

NTIS Advisory Board Meeting

June 29, 2020



UNITED STATES DEPARTMENT OF COMMERCE
National Technical Information Service



Leveraging Partnerships with Industry

Agenda

I. NTIS Mission and Operational Update	
1:00 PM	Call to Order and Introductions of Board Members <ul style="list-style-type: none">• Greg Capella, Deputy Director and DFO;• Dr. Ajit Gaddam, Advisory Board Chair
1:30 PM	Director's Update <p>Avi Bender, Director, NTIS, US Department of Commerce</p>
2:00 PM	Operations of the Service and Lines of Business Overview <ul style="list-style-type: none">• Greg Capella, Deputy Director• Elizabeth Shaw, Office of Program Development• Wayne Strickland, Office of Program Management• Dr. Chakib Chraibi, Office of Data Services• Allison McCall, Acting Chief Information Officer• Andrea Patterson, Deputy Chief Financial Officer
2:50 PM	10 minute break



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Leveraging Partnerships with Industry

Agenda (continued)

I. Discussion with Board Members	
3:00 PM	Advisory Board Discussion with NTIS <ul style="list-style-type: none">• Progress on implementing the new data mission• Guidance on the operation of the Service
4:00 PM	Review Feedback and Action Items
4:15 PM	Member Wrap Up Discussion and Public Comment
I. Meeting Adjourns 4:30 PM	



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Leveraging Partnerships with Industry

Call to Order and Introductions of Board Members

- Dr. Ajit Gaddam, Advisory Board Chair
- Mr. Aaron D. Burciaga
- Ms. Claire L. Walsh
- Ms. Diana M. Zavala



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Leveraging Partnerships with Industry

Director's Update

Avi Bender, Director NTIS



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Leveraging Partnerships with Industry

Overview

NTIS is pleased to meet with our Advisory Board to discuss our FY20 YTD accomplishments and challenges.

NTIS is enabling data driven innovation across the Federal government through its unique Joint Venture Partnership Authority.

We look forward to a discussion with our Board on several topics including :

- Strategies to achieve great customer demand
- Growth strategies, as a fee for service organization, during this global pandemic
- Extracting greater value from our NTRL



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NTIS Summary of Strategy and Business Operations YTD FY 2020

- NTIS successfully executed its Continuity of Operations Plan (COOP) in early March 2019 and operations continue today at a maximum telework status.
- NTIS FY20 YTD Revenue is at \$35.1M with a projected year end revenue of \$76.9M. Despite the global pandemic that is affecting our federal data services market, FY 20 will be our best year since the launch of NTIS 2.0 in 2016.
- NTIS has been reorganized around three business units that include our Subscription and Assistive Data Services, the Data Science Analytic Services, and the NTRL Repository Information Service.
- We now have an impactful portfolio of Joint Venture Partnership projects that are driving innovation across the Federal government.
- Our business model continues to be a Value-Add Reseller with emphasis on the Value Add. We succeed when we partner with the agency by working together to own the outcome of the customer relationship and customer demand.



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NTIS Summary of Strategy and Business Operations YTD FY 2020

- Net new business (new accounts) for NTIS in FY20 is \$0 YTD. Revenue from existing accounts and follow on work is \$35.1M YTD.
- For all new business, the NTIS is considering a revenue share increase of 10% and would like the Advisory Board input on this approach.
- NTIS headcount is now at 40 staff and this represents a 33% reduction from last year and an overall 60% reduction since FY16.
- The NTIS cloud migration, and further provisioning of our IT infrastructure in the cloud, positioned NTIS to support both its internal and customer staff during the Covid-19 outbreak and into the future. Transition to CBS (financials) is moving forward.
- Outreach efforts are very positive as we plan post Covid-19. NTIS has been selected as an ACT-IAC Ignite Innovation Finalist. The ACT-IAC, AFCEA, and ATARC have reached out to NTIS to participate with our client agencies at their high visibility virtual educational events.
- On December 13th, 2019 NTIS published a Federal Register Notice inviting new private sector partner to join NTIS.



