NRL FY 19_20 Long Range Acquisition Forecast

	Requirement Description								
Contracting Office	**Requirement Title**	**Requirements Description**	**Anticipated NAICS Code**	**Anticipated PSC**	**Follow On or New**	**Associated Program**	**Contract Number (Existing Contract) or ID Number (New effort)**	**Anticipated Total Value (Including Options)**	**Anticipated Award Date (Qtr/FY)**
N00173 - NAVAL RESEARCH LABORATORY	***Warfighter Performance Support Services***	***Programmatic, Technical, Administrative, Business and Financial Support Services***	***541330_Engineering Services_$14M_***	***R425_ENGINEERING AND TECHNICAL SERVICES***	***Follow On Requirement***	***Not Applicable***	***N00014-17-C-XXXX***	***$10M - $49.99M***	***QTR 4/FY19***
N00173 - NAVAL RESEARCH LABORATORY	NRL Postdoctoral Fellowship Program with National Academy of Sciences/National Research Council	The Naval Research Laboratory is seeking proposals that provide for recruitment, evaluation, and selection (in collaboration with NRL) of Post-Doctoral Research Associates/Fellows (Scientists and/or Engineers) of exceptional promise and ability who will be given the opportunity to pursue research opportunities, largely of their own choosing, that are compatible with the announced research interests of the Naval Research Laboratory. In collaboration with the Naval Research Laboratory, offerors will be required to provide administrative support that involves acting as the liaison between the participating post-docs and the Government facility at which they are assigned to perform their proposed research. Administrative support functions include payment of stipends, travel, etc. and facilitating the assignments of the selected candidates. A cooperative agreement is the funding agreement that will be awarded to successful offerors. This cooperative agreement will have an ordering period of 1 January 2021 through 31 December 2025. All offers must have both an offer and a tenure date of no later than 31 December 2024. The last ordering year (1 January 2025 through 31 December 2025) will be necessary to carry out the administrative tasks still required by the fellows who are retained through the agreement completion date.	TBD	TBD	Follow On Requirement	None	N00173-17-2-C002	$50M - $99.99M	
N00173 - NAVAL RESEARCH LABORATORY	NRL Postdoctoral Fellowship Program - American Society for Engineering Education (ASEE)	The Naval Research Laboratory is seeking proposals that provide for recruitment, evaluation, and selection (in collaboration with NRL) of Post-Doctoral Research Associates/Fellows (Scientists and/or Engineers) of exceptional promise and ability who will be given the opportunity to pursue research opportunities, largely of their own choosing, that are compatible with the announced research interests of the Naval Research Laboratory. In collaboration with the Naval Research Laboratory, offerors will be required to provide administrative support that involves acting as the liaison between the participating post-docs and the Government facility at which they are assigned to perform their proposed research. Administrative support functions include payment of stipends, travel, etc. and facilitating the assignments of the selected candidates. A cooperative agreement is the funding agreement that will be awarded to successful offerors. This cooperative agreement will have an ordering period of 1 January 2021 through 31 December 2025. All offers must have both an offer and a tenure date of no later than 31 December 2024. The last ordering year (1 January 2025 through 31 December 2025) will be necessary to carry out the administrative tasks still required by the fellows who are retained through the agreement completion date.	TBD	TBD	Follow On Requirement	None	N00173-17-2-C004	$10M - $49.99M	
N00173 - NAVAL RESEARCH LABORATORY	Transportation Contract	The contract provides management labor, tools, materials, supplies, equipment and transportation to accomplish management, operation, maintenance and repair of transportation equipment.	561210_Facilities Support Services_$35.5M_	V002_MOTOR POOL OPERATIONS	Follow On Requirement	None	N00173-18-D-2008/N00173-18-F-2046	$650K - $4.99M	QTR 3/FY19
