



Research Projects: Transactions Other Than Contracts and Grants

Report to Congress
March 8, 2023



U.S. Coast Guard

Foreword

March 8, 2023

I am pleased to present the following report, Research Projects: Transactions Other Than Contracts and Grants, which has been prepared by the U.S. Coast Guard.

Section 719(g) of title 14, U.S. Code, directs the submission of a report on transactions, other than contracts, cooperative agreements, and grants, in carrying out basic, applied, and advanced research projects.

Pursuant to Congressional requirements, this report is being provided to the following members of Congress:

The Honorable Maria Cantwell
Chair, Senate Committee on Commerce, Science, and Transportation

The Honorable Ted Cruz
Ranking Member, Senate Committee on Commerce, Science, and Transportation

The Honorable Sam Graves
Chairman, House Committee on Transportation and Infrastructure

The Honorable Rick Larsen
Ranking Member, House Committee on Transportation and Infrastructure.

I am pleased to answer any questions you may have, or your staff may contact my Senate Liaison Office at (202) 224-2913 or House Liaison Office at (202) 225-4775.

Sincerely,



Linda L. Fagan
Admiral, U.S. Coast Guard
Commandant





Research Projects: Transactions Other Than Contracts and Grants

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I. Legislative Language

This report responds to the language set forth in Section 719(g) of Title 14, U.S. Code, which requires:

14 USC § 719(g) RESEARCH PROJECTS; TRANSACTIONS OTHER THAN CONTRACTS AND GRANTS

(g) Annual Report. —On the date on which the President submits to Congress a budget pursuant to section 1105 of title 31, the Commandant shall submit to the Committees on Appropriations and Transportation and Infrastructure of the House of Representatives and the Committees on Appropriations and Commerce, Science, and Transportation of the Senate a report describing each use of the authority provided under this section during the most recently completed fiscal year, including details of each use consisting of—

- (1) the amount of each transaction;
- (2) the entities or organizations involved;
- (3) the product or service received;
- (4) the research project for which the product or service was required; and
- (5) the extent of the cost sharing among Federal Government and non-Federal sources.

II. Report

Table 1 includes all transactions other than contracts, cooperative agreements, and grants carrying out basic, applied, and advanced research projects for the Coast Guard's Research and Development program.

Table 1: Research Projects Transactions Other than Contracts and Grants

Research Project Title	Entities/Organizations Involved	Transaction Amount	Cost Sharing Federal Government and non-Federal sources	Product/Service Received
Wireless Crew Communications – Three prototype awards	Department of Homeland Security (DHS), Defense Innovation Unit (DIU), U.S. Coast Guard	Transaction #1 \$129,314	Coast Guard funding (from DHS interagency agreement): \$260,000 DIU funding: \$131,569	This effort evaluates communications technology to improve boat crew teams' ability to freely communicate in a high noise and dynamic environment with unrestricted movement throughout the vessel. Most Coast Guard boats are limited by installed wired or handheld communication devices which can create challenges for surface crews during higher-risk operations and training. Three projects were awarded in 4 th Quarter FY 2022 and systems are undergoing a series of evaluations to determine if the products can meet Coast Guard requirements. Results are expected in Spring 2023.
		Transaction #2 \$178,426		
		Transaction #3 \$83,829		
Unmanned Surface Vessel (Saildrone)	U.S. Coast Guard DIU	\$463,500	None - Coast Guard funded	Saildrone "Voyager" is an autonomous surface vessel designed to provide continuous maritime domain awareness. The Voyager is equipped with a 360-degree camera, commercial radar, and a power generator to support the electronic systems. The Voyager uses embedded artificial intelligence to send near real-time contact detections to the user via satellite connection. The data collected informs Coast Guard tactical and strategic intelligence elements with persistent maritime domain awareness. This funding is for one contractor-owned, contractor-operated Voyager for 90 days of operations.
Total obligations		\$855,069		

Appendix: Abbreviations

Abbreviations	Definition
DHS	Department of Homeland Security
DIU	Defense Innovation Unit
FY	Fiscal Year