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NTIS 

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Operations of the Service and Lines of Business Overview



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NTIS Organization

Avi Bender

Director

Greg Capella

Deputy

Allison McCall

Acting Chief Information Officer

George E. Jenkins

Chief Financial Officer

Andrea Patterson

Deputy

Chakib Chraibi

(Acting)

Associate Director, Data Services

Elizabeth Shaw

Associate Director, Program Development

Wayne Strickland

Acting Associate Director, Program
Management



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NTIS 

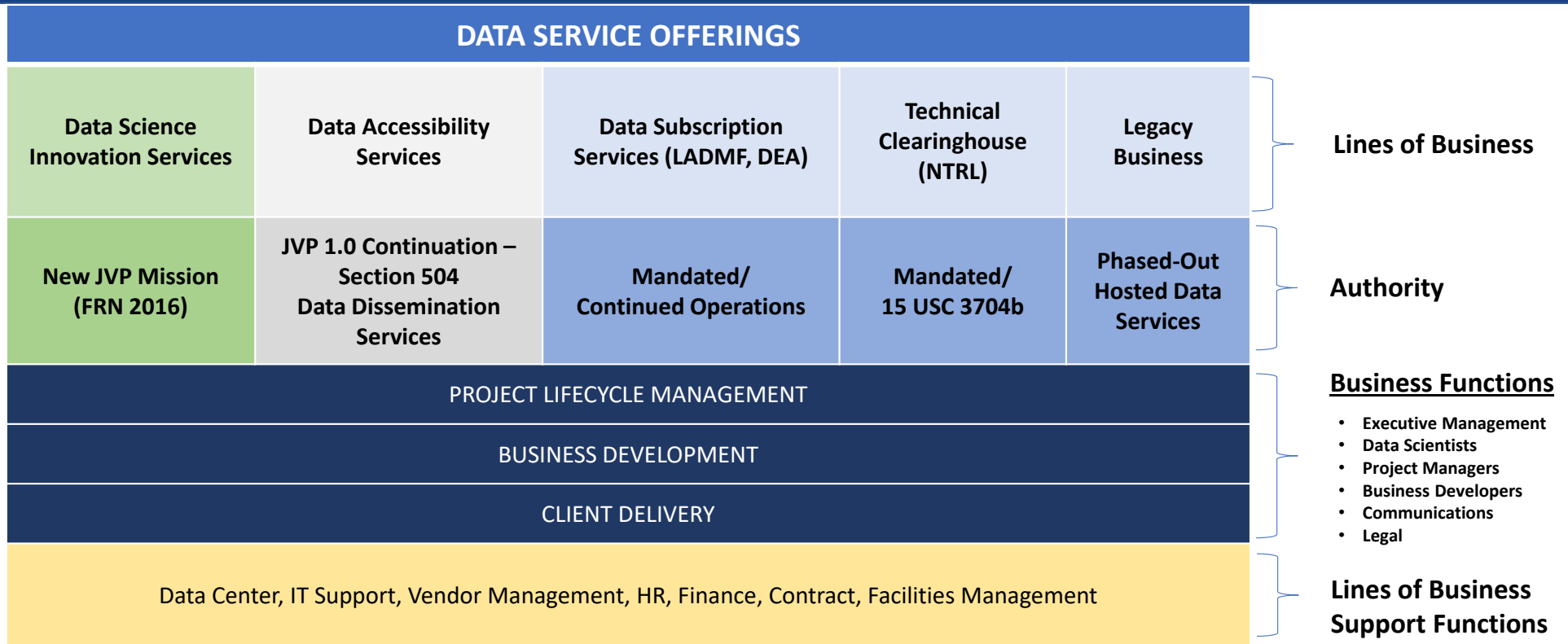
Leveraging Partnerships with Industry

NTIS Staffing Update

- NTIS offered multiple opportunities to voluntarily reduce our staff leveraging Voluntary Early Retirement Authority (VERA) and Voluntary Separation Incentive Program (VSIP) in 2018-2019
 - NTIS had significant participation in these programs and reduced staffing from 100 in September 2016, to 60 Federal Staff as of July 2019
- NTIS also worked to retrain staff to undertake new roles and offset contracted support
 - This was successful for a number of staff
- The staff reduction significantly improved the financial situation for NTIS but large operating losses still were forecast
 - After these incentives and training opportunities NTIS still had staff filling legacy roles that were no longer required or were not essential given the financial situation
- NTIS undertook a Reduction in Force (RIF) in January 2020
 - All staff that desired to be placed in new roles were placed in new roles
- NTIS new staffing level is 40 is Federal Staff