N00173 - NAVAL RESEARCH LABORATORY	Human Systems Integration	The Naval Research Laboratory (NRL) has a requirement for scientific and engineering support for Research and Development (R&D) to develop more effective information systems in support of Human Systems Integration. Human Systems Integration (HSI) is the term that describes the approach for addressing the role of humans in information systems within the disciplined context of systems engineering.It embraces the integration of the human element with other components of the system. The result of this integration is a system that is easier to use (user friendly), safer to use (hazard free), easier to learn(intuitive), easier to fix (maintainable), and more affordable over its life-cycle	TBD	TBD	New Requirement	NONE	N/A	$10M - $49.99M	QTR 1/FY19
N00173 - NAVAL RESEARCH LABORATORY	Advanced Secure Information Processing	Advanced Secure Information Processing is term that describes the approach for addressing the role of emerging computing paradigms in developing more effective information systems to support mission needs. It embraces the integration of the advanced computing platforms and paradigms, including Internet of Things (IoT), mobility, and security from inception with other components to create more effective, high performance systems that sense, discover, process, and disseminate information in support of military decision-making.	TBD	TBD	New Requirement	NONE	N/A	$10M - $49.99M	QTR 1/FY19
N00173 - NAVAL RESEARCH LABORATORY	Optical Techniques, Devices and Measurements	This effort is to aid Naval Research Laboratory (NRL) to carry out a variety of research, development, and applications-oriented activities in the generation of optic/fiber-optic sensing systems, integrated optics, communication systems, platform protection systems, threat materials characterization and threat surrogates development. The research, both theoretical and experimental, is concerned with discovering and understanding the basic principles and mechanisms involved in optical devices, materials and phenomena.	TBD	AG91_R&D- ENERGY: OTHER (BASIC RESEARCH)	Follow On Requirement	None	N00173-14-D-2023	$650K - $4.99M	QTR 3/FY19
N00173 - NAVAL RESEARCH LABORATORY	Optical Techniques, Devices and Measurements	This effort is to aid Naval Research Laboratory (NRL) to carry out a variety of research, development, and applications-oriented activities in the generation of optic/fiber-optic sensing systems, integrated optics, communication systems, platform protection systems, threat materials characterization and threat surrogates development. The research, both theoretical and experimental, is concerned with discovering and understanding the basic principles and mechanisms involved in optical devices, materials and phenomena.	TBD	AG91_R&D- ENERGY: OTHER (BASIC RESEARCH)	Follow On Requirement	None	N00173-14-D-2024	$5M - $9.99M	QTR 3/FY19
N00173 - NAVAL RESEARCH LABORATORY	Intelligence, Surveillance, and Reconnaissance Systems (ISRS)	This effort is for exploitation software and advanced sensor and processing technologies including digital cameras, processing, compression and control, analog systems, power, communications, command and telemetry, radio frequency/optical sensor payloads and electromechanical systems/support.	TBD	AJ43_R&D- GENERAL SCIENCE/TECHNOLOGY: ENGINEERING (ADVANCED DEVELOPMENT)	Follow On Requirement	None	N00173-12-D-2004	$10M - $49.99M	QTR 3/FY19
N00173 - NAVAL RESEARCH LABORATORY	Research & Development in EO and IR for Advanced Reconnaissance and Electronic Warfare Prototypes for Tactical Aircraft	This effort is for R&D in the following areas: Alternatives Analysis (AA) Assessment of VIS/EO/IR Component Technology Capabilities for improving EW and ISR Systems, VIS/EO/IR Component Technology Capabilities Verification. Validation for EW and IST systems, development, test and evaluation of Prototype VIS/EO.IR Systems/Components, Navy/DoDAF Acquisition Management and Program Support	TBD	AJ13_R&D- GENERAL SCIENCE/TECHNOLOGY: PHYSICAL SCIENCES (ADVANCED DEVELOPMENT)	Follow On Requirement	None	N00173-14-C-6003	$10M - $49.99M	QTR 3/FY19
N00173 - NAVAL RESEARCH LABORATORY	Optical Material R&D	OPTICAL SCIENCE AND OPTICAL MATERIAL RESEARCH	TBD	AJ13_PHYSICAL SCIENCES (ADVANCED)	Follow On Requirement	None	N00173-17-F-6311	$5M - $9.99M	QTR 4/FY19
