

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2021 Defense Logistics Agency **Date:** February 2020

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0708012S / <i>Pacific Disaster Center</i>
---------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------

COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
Total Program Element	9.198	1.705	1.705	1.785	-	1.785	1.821	1.856	1.889	1.889	Continuing	Continuing
03: <i>Pacific Disaster Center</i>	9.198	1.705	1.705	1.785	-	1.785	1.821	1.856	1.889	1.889	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Pacific Disaster Center (PDC) has been in operation since February 1996. The PDC is a public/private partnership managed by the University of Hawaii (UH) under a cooperative agreement with the Department of Defense. It is functionally within the organization of the Office of the Under Secretary of Defense (Acquisition and Sustainment) (OUSD(A&S)) and the Defense Logistics Agency (DLA). The PDC is a world-recognized authority and leader in science and information technology applications relating to humanitarian assistance and disaster relief (HA/DR). PDC develops new and innovative technologies to operate an (unclassified) integrated multi-hazard monitoring, early warning and decision support system, called RAPIDS, for the Department.

B. Program Change Summary (\$ in Millions)	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Previous President's Budget	1.705	1.770	1.785	-	1.785
Current President's Budget	1.705	1.705	1.785	-	1.785
Total Adjustments	0.000	-0.065	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-0.065			

Change Summary Explanation

FY2020, the Small Business Innovation Research and Small Technology Transfer Research tax amounted to \$0.065 million

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2021 Defense Logistics Agency										Date: February 2020		
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 0708012S / <i>Pacific Disaster Center</i>				Project (Number/Name) 03 / <i>Pacific Disaster Center</i>			
COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
03: <i>Pacific Disaster Center</i>	9.198	1.705	1.705	1.785	-	1.785	1.821	1.856	1.889	1.889	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Pacific Disaster Center (PDC) has been in operation since February 1996. The PDC is a public/private partnership managed by the University of Hawaii (UH) under a cooperative agreement with the Department of Defense. It is functionally within the organization of the OUSD(AT&L) and the DLA. The PDC is a world-recognized authority and leader in science and information technology applications relating to Humanitarian Assistance and Disaster Relief (HA/DR). It has developed innovative technologies, and has provided operational support for an (unclassified) integrated multi-hazard hazard monitoring, early warning and decision support system, called RAPIDS, for the department since 2007. The system, covering global hazard is frequently used by COCOMS, particularly PACOM and SOUTHCOM, for HA/DR missions and exercises, and was recently selected as one of the most effective systems in a position paper by the department, reviewing all unclassified information sharing systems. "Expanded use of RAPIDS across the DoD at the Combatant Commands, Joint Task Force, and by deployed units from the services" was identified as "a primary Joint Staff objective" in a memorandum dated July 6, 2017.

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

	FY 2019	FY 2020	FY 2021
Title: Pacific Disaster Center (PDC)	1.705	1.705	1.785
Description: The USD(P) will continue to be the Operational Sponsor and functional OSD Principal Staff Assistant (PSA) for the program. USD(A&S) will provide acquisition oversight authority for the program.			
The PDC has been in operation since February 1996. The PDC is a public/private partnership managed by the University of Hawaii (UH) under a cooperative agreement with the Department of Defense. The Pacific Disaster Center (PDC) function, manpower, and budget resources transferred to the Office of the Under Secretary of Defense (Acquisition and Sustainment) (OUSD(A&S)) and the Defense Logistics Agency (DLA) in October 2011.			
The USD(P) will continue to be the Operational Sponsor and functional OSD Principal Staff Assistant (PSA) for the program. The PDC is a world-recognized authority and leader in science and information technology applications relating to humanitarian assistance and disaster relief (HA/DR). PDC's applications and information products enhance preparedness, situational awareness, and civil-military communications for humanitarian missions worldwide, while its national-level socio-economic Risk and Vulnerability Assessments help inform strategies by measuring indicators for national resiliency using scientific methods.			
The PDC Program Office's (USD(P),ASD(HD&GS), and DASD(DC&MA)) primary responsibility is for management and stewardship of governmental funds provided in Defense Department appropriations for DoD missions associated with DoD CrM, HA/DR, Theater Security Cooperation, and Defense Support to Civil Authorities (DSCA). In doing this, the Program Office develops and provides policy, oversight and guidance, and jointly develops strategic guidelines, programmatic content and			