NTIS – Data Services Lines of Business



- Executive Management
- Data Scientists
- Project Managers
- Business Developers
- Communications
- Legal

Office of Program Development Team

Elizabeth Shaw

Associate Director, Office Program Development (OPD)

Patricia Gresham*

Lead, Customer Engagement Manager

- Back up to the Associate Director
- Lead on Customer relationship management and strategies;
- Lead on Share and Connect program/ Lead Gen programs,
- Principal for DHS opportunities and programs
- Lead on DoC Bureaus, USAID, SSA, Treasury relationship/opps
- Lead on OPD project development training and interim back-up support
- Advisory on the pre-sales engineering

Masood (Bobby) Khondker*

Customer Engagement Manager

- Customer Engagement Manager
- Lead for HHS/FDA/CDC, VA, DoT DoL, Defense Nuclear, Energy, EPA, FCC, USAID back-up
- Lead for Healthcare to include suicide and Opioid
- Lead for Business Dev. Processes & Intra-net site
- Lead for analysis and tracking of opportunities
- Lead for assistive technology opps and strategies

Vacant Position

Customer Engagement Manager

- DoD opportunities
- DoD PM projects
- Lead for DoD relationship/opps to include Suicide and Opioid
- Lead on Award programs
- Lead on OMB plan for NTIS
- Lead OPD support on customer workshops

Aretha Carter*

Customer Engagement Manager

- Lead on DHS, Justice, DoT, DOI, Dept of ED Bureau of Reclamation, FTC, NASA relationship/opps
- Lead on Customer Communication and Acquisition Excellent Project (or ACT-IAC innovation project)
- Lead on agency research to include RFI
- Lead on OIG and Fraud
- Back-up for customer workshops to include sales support, list, and conferences
- Back-up to Bobby's portfolio

Main Areas of Focus

Data Solutions (2.0 projects)

Data Transformation
and Accessibility

Federal Data Products

Future Innovations

* Currently, the OPD team is supporting NTIS as Program Manager for OPM, DHS PARM, and DHS NRMIC projects



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Office of Program Development

Supporting the NTIS mission by assisting with the delivery of government solutions in the 21st Century and supporting the national need for leveraging data as a strategic asset.

- Works collaboratively with Office of Data Services and Office of Program Management
- Maintain a continuous relationship with current and past customer base
- Engages with new customers through a problem-solving methodology and market research
- Assists with the development of training and awareness such as workshops and the annual ACT-IAC and AFCEA event
- Supports the three areas within the President's Management Agenda (PMA) of Information Technology Modernization; Data, Accountability and Transparency; and People and the Workforce of the Future
- Adjust strategies to support COVID-19 and supply chain related assistance



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Opportunities

Transformation Architect

Nurture Existing Relationships- Become an Extension of the Agency

- Advise and train agencies on latest innovations
- Understand the agency's vision and how NTIS data solutions can assist
- Identify and connect agencies with other agencies
- Share availability for response during COVID-19

Strengthen Opportunities

- ✓ DHS NRMCC
- ✓ DHS PARM
- ✓ OPM
- ✓ VA

Grow Within the Account

- Provide stellar customer service
- Listen to issues and provide proactive solutions
- Participate as a member of the three person team
- Ask for referrals
- Remain flexible during the pandemic offering solutions

Grow Opportunities

- ✓ USAID
- ✓ HHS
- ✓ OPM
- ✓ DOE

Identify & Reach New Accounts/Relationships

- Attend virtual events
- Participate in speaking events
- Join associations and working groups
- Research articles and news
- Share efforts and updates with other agencies

Identify Opportunities

- ✓ State AI Office
- ✓ DOE AI transformation office
- ✓ DHS COVID
- ✓ OPM DHS DOJ elections
- ✓ VA Assistive Technology



