure that CWMD defense programs can be implemented.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Increase due to change in program/project technical parameters.</p>			
<p>Title: 11) WB-ENBD</p> <p>Description: This effort will focus on Biodefense and Biosafety Expertise & Technology Protection & Supply Chain Risk Management (Biosecurity)</p> <p>FY 2023 Plans: Supported CBDP biosafety and biosecurity (biorisk) priorities through biosafety personnel retention and development, biorisk research to close gaps in scientific knowledge to facilitate validation of DoD biological agent procedures and protocols, and tools to manage and ensure DoD biorisk. Implementing an enduring capability to surveil, address threats, and mitigate risks related to the CBDP supply chain, its cybersecurity, protection of intellectual property, and information security.</p> <p>FY 2024 Plans: Support CBDP biosafety and biosecurity (biorisk) priorities through biosafety personnel retention and development, biorisk research to close gaps in scientific knowledge to facilitate validation of DoD biological agent procedures and protocols, and tools to manage and ensure DoD biorisk. Continue implementing an enduring capability to surveil, address threats, and mitigate risks related to the CBDP supply chain, its cybersecurity, protection of intellectual property, and information security.</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Minor change due to routine program adjustments.</p>	-	6.358	7.000
Accomplishments/Planned Programs Subtotals	41.950	52.855	64.092

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

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Chemical and Biological Defense Program		Date: March 2023
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605384BP / <i>Chemical and Biological Defense Program</i>	Project (Number/Name) MS6 / <i>Management Support (Mgmt Support)</i>

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

Remarks

D. Acquisition Strategy

N/A

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Chemical and Biological Defense Program **Date:** March 2023

Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605384BP / <i>Chemical and Biological Defense Program</i>	Project (Number/Name) DT6 / <i>Joint Doctrine And Training Support (Mgmt Support)</i>
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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
DT6: <i>Joint Doctrine And Training Support (Mgmt Support)</i>	-	0.836	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.836
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Joint Doctrine and Training Support Research, Development, Test, and Evaluation (RDT&E) Management Support Project provides the Joint Requirements Office for Chemical, Biological, Radiological and Nuclear Defense (JRO-CBRND) Training and Leader Education program directly supporting the Chemical Biological Defense Program (CBDP). In FY2023, the CBDP RDT&E Projects have been restructured to align to the CBDP Portfolio. DT6 efforts in FY2022 progress to the Management Support (MS6) portfolio. This restructuring is intended to provide standardization and alignment across CBDP research, development and acquisition efforts.

Efforts included in this Project are:

- (1) Joint Requirements Office Doctrine and Training (JRO DT) ****Progresses to MS6 in FY2023****

JRO DT develops Joint Chemical, Biological, Radiological, and Nuclear (CBRN) defense capability requirements and the improvement of CBRN defense related education and training at the Joint and Service levels. This requirement provides technical and subject matter expert support in the areas of CBRN Defense (CBRND) and Countering Weapons of Mass Destruction (CWMD). Joint and Service training, leadership development, and education includes: (1) The CBDP Joint Senior Leader Course (JSLC) and (2) Assistance in correcting training and doctrine deficiencies covered in the lessons learned process, combat operations, capability development studies and Department of Defense Inspector General (DoDIG) and Government Accountability Office (GAO) reports. Provide contract support to the CBDP-directed Graduate Fellowship Program in CBRN/CWMD Studies.

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

	FY 2022	FY 2023	FY 2024
Title: 1) JRO DT	0.836	-	-
Description: Supports Joint Doctrine, Training, Leader Development & Education.			
Accomplishments/Planned Programs Subtotals	0.836	-	-

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

N/A

Remarks

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Chemical and Biological Defense Program		Date: March 2023
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605384BP / <i>Chemical and Biological Defense Program</i>	Project (Number/Name) DT6 / <i>Joint Doctrine And Training Support (Mgmt Support)</i>

D. Acquisition Strategy

N/A

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Chemical and Biological Defense Program **Date:** March 2023

Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605384BP / <i>Chemical and Biological Defense Program</i>	Project (Number/Name) O49 / <i>Joint Concept Development (Mgmt Support)</i>
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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
O49: <i>Joint Concept Development (Mgmt Support)</i>	-	1.214	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.214
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

The Joint Concept Development Research, Development, Test, and Evaluation (RDT&E) Management Support Project supports the Joint Requirements Office and the Chairman's Risk Assessment Process by producing, coordinating, & executing Chemical, Biological, Radiological, and Nuclear (CBRN) defense studies, experiments, analyses, and architecture, in order to develop future operational concepts and support the efficient and effective generation of CBRN requirements. In FY2023, the CBDP RDT&E Projects have been restructured to align to the CBDP Portfolio. O49 efforts in FY2022 progress to the Management Support (MS6) portfolio. This restructuring is intended to provide standardization and alignment across CBDP research, development and acquisition efforts.

Efforts included in this Project are:

(1) Joint Concepts, Studies, and Analyses (JCSA) **Progresses to MS6 in FY2023**

JCSA provides specific lines of effort to include: qualitatively characterizing emerging CBRN threats and operational risks to the Joint Force; conducting innovative approaches to deal with technical studies; analyzing Concepts of Operations (CONOPS) for employing and developing capabilities; and analyzing specific issues as part of program development.

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

	FY 2022	FY 2023	FY 2024
Title: 1) JCSA	1.214	-	-
Description: Support to JCSA			
Accomplishments/Planned Programs Subtotals	1.214	-	-

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

N/A

Remarks

D. Acquisition Strategy

N/A