N00173 - NAVAL RESEARCH LABORATORY	Development, Testing and Assessment of Advanced Electro-Optic/Infrared (EO/IR) Aircraft Self-Protection Systems and Advanced intelligence, Surveillance, Reconnaissance (ISR) Systems	This effort is to System Assessments and Requirements Analysis, Development of new ISR, UVCM/IRCM and EO/UV/IR Sensor System Concepts and Implementation Plans	TBD	AJ13_R&D- GENERAL SCIENCE/TECHNOLOGY: PHYSICAL SCIENCES (ADVANCED DEVELOPMENT)	Follow On Requirement	None	N00173-16-D-6001	$10M - $49.99M	QTR 3/FY19
N00173 - NAVAL RESEARCH LABORATORY	It support for Code 5600	IT support for code 5600	TBD	D318_IT AND TELECOM- INTEGRATED HARDWARE/SOFTWARE/SERVICES SOLUTIONS, PREDOMINANTLY SERVICES	New Requirement	None	TBD	$650K - $4.99M	QTR 4/FY19
N00173 - NAVAL RESEARCH LABORATORY	R&D Support for the NRL Plasma Physics Division	Support the Laser Plasma Branch in the areas of experimental and theoretical physics, numerical simulations, and the design and development of advanced high energy lasers.	TBD	AG91_R&D- ENERGY: OTHER (BASIC RESEARCH)	Follow On Requirement	None	N00173-14-D-2014	$10M - $49.99M	QTR 3/FY19
N00173 - NAVAL RESEARCH LABORATORY	Gamble III generator	This is a procurement for design, fabrication, and delivery of a 2 MV, 1 MA, 70-ns pulsed-power generator.	541330_Engineering Services_$14M_	6115_GENERATORS & GENERATOR SETS ELECT	New Requirement	CTEIP	TBD	$5M - $9.99M	QTR 4/FY19
N00173 - NAVAL RESEARCH LABORATORY	Cloud Storage	This requirement provides Cloud services to include virtual machines, storage, network bandwidth and IP management.	518210_Data Processing, Hosting, and Related Services_$30M	D305_IT AND TELECOM- TELEPROCESSING, TIMESHARE, AND CLOUD COMPUTING	New Requirement	None	N00173-17-P-2038	$650K - $4.99M	
N00173 - NAVAL RESEARCH LABORATORY	Research and Development for Tactical and Strategic Mine Warfare Applications and Databases	Numerical weather prediction R&D	TBD	AD24_R&D- DEFENSE OTHER: SERVICES (ENGINEERING DEVELOPMENT)	Follow On Requirement	None	N00173-16-F-6401	$5M - $9.99M	

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N00173 - NAVAL RESEARCH LABORATORY	Advanced Computer Vision Capabilities	NRL Code 7400 requires advanced Computer Vision capabilities be integrated into their current software supporting NGA. The Progeny Systems capability SPOTR is such an advanced Computer Vision capability developed in SBIR Phase 1 and 2 projects. SPOTR has unique entity recognition technology that is proven to have higher precision and recall in identification and classification tasks. NRL intends to award a SBIR Phase 3 to Progeny to commercialize the SPOTR capability and integrate it into existing transitioned systems currently used by NGA. Specifically, SPOTR will be used to add entity identification and classification capabilities to NRL's Notice to Mariners (NtM) Scraping capability used by NGA Maritime and NRL's image processing pipeline used in multiple departments within NGA (NGA Maritime, NGA Aero, NGA Source, and NRA Technology).	TBD	AD24_R&D- DEFENSE OTHER: SERVICES (ENGINEERING DEVELOPMENT)	New Requirement	None	TBD	$5M - $9.99M	QTR 1/FY19
N00173 - NAVAL RESEARCH LABORATORY	Numerical Weather Prediction	This effort is to provide NRL MMD with classified and unclassified global and mesoscale modeling, data assimilation (DA) and satellite data and imagery; and modeling and simulation (M&S) and warfighter applications research efforts and transitions to operational customers	TBD	AJ32_R&D- GENERAL SCIENCE/TECHNOLOGY: ENVIRONMENTAL SCIENCES (APPLIED RESEARCH/EXPLORATORY DEVELOPMENT)	Follow On Requirement	None	N00173-18-R-LL01	$10M - $49.99M	QTR 1/FY19
N00173 - NAVAL RESEARCH LABORATORY	Engineering and Scientific support for experimental design, development and analysis	Technical support is needed for the design, fabrication, assembly, testing, and calibration of experiments, scientific instrument structures, components, subsystems, support equipment, and related field operations. Tasks include computer modeling, experiment design, data analysis, instrument packaging, payload testing, and field deployments. Furthermore, technical expertise is required for the analysis of data obtained from these investigations. New computer programs must be written and existing software must be modified and documented.	TBD	AJ12_R&D-PHYSICAL SCIENCE-A RES/EXPL DEV	Follow On Requirement	None	N00173-14-C2027	$10M - $49.99M	QTR 4/FY19