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NTIS Pipeline

FY 2020 Outreach Highlights

Agency	Lead Source	Opportunity	Pipeline Highlights
DoD	Past Relationships/Meetings/ Conferences/Cold Calls	27 Leads/Opportunities	Potential JAIC work for 2.0; FMR CDO opportunity; Suicide
DHS	Past Relationships/Meetings/ Conferences/Articles/Cold Calls	8 Leads/Opportunities	Supply chain and COVID-related; Two new PARM projects; Assistive Technology; voting
DOE	Past Relationships/Meetings/ Conferences/Articles/Cold Calls	6 Leads/Opportunities	Follow-up in existing accounts; meeting with AI and Technology Department
DoT	Past Relationships/Meetings/ Conferences/Articles/Cold Calls	15 Leads/Opportunities	Reached out to new CIO
FDA, HHS, NIH, CMS	Past Relationships/Meetings/ Conferences/Articles/Cold Calls	7 Leads/Opportunities	COVID-related opps, Suicide, Opioids and assistance with analytics, etc. in addition to other data solutions
HUD	Article/ Research	5 Leads/Opportunities	COVID-related opps and assistance with analytics, etc. in addition to other data solutions
IRS/ Treasury	Article/ Research/event meeting	6 Leads/Opportunities	Assistive Technology; Pilot IRS;
OPM	Referral/ expansion/voting	3 Leads/Opportunities	Election and expansion on USA Jobs
VA	Past Relationships/Meetings/ Conferences/Articles/Cold Calls	4 Leads/Opportunities	Assistive Technology, Suicide, Opioids and assistance with analytics, etc. in addition to other data solutions
CIGIE	Past Relationships/Articles/Cold Calls	5 Leads/Opportunities	CARES Act data analysis
USPTO	Past Relationships/Articles/Cold Calls	4 Leads/Opportunities	Chief Economist data work award of BPA

Notes

- Outreach to almost 200 agency contacts
- Outreach includes use of different messaging
- Outreach to agencies that used previous e-training and KM solutions
- Outreach for potential new Assistive Technology projects will have newly developed case study



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Selected Projects

AGENCY	PROJECT SCOPE	VALUE
OPM	OPM seeks to improve data access and programmatic use of data collected during the USAJOBS recruitment process; leverage quantitative and qualitative data to determine the highest impact features to deploy to the USAJOBS site; and measure the effectiveness of each software release.	Aiding Government Workforce – Improve human resources and digital records management by leveraging blockchain technology to ensure efficient data management, exchange, and security of records.
DHS, PARM	PARM, as both a governance, oversight and support agency, maintains responsibilities to mature insights and efficiencies into DHS's program acquisition performance. The objective of this project is to integrate data from the various PARM components into a PARM knowledge-base management (KM) store capability focused on improving the acquisition lifecycle framework (ALF) governance, oversight reporting, risk management and decisional insights on program acquisitions.	Integrating and Improving Operations Through Data—The project aims to deliver innovative data and processing capabilities to build, monitor, evaluate and improve on the quality, accuracy and predictiveness of acquisition program management capabilities and seamlessly unify data and innovation on digital content and business activities to improve on overall performance efficiencies
DHS, NRMCC	The National Risk Management Center (NRMCC) seeks innovative technologies to defend against digital threats to our nation's critical infrastructure. NRMCC is focused on seven areas, Analytic Research and Innovation; Systems Integration; Development and Deployment ; Modelling Capability Transition Environment; Life Cycle Support; Research and Develop Innovative Approaches and Collaboration with the Stakeholders	Protecting Critical Infrastructure Opportunity expanded and analysis for COVID-19 related data was identified
VA, 504	The Veteran's Affairs office is seeking solutions for hard copy ,ailing to insure access for the visually impaired. Four formats will be available in Braille, Audio, CD and Large Print	Providing Access to All Veterans Expanded access of correspondence for the visually impaired



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Innovation and Data Awareness Through Partnerships

- Joined with ACT – IAC for Sept 2, 2020 event

Data Driven AI Innovations: Accelerating Results Through Federal and Private Sector Partnerships

Data-driven innovations provide unprecedented opportunities to address mission-critical challenges and to transform government operations. This session will cut through the hype and refocus our attention on the art of the possible. How are federal agencies partnering with the private sector to accelerate time to market and value? How can agencies leverage data as a strategic asset, through capabilities such as AI, to achieve mission outcome? The session will cover actual use cases by innovators and practitioners who are delivering data driven mission outcome at their organizations- today.

