

Technical and Engineering Domain

This Domain includes requirements to provide specific engineering, geoscience, or other technical professional skills, such as those performed by engineers, geologists, geophysicists, and technicians, required to handle specific operating conditions and problems for the benefit of the Government. Work under this Domain typically involves the application of physical laws and principles of engineering in the design, development, and utilization of machines, materials, instruments, processes, and systems, and providing expert advice and assistance on technical functions and issues.

Technical and Engineering Domain scope areas include, but are not limited to:

- Advanced technology pilot & trials
- Alternative energy sources & engineering
- Capabilities integration & development
- Communications engineering
- Configuration management
- Concept development
- Data analytics & management
- Design documentation & technical data
- Energy services to include management planning & strategies, audit services & metering
- Engineering (aeronautical, astronomical, chemical, civil, electrical, materials, mechanical, Etc.)
- Engineering process improvement
- Environmental engineering
- Human factors/usability engineering
- Human systems integration
- Independent verification & validation
- Integration support
- Interoperability
- Life cycle management
- Mission assurance
- Modeling & simulation
- Operation & maintenance or direct support of an existing weapon system or major system
- Operational test & evaluation
- Optical engineering

- Program analysis
- Quality Assurance
- Radar engineering
- Red Teaming & wargaming
- Requirements analysis (technical)
- Risk management
- Scientific (non-R&D) analysis & support
- Software development (for IT services involving 40 USC § 11103 (a) activities)
- Surveying and mapping (except Geophysical) services
- System design & integration
- System effectiveness & analysis
- System engineering
- System safety engineering
- System security & information assurance
- System verification & validation
- Technical assessment, data management, & planning
- Technical documentation