N00173 - NAVAL RESEARCH LABORATORY	Space Science Information Technology and Software Development	Management, evaluation, procurement, system integration, software development, scientific programming, maintenance, training, and testing associated with all resources supported by the SSD information systems administration activity that is organizationally located within the SSD Administrative Office and within the SSD branches.	TBD	AR22_R&D- SPACE: SCIENCE/APPLICATIONS (APPLIED RESEARCH/EXPLORATORY DEVELOPMENT)	Follow On Requirement	None	N00173-18-C-6008	$5M - $9.99M	QTR 2/FY19
N00173 - NAVAL RESEARCH LABORATORY	C4ISR development for Maritime and Cyber data and Information Security	This effort is to provide advanced capabilities to the NAVY, DoD and IC for multi-domain (Land, Air, Sea, Space) awareness and advanced capabilities using large data analytics and provide a secure cyber environment for operations of the developed systems.	TBD	AR23_R&D- SPACE: SCIENCE/APPLICATIONS (ADVANCED DEVELOPMENT)	Follow On Requirement	NONE	N00173-15-F-2002	$10M - $49.99M	QTR 2/FY19
N00173 - NAVAL RESEARCH LABORATORY	Software Defined Systems (SDS)	SSDD is currently involved in the concept definition and design phases on various advanced concepts studies and projects which will evolve into future space, aerospace and tactical C4ISR systems. Development responsibilities extend across the entire space/ground spectrum of hardware, software and advanced technologies including digital processing and control analog systems, power, communications, command and telemetry, radio frequency, optical, payload and electromechanical systems, as well as, systems engineering.	TBD	AJ43_R&D- GENERAL SCIENCE/TECHNOLOGY: ENGINEERING (ADVANCED DEVELOPMENT)	Follow On Requirement	NONE	N00173-15-F-6201	$10M - $49.99M	
N00173 - NAVAL RESEARCH LABORATORY	Blossom Point	Command and control	TBD	S201_HOUSEKEEPING- CUSTODIAL JANITORIAL	Follow On Requirement	NONE	N00173-14-D-2016	$10M - $49.99M	QTR 1/FY19
N00173 - NAVAL RESEARCH LABORATORY	Space Applications	This effort is in support of Atomic Clock Design, Architecture and Development, Atomic Clock Testing and Documentation, Software, Engineering and Analytical Tool Development, Electronic Equipment Design and Testing, Technical Meeting and Conference Support	TBD	AJ43_R&D- GENERAL SCIENCE/TECHNOLOGY: ENGINEERING (ADVANCED DEVELOPMENT)	Follow On Requirement	NONE	N00173-13-D-6010	$5M - $9.99M	
N00173 - NAVAL RESEARCH LABORATORY	RF Ground Terminal Systems Development and Technical Services	RF Ground Terminal Systems Design and Development in areas of atmospheric research, precise satellite calibration, and secure mobile communications.	TBD	AJ11_R&D- GENERAL SCIENCE/TECHNOLOGY: PHYSICAL SCIENCES (BASIC RESEARCH)	Follow On Requirement	NONE	N00173-17-F-6701--(See Comments)	$100M - $249.99M	QTR 4/FY19
N00173 - NAVAL RESEARCH LABORATORY	Low Frequency High Power Satellite Calibration	This requirement includes development of hardware and software to support space research into Low Frequency High Power Satellite Calibration. The work required includes scientific, engineering and technical research for the 150 foot Low Frequency High Power Antenna System located in Palo Alto, CA.	TBD	AJ43_R&D- GENERAL SCIENCE/TECHNOLOGY: ENGINEERING (ADVANCED DEVELOPMENT)	Follow On Requirement	NONE	N00173-14-C-2008	$10M - $49.99M	QTR 1/FY19
N00173 - NAVAL RESEARCH LABORATORY	Systems Development, Support and Integration (C4ISR Systems Design and Development)	This effort is to assist NRL in the research and development activities on various programs. The Space Systems Development Department (SSDD) is the space and ground support systems research and development (R&D) organization of the Naval Center for Space Technology (NCST), an organization within the U.S. Naval Research Laboratory (NRL) in Washington, DC, which is the designated lead for Navy Space Program technology development and acquisition of space, aerospace and Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) systems to assist Naval Missions.	TBD	AR23_R&D- SPACE: SCIENCE/APPLICATIONS (ADVANCED DEVELOPMENT)	Follow On Requirement	NONE	N00173-15-F-2002	$10M - $49.99M	