- Joined with AFCEA for Tech Summit on Oct 14-15, 2020

Focus on the Enterprise:

Securing the Enterprise -Securing the New Normal / Ensuring Enterprise Security for a Remote Workforce

Enabling the Enterprise Data as foundation to AI/ML;

Modernizing the Enterprise- Modernizing IT to Swiftly Address Customers in the New Normal



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Office of Program Management

Wayne Strickland
Acting Associate Director

Timothy Stanback
Supervisory Program Manager

- Securely develop programs for capturing and transforming raw metadata (record specs) with no standardized architecture from many diverse sources into a single unified format for analytic capability and accessibility;
- Performing quality control/quality assurance review in both English and Spanish (as appropriate) of the transformed data to ensure the integrity of the manipulated data and taking appropriate corrective actions to cleanse the data files when necessary;
- Producing final data output in assistive technology alternate formats such as braille, large print, data or audio CDs to provide greater accessibility to the special needs population (the final end-user)
- Ensure program implementation, operations and production schedules.
- Developing, tracking and communicating systems management to insure no loss of data and to identify the occurrence of any anomalous activity in the migration and transformation processes; and
- Performing all tasks within strict security guidelines in a secure, protected environment provided by NTIS to insure the privacy of the PII data.

Daniel Ramsey
Supervisory Program Manager

- Manage and track new and ongoing Joint Venture Partner (JVP 2.0) priorities and procurements for NTIS.
- Develop plans for evaluating cost controls measures, procedures, and documentation to meet Program Control requirements.
- Monitor progress of program requirements and performance against plans to ensure agreements/obligations are being met.
- Develop and coordinate, closeouts and de-obligation efforts. To identify, capture, and return unused funds to NTIS Revolving Fund.
- Plan, coordinate, and conduct meetings and formal presentations or briefings to senior level management, potential customers, partners, contractors and the general public.
- Bona Fide Need Certifier (BFNC) for all NTIS procurement requisitions. Liaising between other support and operational offices on financial matters and resolutions.
- Develop, track and communicate statuses, of procurements and Interagency Agreements (IAA). Verify the required approvals and supporting documents are attached.

Project/Program Managers

Program Analysts

Program Assistants

Main Areas of Focus

Data Transformation & Access (DTA)

Federal Data Access (FDA)

Project Management Division (PMD)

Program Control (PC)



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The NTIS-JVP Framework – More than New Data Points

Delivering Outcomes that Benefit Our Nation and the World

PARTNER	CHALLENGE	BENEFIT
DEA	DEA seeks operational support to maintain databases of persons and organizations certified to handle controlled substances under the Controlled Substances Act.	Disseminating Controlled Substance Information – managed subscription services and database hosting operations for DEA's customers, as part of DEA's efforts to control the abuse and misuse of controlled substances and chemicals used in producing some over-the-counter drugs.
SSA	SSA seeks to maintain the Limited Access Death Master File (LADMF) which contains over 91 million records of deaths that have been reported to SSA from 1936 to present.	Delivering Fiduciary Data – As the only authorized distributor of LADMF, NTIS provides managed subscription services for SSA's customers, which include government agencies, financial institutions and credit reporting organizations. In compliance with the Bipartisan Budget Act of 2013, NTIS ensures that only certified parties may access the LADMF system.
Federal Science Agencies	As a Congressionally mandated clearinghouse, NTIS operates the National Technical Reports Library (NTRL), which offers the largest publicly available U.S. government-sponsored collection of scientific, technical, engineering and mathematics (STEM) information.	Disseminating Federal STEM Research – NTRL holds approximately 3 million publications, provides free public access to its holdings of scientific, technical, engineering, and mathematics (STEM) information and includes a comprehensive bibliographic search feature.

Project Examples



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National Technical Reports Library (NTRL)