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2021 Defense Logistics Agency	Date: February 2020
----------------------------------------------------------------------------------------	----------------------------

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0708012S / <i>Pacific Disaster Center</i>	Project (Number/Name) 03 / <i>Pacific Disaster Center</i>
--------------------------------------------------	------------------------------------------------------------------------------------------	---------------------------------------------------------------------

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2019	FY 2020	FY 2021
<p>priorities with the UH and PDC. The PDC Program Office also serves as a support element of the Hawaii-based organization especially in the area of gaining Federal agency support and resources, as well as business opportunities.</p> <p>FY 2020 Plans: The following 2020 projects and activities are designed to enhance the Center's applications and applied research enhancing operational readiness and analytical capabilities for the DoD and Stakeholders. - Situational Awareness & Decision Support Applications and Tools. Develop and enhance DisasterAWARE platform, and related applications, and tools that directly support operational readiness for effective multi-hazard early warning, monitoring, and evidence-based decision support functions. - Automation and Modeling for Disaster Monitoring, Warning, Exposure & Impact. Enhance automation and modeling services supporting comprehensive and integrated multi-hazard monitoring, situational awareness, notification/warning, exposure estimation, and impact modeling and assessments. - Analytics and Anticipatory Sciences. Advance analytical capabilities to better understand and project (or estimate) severity of impacts to population by characterizing the socio-economic, political, health, cultural, and environmental factors that are influencing risk and resilience to support more effective decision-making. - Disaster Response, Exercise Plan and Training Services. Provide direct 24/7 operational support to DoD, the interagency and other stakeholders before, during, and after disasters. - Data Management Services. Manage and maintain the most robust global data sets and related services to directly support DoD in meeting their interagency support requirements. - Partner Engagement and Liaison Services. Improve operational efficacy and efficiency of key DoD stakeholders DoD stakeholders by assisting in utilization and institutionalization of PDC's risk reduction expertise into their operations. - Cybersecurity and IT Infrastructure Services. Manage, administer, and maintain PDCs internal and external cyber infrastructure (including all computers, networks, systems, and applications) and provide a highly-available and secure computing and communication systems required for delivering reliable services and products to the stakeholders and the clients.</p> <p>FY 2021 Plans: Continue FY2020 operations.</p> <p>FY 2020 to FY 2021 Increase/Decrease Statement: No significant change.</p>			
Accomplishments/Planned Programs Subtotals	1.705	1.705	1.785

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

Remarks

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2021 Defense Logistics Agency **Date:** February 2020

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0708012S / <i>Pacific Disaster Center</i>	Project (Number/Name) 03 / <i>Pacific Disaster Center</i>
--------------------------------------------------	------------------------------------------------------------------------------------------	---------------------------------------------------------------------

D. Acquisition Strategy

PDC projects beyond the baseline Situational Awareness & Decision Support Applications/Tools architecture (Atlas/EMOPS/RAPIDS) undertaken in support of the DoD Cooperative Agreement (CA) with the University of Hawaii (UH) are from PDC customers (e.g., DoD, NGOs, other nations, academia, and industry). The PDC prepares the public, disaster managers, governments, and others to mitigate the effects of disasters. The goal is to have people and technology work together to preserve life, safeguard livelihoods, protect property to foster disaster-resilient communicates. Projects obtained and funded from this customer base serve as a means to determine PDC product and services relevancy.

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2021 Defense Logistics Agency **Date:** February 2020

Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0708012S / <i>Pacific Disaster Center</i>	Project (Number/Name) 03 / <i>Pacific Disaster Center</i>
--------------------------------------------------	------------------------------------------------------------------------------------------	---------------------------------------------------------------------

FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Pacific Disaster Center

<i>Pacific Disaster Center (PDC)</i>	
--------------------------------------	--