N00173 - NAVAL RESEARCH LABORATORY	Jamesburg Acquisitional Signal Production Emitting Radar (JASPER) for Research and Development	Research and development of hardware and software that support signal research used to support an overall space research program.	TBD	AR22_R&D- SPACE: SCIENCE/APPLICATIONS (APPLIED RESEARCH/EXPLORATORY DEVELOPMENT)	New Requirement	NONE	PR #81-4066-18	$100M - $249.99M	QTR 3/FY19
N00173 - NAVAL RESEARCH LABORATORY	PARC replacement	Research and development for highly precise (picoseconds accuracy) generated pulses that will be transmitted from large apertures	TBD	AR22_R&D- SPACE: SCIENCE/APPLICATIONS (APPLIED RESEARCH/EXPLORATORY DEVELOPMENT)	Follow On Requirement	NONE	N00173-16-F6402	$100M - $249.99M	QTR 4/FY19
N00173 - NAVAL RESEARCH LABORATORY	LTDD	Research and development in laser detection algorithms	TBD	AR22_R&D- SPACE: SCIENCE/APPLICATIONS (APPLIED RESEARCH/EXPLORATORY DEVELOPMENT)	Follow On Requirement	NONE	N/A	$650K - $4.99M	QTR 3/FY19
N00173 - NAVAL RESEARCH LABORATORY	Positioning Navigation and Timing Subject Matter Expert Support	This effort supports all aspects of position, navigation, and timing programs. Specific interests include precision time/frequency standards for both space and ground operation, electronic design of satellite onboard and ground receiving equipment, quantum electronic design of atomic frequency standards, mathematical techniques for orbit determination and prediction, computer-assisted data analysis, radio-wave propagation, computer-controlled real-time receiving systems, remote sensing, micro processing, communications, and software techniques.	TBD	AJ43_R&D- GENERAL SCIENCE/TECHNOLOGY: ENGINEERING (ADVANCED DEVELOPMENT)	Follow On Requirement	NONE	N00173-13-D-6010	$5M - $9.99M	QTR 1/FY19
N00173 - NAVAL RESEARCH LABORATORY	Cyber Secure Open Source Information and Analytics	Provide development and testing of Cyber Secure Open Source Information and Analyic requires for various Maritime Domain Awareness projects at NRL.	TBD	TBD	New Requirement	NONE	N/A	$10M - $49.99M	QTR 2/FY19
N00173 - NAVAL RESEARCH LABORATORY	Blossom Point Tracking Facility	This effort is for executing building, facility, satellite and ground command and control functions encompassing managerial, maintenance, engineering and technical requirements including supporting mission tasks.	TBD	S201_CUSTODIAL JANITORIAL SERVICES	Follow On Requirement	NONE	N00173-14-D-2016	$10M - $49.99M	QTR 1/FY19
N00173 - NAVAL RESEARCH LABORATORY	Aerospace Vehicle Engineering Analysis & Design	This effort is for engineering tasks to support the definition, development, assembly, test, and integration of aerospace platforms, structures, mechanisms and subassemblies. These services extend from mission concept and feasibility planning through Initial Operational Capability for Naval aerospace systems.	TBD	AJ43_R&D- GENERAL SCIENCE/TECHNOLOGY: ENGINEERING (ADVANCED DEVELOPMENT)	Follow On Requirement	NONE	N00173-14-D-2004	TBD	
N00173 - NAVAL RESEARCH LABORATORY	Spacecraft Engineering, Software, Research and Development	This effort is for design, development, testing, maintenance enhancement, and configuration control for all software modules related to spacecraft and spec component development/test and systems operations.	TBD	AJ43_R&D- GENERAL SCIENCE/TECHNOLOGY: ENGINEERING (ADVANCED DEVELOPMENT)	Follow On Requirement	NONE	N00173-15-D-2015	TBD	QTR 2/FY19
N00173 - NAVAL RESEARCH LABORATORY	Spacecraft Research, Development, and Engineering Services	This effort is to assist NRL in the research and development activities on various programs. Tasks include developing experimental and operational concepts, along with prototypes, to verify and validate future space systems technologies for the Navy, Department of Defense, the National Aeronautics and Space Administration (NASA), National agencies, and the private sector. Future efforts may include advanced technology demonstrations, the use, modification of commercial space systems to provide new military capabilities; orbit transfer and maintenance; satellite dispenser vehicle development; interceptor development; hyperspectral, ionospheric, and meteorological remote sensing payloads; science instrumentation; robotics and information technologies; and virtual engineering design.	TBD	AJ12_R&D- GENERAL SCIENCE/TECHNOLOGY: PHYSICAL SCIENCES (APPLIED RESEARCH/EXPLORATORY DEVELOPMENT)	Follow On Requirement	NONE	N00173-15-F-6702	$5M - $9.99M	QTR 1/FY19