Federal Science Agencies and Laboratories

Summary	<p>The National Technical Reports Library (NTRL) is the largest, publicly available U.S. government-sponsored collection of technical and scientific reports. (A clearinghouse of federally funded science and technology reports).</p> <p>End User - The NTRL is a useful tool for members of the business, library, government, and academic communities as it provides a solution to locating the results of billions of dollars of federal research.</p> <p>Comprehensive - The bibliographic and full-text records vary with the availability of legacy digitization efforts. There are 39 Major Subject Categories and 375 Sub-categories including Aeronautics, Chemistry, Energy, Environment, Health Care, Library & Information Sciences, Mathematics, Medicine & Biology, Physics, and Transportation.</p> <p>Public Access Fee - The NTRL is open and freely available worldwide. There are no subscription fees.</p>
Size	<p>> 3 million publications (1945 – present, majority stored on microfiche)</p>
Authority	<ul style="list-style-type: none"> • Chapter 23 of Title 15 of the United States Code (15 U.S.C. 1151-1157) • National Technical Information Act of 1988, codified as 15 U.S.C. 3704b • American Technology Preeminence Act of 1992 (Public Law 102-245)
Executive Statement	<p>This is the foundational mission upon which NTIS was built. NTIS continues to be fully supportive of this mission. However since the move to open access for all (2016), NTRL generates no revenue. It operates at a loss, but there have been several impressive years of cost reduction. Also, approximately 2M documents are pending digitization.</p> <p>In FY19 and FY20, NTIS will move NTRL into a cloud infrastructure in order to further reduce costs. Beginning efforts with Fairfax County Public Schools (FCPS) Work-based Learning Program (WLP) to digitize microfiche to increase document availability while reducing costs.</p>

Controlled Substances Act Database (CSA)

Drug Enforcement Administration	
Summary	NTIS disseminates data collected and managed by the Drug Enforcement Administration (DEA) to support its mission. DEA's CSA Database serves as an authoritative record of proof for individuals and organizations who are certified to handle controlled substances in compliance with the CSA.
Size	> 1.8 million records
Authority	<ul style="list-style-type: none">• 15 U.S.C. 1151-1157• 15 U.S.C. 3704b
Executive Statement	LADMF and CSA programs provide essential data-service missions that help combat fraud and illegal substances. Historically, both programs received substantive Net Revenues. However, starting in FY17 and continuing through FY20, NTIS created a new software system (NESS) to provide better security and more accurate information for the subscription customers. These improvements, however, resulted in major program cost increases. NTIS is required by law to recoup costs associated with operating these services. Therefore in FY21, NTIS will raise subscription prices in order to recover Net losses.



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Limited Access Death Master File (LADMF)

Social Security Administration

Summary	NTIS is the only authorized distributor of the LADMF data that is collected and managed by the Social Security Administration. Every organization with fiduciary duties is legally required to check individuals against the LADMF data for fraud prevention.
Size	> 91 million records (1936 – present)
Authority	<ul style="list-style-type: none">• Bipartisan Budget Act of 2013, Section 203• Social Security Act (42 U.S.C. § 1306(b)), Section 1106(b)
Executive Statement	LADMF and CSA programs provide essential data-service missions that help combat fraud and illegal substances. Historically, both programs received substantive Net Revenues. However, starting in FY17 and continuing through FY20, NTIS created a new software system (NESS) to provide better security and more accurate information for the subscription customers. These improvements, however, resulted in major program cost increases. NTIS is required by law to recoup costs associated with operating these services. Therefore in FY21, NTIS will raise subscription prices in order to recover Net losses.



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Office of Data Services

Chakib Chraibi, Ph.D., D.Sc.
(Acting)
Associate Director

Chakib Chraibi, Ph.D., D.Sc.
Lead Data Scientist

- DOE National Nuclear Security Administration (NNSA)
- DHS:
 - Program Accountability and Risk Management (PARM)
 - National Risk Management Center (NRMCC)
- DOL
- VA:
 - Technology Transfer Program (TTP)
 - Veteran Affairs Electronic Determination Aide (VAEDA)

Patrick Lee, Ph.D., P.E.
Lead Data Scientist

- DoD Joint Artificial Intelligence Center (JAIC)
Program Manager and Data Scientist
- VA:
 - Technology Transfer Program (TTP)
 - Veteran Affairs Electronic Determination Aide (VAEDA)
- USAID:
 - President's Malaria Initiative (PMI)
 - Development Data Commons (use case: HIV-AIDS)
- HHS

Main Areas of Focus

Data Solutions (2.0 projects)

Merit Review Process

Opportunity
Announcements

Future Technical
Direction



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Office of Data Services

Supporting the NTIS mission by serving as a center of excellence for leveraging data as a strategic asset.

