

National Aeronautics and
Space Administration



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**Engineering Services and Science Capability Augmentation
(ESSCA) II**

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- ❖ **North American Industry Classification System (NAICS)**
- ❖ **Requirements Summary**
- ❖ **Current ESSCA Contract Information**
- ❖ **Acquisition Schedule**
- ❖ **Publicly Available Information**



541715 - Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)

This U.S. industry comprises establishments primarily engaged in conducting research and experimental development (except nanotechnology and biotechnology research and experimental development) in the physical, engineering, and life sciences, such as agriculture, electronics, environmental, biology, botany, computers, chemistry, food, fisheries, forests, geology, health, mathematics, medicine, oceanography, pharmacy, physics, veterinary, and other allied subjects.

Summary ESSCA II Requirements



- Services and skills are to be provided across a broad spectrum of engineering and science disciplines. These disciplines include but are not limited to:

Advanced Propulsion	Manufacturing and Assembly	Scientific Disciplines
Aero-Sciences	Materials and Processes	Structural and Mechanical
Avionics & Electrical Systems	Natural and Induced Environments	Systems Engineering
Electrical Engineering	Operability	Test Design and Operations
Flight Software and Ground Test	Optics	Thermal and Fluids
Guidance, Navigation, and Control	Propulsion Systems	

- The work will typically involve some combination of producing technical products and performing technical oversight and insight tasks, and it will cover a variety of applications such as flight and science missions as well as research and development activities.



- ▶ **Contract Number:** 80MSFC18C0011
- ▶ **Contract Title:** Engineering Services and Science Capability Augmentation (ESSCA)
- ▶ **Contractor:** Jacobs Technology, Inc.
- ▶ **Type of Competition:** Full and Open
- ▶ **Type of Contract:** IDIQ, Cost Plus Award Fee (CPAF)
- ▶ **Total Contract Value:** \$1,992,287,873 (Base and All Options Value)
- ▶ **PoP:** December 1, 2017 – November 30, 2025
comprised of a four-year base period and 2 two-year options

ESSCA I RFP Recommended Subcontracting Percentage Goals Against Total Contract Value



ESSCA RFP Recommended Subcontracting Percentage Goals	
Small Businesses (SB)	38%
Women-Owned Small Business (WOSB) Concerns	8%
Small Disadvantaged Business (SDB) Concerns	5%
Veteran-Owned Small Business (VOSB) Concerns	5%
Service-Disabled Veteran-Owned Small Business (SDVOSB) Concerns	4%
HUBZone (HBZ) Small Business Concerns	4%
Historically-Black Colleges and Universities (HBCU)/Minority Institutions (MI)	0.5%

Though NASA MSFC is still developing requirements and working acquisition strategy, significant small business participation is anticipated for ESSCA II.

- ▶ ***Sources Sought:** September 1, 2023
- ▶ **Draft RFP:** May 2024
- ▶ **Industry Day:** May 2024
- ▶ **Final RFP:** July 2024
- ▶ **Award:** July 2025

**In accordance with the Sources Sought, an Interested Vendors list has been posted to SAM.gov.*

The ESSCA II acquisition schedule will be finalized upon approval of the acquisition strategy. Updates will be provided on the MSFC Acquisition Planning Tool (APT) site (<https://doingbusiness.msfc.nasa.gov/apt/external>) and sam.gov



- [ESSCA II Acquisition Information](#) on SAM.gov
- [Acquisition Forecast](#)
- [Acquisition Planning Tool](#)
- [ESSCA Historical Acquisition Information](#) on SAM.gov
- [Marshall Core Capabilities and Services](#)

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