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Description of document: National Technical Information Service (NTIS) National Technical Research Library (NTRL) Three Year Plan 2020

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National Technical Information Service
5301 Shawnee Road
Alexandria, VA 22312
[FOIA Online](#)

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08/31/2021

Re: Freedom of Information Act (FOIA) Request –DOC-NTIS-2021-001928

This is in response to your FOIA request to the Department of Commerce.

Enclosed you will find documents responsive to your request and are being released to you in its entirety.

Sincerely,

Gregory G Guthrie

Assistant FOIA Officer - NTIS

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National Technical Reports Library (NTRL)

3 Year Plan -DRAFT

FY2021	FY2022	FY2023
<ul style="list-style-type: none"> • Research automation options • Review/Update business rules for Metadata Bibliographic System (MBS) to increase input electronically into MBS/NTRL • IT Project Manager review the OCIO technical functionality logic • Work with IT to resume biweekly ingest of content (NASA; DOE/DTIC) for NTRL • Support OCIO cloud migration of NTRL • Redesign website user interface 	<ul style="list-style-type: none"> • Implement automation options • Optimize Digitization Procedures – increase capacity & decrease processing time*** • Revitalize DOE content input with IT • Streamline input through collaboration with IT to automate input procedures, using the Report Document Page (RDP) • Leverage API from other agencies to build a steady stream of data for our DBLease clients*** 	<ul style="list-style-type: none"> • Quality Control/Assurance of implemented automation options • Explore potential data sources (e.g. National Bureau of Economic Research (NBER), Government Accountability Office (GAO), etc.) • Explore document delivery via OCLC • Leverage Search Engine Optimization (SEO) to increase discoverability of NTRL • Increase visibility with Federal Laboratories Consortium, American Library Association (ALA), National Information Standards Organization (NISO), Twitter, Academic Library Communities (University, College, and Public), CENDI, and Corporate Libraries...
<ul style="list-style-type: none"> • Compose a message to all agencies - "Please complete the fillable RDP electronic form completely when sending documents to the NTIS input mailbox." This will decrease processing time. *** • Create an online web form for Report Document Page (RDP) to aid in expediting document processing*** • Collaborate with federal agencies to explore modernizing options content ingest processes and systems to using API endpoints to deliver reports: NASA; DTIC; CDC; FAS; GAO, NBER 	<ul style="list-style-type: none"> • Promote Technical Reports, Data Science connection: <ul style="list-style-type: none"> • American Library Association (ALA) • Special Library Association (SLA) • Federal Librarians – via GOVDOC-L listserve • NISO- National Information Standards Organization • FLC – Federal Laboratories Consortium • Open Government/Federal Data Strategy • Data Exchange Community of Practice (DXCOP) • CENDI (Federal Data & Science Agencies Consortium) 	
<ul style="list-style-type: none"> • Use Social Media to highlight NTRL content themes and federal scientists: Twitter*** • Consider adding a banner to read 'informational purposes only' for documents in MBS under CARDCAT, INV, INVHIST, INVLITE*** • Identify and tag titles that read: 'Magnetic tape', 'CD-ROM', 'Diskette', 'Audio-Visual'; will not be digitized to a PDF*** 	<ul style="list-style-type: none"> • Ongoing evaluation of automation document delivery options: <ul style="list-style-type: none"> • OCLC – https://www.worldcat.org/ • Orclid - https://orcid.org/ • Crossref – https://www.crossref.org/ • Access Innovations - https://www.accessinn.com/ • PTFS - https://liblime.com/bibliovation/ 	<p>Explore additional sources of documents:</p> <p style="text-align: right;">(***Will be a focus for all three years)</p>



National Technical Reports Library (NTRL)

Delivering Outcomes that Benefit Our Nation and the World

Federal Science Agencies and Laboratories

<p>Summary</p>	<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) which is being migrated to the cloud in FY2020.</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, Artificial Intelligence, Chemistry, Energy, Environment, Health Care, Library & Information Sciences, Mathematics, Medicine & Biology, Physics, Pandemics, and Transportation.</p> <p>Public Access: The NTRL is open and freely available worldwide. There are no subscription fees as of October 2016.</p>
<p>Size</p>	<p>> 3 million publications (1945 – present, majority stored on microfiche); approximately 2M documents are pending digitization.</p>
<p>Authority</p>	<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)
<p>Executive Statement</p>	<p>NTRL 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. Additionally below are recommendations for modernizing and upgrading NTRL access and visibility for the 21st century:</p> <ul style="list-style-type: none"> • Automation of a library system for collection management: ingesting digital born content, cataloging and indexing and ensuring that metadata standards are universal • Expand the content management system to provided access to federal technical reports, data sets, and data objects • Promote/encourage automation compliance with American Technology Preeminence Act (ATPA) for modernization and efficiency • Using Social Media to highlight NTRL content, national science themes, and NTIS data project subject matter such as AI, ML and cybersecurity.