- Works collaboratively with Office of Program Development and Office of Program Management
- Helps accelerate the private sector use of government data to develop new and improved data products and services
- Enables both Commerce and other Federal agencies to leverage government data to become more effective and efficient in mission success



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NTIS Framework



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NTIS PROJECTS



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Forging Partnerships with Industry



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Data, Data, Data

THE DATA SCIENCE HIERARCHY OF NEEDS

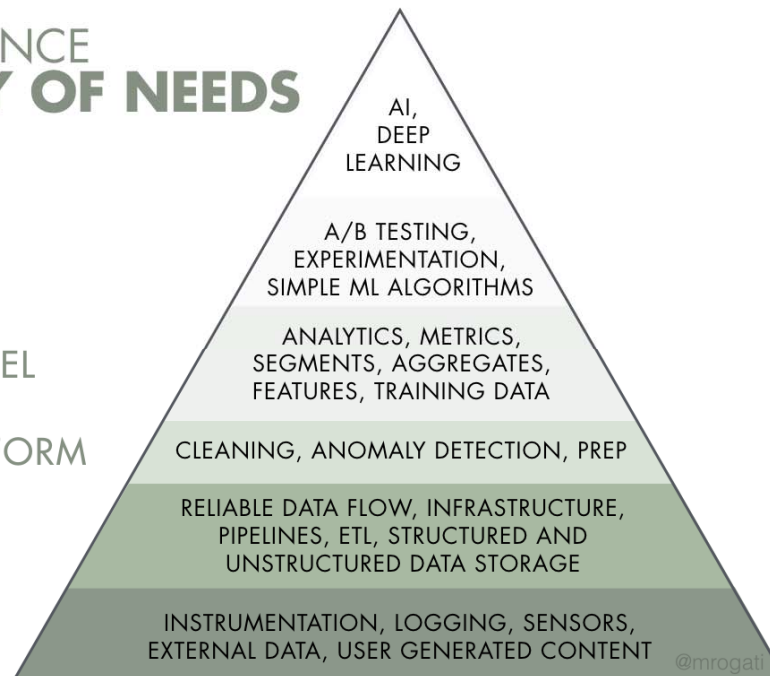
LEARN/OPTIMIZE

AGGREGATE/LABEL

EXPLORE/TRANSFORM

MOVE/STORE

COLLECT



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Office of the Chief Information Officer

Allison McCall
Acting Chief Information Officer

SECURITY DIVISION

Bilal Baisa
(Acting)

Chief Information Security Officer (CISO)

- Security Assessments and Authorizations
- Continuous Monitoring and CDM
- Privacy and CUI
- Personnel and Physical Security
- Security policy and data calls
- Web, product application support

INFRASTRUCTURE SUPPORT DIVISION

Leigh Anne Levesque
Manager

- Desktop Support and Service Desk
- Telecommunications (Voice and Data)
- SW and HW Support including Alternate Format
- Infrastructure
- IT Inventory
- Infrastructure Policy and data calls
- Financial and legacy application support

PRODUCTION SUPPORT DIVISION

Pad Hosmane
Acting Manager

- Linux and Windows Servers
- Storage
- Backup
- Database administration
- Virtualization
- Cloud migration
- Technical architecture
- Production policy and data calls

Main Areas of Focus

Support for 2.0 Mission

Cloud Migration

Security Enhancement

NTIS Process Automation

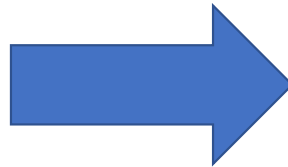


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Status Cloud Migration?



- NTIS has begun to migrate its data center platforms (NTIS HQ and Denver) to the Amazon Web Services “Cloud”.
- Denver – completed migration of virtual machines and storage backup
- NTIS HQ – built out Cloud environment (AWS East and West) completed migration of active directory, NTIS web site, and Subscription Unified File Download System. Systems are in test environment awaiting security Authority to Operate (ATO).
- In process – NTRL migration



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Expected Benefits for NTIS

- Lower upfront infrastructure investment; Rather than replacing our aging infrastructure, we can modernize by moving to a Cloud-based infrastructure.
- An infrastructure that we are not locked into for years. We can deploy new technologies as they become available. operational cost because you scale only as you grow and only pay for the technologies we use.
- The Cloud has efficient resource utilization and usage-based costing: With utility-style pricing, we will be billed only for the infrastructure that has been used. We are not paying for unused resources. In addition, we can scale up and down as needed. We can create new environments for testing and development scale down when no longer needed.
- Disaster Recovery and Business Continuity. We will have a lower cost options instead of maintaining a physical site. We will take advantage of geo-distribution. We will have a replication of our environment and will be able to switch from AWS East to AWS West in minutes.

