



# Innovating in a Classified Environment

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*The National Technical Information Service (NTIS) can bring innovation involving data-related emerging technologies and solutions to further enable the protection of National Security*

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## Data Driven Innovation

The U.S. Department of Commerce's National Technical Information Service (NTIS) accelerates results across the Federal Government by leveraging data as a strategic asset to achieve mission outcomes.

As a trusted Fed-to-Fed advisor, NTIS applies its unique joint venture partnership (JVP) authority (15 U.S. Code 3704b) leveraging leading, innovative companies to help federal agencies solve their complex data challenges. Our efforts promote operational excellence through applied data science innovation in areas such as artificial intelligence, machine learning, predictive analytics and blockchain.

## The Need for Innovation in Classified Work

As a bureau within the Department of Commerce, NTIS works across the Federal Government to innovate using data-related emerging technologies to enable Federal Agencies to make better use of data in support of their mission. The emerging technologies include artificial intelligence, machine learning, natural language processing, computer vision, edge computing, business process automation, cybersecurity, and blockchain.

Given the rapidly changing nature of these enabling technologies and the malicious intentions of competitors and adversaries of the United States, Federal Agencies involved with protecting National Security are often looking for support to employ solutions using the most advanced technologies. This includes innovating to develop new capabilities to protect a combination of US defense, homeland, economic, cyber, energy and natural resources, human, and environmental security.

The rapidly changing technologies and situations facing the nation may require significantly more top-secret and secret cleared personnel having experience with these innovative technologies to work in a flexible, agile manner that meets an agency's needs. However, processing times can be lengthy and cumbersome to obtain top-secret clearance or a secret clearance. NTIS and our fully vetted Joint Venture Partners (JVP) can help fill this gap.



# The Value of the NTIS Partnership

Through the Joint Venture Partner (JVP) Authority, NTIS can help quickly innovate and extend an agency's resources. There are many benefits in accessing this government to government partnership to include:

- Access to cutting edge technology and experience
- Ability to quickly scale up and down resources
- Flexibility to create and adapt based on outcomes and needs
- Connectivity and understanding from the federal agency perspective
- Experience through the JVPs with innovating in a classified environment

The NTIS Team (NTIS and its JVPs) have the security clearances and experience in implementing innovative solutions involving data-related emerging technologies that can be leveraged by Federal Agencies to further enable the protection of National Security.

## IMPORTANT LINKS:

OUR JOINT VENTURE PARTNERS

<https://www.ntis.gov/jvplist.xhtml>

OUR FEDERAL REGISTER NOTICE

<https://www.federalregister.gov/documents/2019/12/13/2019-26891/opportunity-to-enter-into-a-joint-venture-partnership-with-the-national-technical-information>

## CONTACT US:

At NTIS, we recognize the myriad of data-centric challenges facing the Federal Government. Through the use of our joint venture authority, NTIS can help design and deliver better data outcomes that move your agency's mission forward. To learn more contact Elizabeth Shaw, Associate Director, Office of Program Development at [eshaw@ntis.gov](mailto:eshaw@ntis.gov) | 703.605.6136

# Some Areas of Application

## Digital Supply Chains

### Health

- Vaccination passports
- Telemedicine

### Elections

- Socio-political movements
- Public sentiment
- Disinformation/misinformation

### Susceptible Networks

- Telework/working on classified projects outside of Sensitive Compartmented Information Facility (SCIF)

## Physical Supply Chains

- Sourcing of raw materials
- Identifying rogue components in circuits
- Disruption of physical infrastructure (pipelines, electric grid, etc.)
- Securing the distribution of vaccines

## Online Commerce

- Securing the integrity and visibility of transactions
- Bitcoin/Cryptocurrency and other block chain technologies