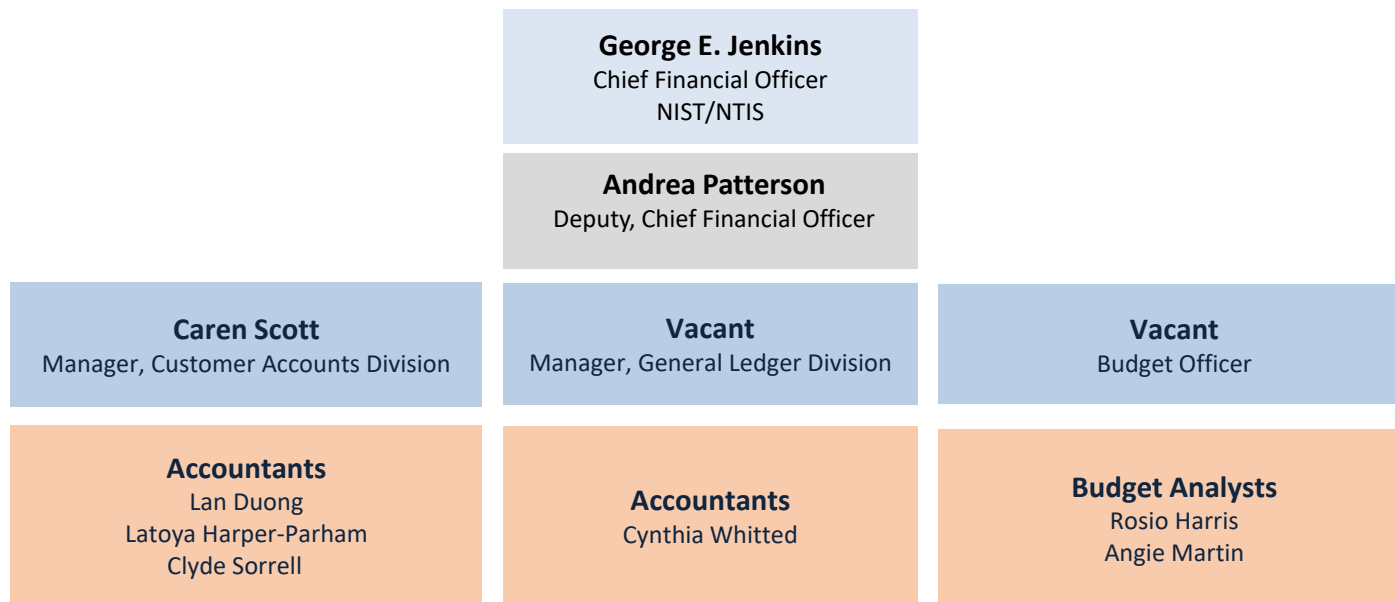


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Office of Chief Financial Officer



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Financial Status

Net Cost as of March 31, 2020

Line of Business		FY20 Actual through March 2020
Data Science Innovation Services	Revenue	\$12,469,176
	Cost	\$12,203,506
	Net	\$265,670
Data Accessibility Services	Revenue	\$17,769,102
	Cost	\$16,830,510
	Net	\$938,592
Data Subscription Services	Revenue	\$2,936,832
	Cost	\$2,913,375
	Net	\$23,457
Legacy Business	Revenue	\$1,967,864
	Cost	\$1,642,237
	Net	\$325,627
Technical Clearinghouse (NTRL)	Revenue	-\$2,020
	Cost	\$898,047
	Net	-\$900,067



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*Numbers exclude Imputed Financing



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FY2020 Year End Projection

Net Cost (Millions)	FY20 Year End Projection
Revenue	\$76.9
Cost	\$77.5
Net	(\$0.6)



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Break



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Advisory Board Discussion with NTIS



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Review Feedback and Action Items



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August 26, 2019 Action Items

The following action items were noted in the August 26, 2019 minutes:

1. “NTIS took action to try to understand if there were opportunities for partnership with NOAA on digitization.”
2. “Mr. Capella stated that he would be coordinating the minutes of the meeting internally, and then with Dr. Gaddam. He would then post the minutes on the FACA site provided by GSA.”



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Member Wrap Up Discussion and Public Comment



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Meeting Adjourns



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