



U.S. Department of Commerce

Public Law 115-336, "21st Century Integrated Digital Experience Act
(IDEA)"

March 2020 Report

Prepared for Congress per the requirements of section 3(b)(2) of Public Law 115-336.

21st Century Integrated Digital Experience Act - Report to Congress on Modernizing Agency Websites and Digital Services

As required by section 3(b)(2) of Public Law 115-336,¹ the 21st Century Integrated Digital Experience Act (21st Century IDEA), this report includes a list of key websites and digital services operated by the U.S. Department of Commerce (DOC) that have been prioritized and targeted for modernization.

Background

The 21st Century IDEA requires each federal executive branch agency to provide a prioritized list of the agency's "most-viewed or ... otherwise important" public websites and digital services as part of compliance requirements with section 3(a) of the law, and to provide an estimation of the cost and schedule to modernize those sites and services in need of modernization.

Legend:

DOC/OS	U.S. Department of Commerce/Office of the Secretary
BEA	Bureau of Economic Analysis
CENSUS	U.S. Census Bureau
EDA	U.S. Economic Development Administration
FirstNet	First Responder Network Authority
ITA	International Trade Administration
MBDA	Minority Business Development Agency
NIST	National Institute of Standards and Technology
NOAA	National Oceanic and Atmospheric Administration
NTIA	National Telecommunications and Information Administration
NTIS	National Technical Information Service
USPTO	United States Patent and Trademark Office

Key Websites and Digital Services

The Department has identified the following websites and digital services as high-traffic and/or otherwise important for public engagement:

¹ 132 Stat. 5025-5028.

Site Name	Brief One-line Description
nist.gov	Primary web site of the National Institute of Standards and Technology (NIST)
nvd.nist.gov	National Vulnerability Database, the U.S. government repository of standards-based vulnerability management data
csrc.nist.gov	Computer Security Resource Center, which provides access to NIST's cybersecurity- and information security- related projects, publications, news and events
webbook.nist.gov	The NIST Chemistry WebBook provides access to data compiled and distributed by NIST under the Standard Reference Data Program
srdata.nist.gov	NIST produces the Nation's Standard Reference Data (SRD). These data are assessed by experts and are trustworthy such that people can use the data with confidence and base significant decisions on the data
dlnf.nist.gov	NIST Digital Library of Mathematical Functions
nccoe.nist.gov	National Cybersecurity Center of Excellence
manufacturingusa.com	Manufacturing USA® comprises 14 national manufacturing institutes that are jointly funded by government and private industry
mgj.gov	The Materials Genome Initiative is a multi-agency initiative designed to create a new era of policy, resources, and infrastructure that support U.S. institutions in the effort to discover, manufacture, and deploy advanced materials twice as fast, at a fraction of the cost
dnsops.gov	High Assurance domain monitor test tool that takes a list of zone names as input and performs a series of tests for certain security artifacts in the zone or particular services.
nehrrp.gov	National Earthquake Hazards Reduction Program
time.gov	The official U.S. time

manufacturing.gov	A national advanced manufacturing portal
standards.gov	Standards.gov is your pathway to standards solutions. The NIST Standards Coordination Office provides tools, programs, services, and educational resource standards and conformity assessment
trade.gov	Website delivering the entirety of International Trade Administration's content and services
export.gov	Formerly a separate site, now part of a unified site for International Trade Administration, but with accessibility via this URL to a distinct experience focused on U.S. exporters
eda.gov	Public site that provides news of regional economic development efforts in communities across the nation
firstnet.gov	Public site for information about the First Responder Network Authority (FirstNet) and the National Public Safety Broadband Network (NPSBN)
uspto.gov	The front door to US Patent and Trademark Office (USPTO)
my.uspto.gov	The authenticated portal used for conducting online business with the USPTO
portal.uspto.gov	Public Patent Application Information Retrieval (Public PAIR) which allows the public to retrieve and download patent application status information
ntia.gov	Main website for NTIA
broadbandusa.ntia.doc.gov	The BroadbandUSA program promotes innovation and economic growth by supporting efforts to expand broadband access
www.its.blrdoc.gov	ITS is the research and engineering laboratory of NTIA
commerce.gov	The Department's flagship website for all things related to US Department of Commerce including information from the Secretary, bureau highlights and updates on DOC mission priorities, initiatives and activities

mbda.gov	The Minority Business Development Agency's public website which is tasked with promoting the growth and competitiveness of minority-owned businesses
cldp.doc.gov	The Commercial Law Development Program's public website, which is used to improve the legal environment for business worldwide
census.gov	Primary web site of the U.S. Census Bureau where customers gain access to timely and relevant statistics anytime and anywhere
noaa.gov	Primary web site of the National Oceanic and Atmospheric Administration (NOAA) where customers gain access to timely weather forecasts, severe storm warnings, and climate monitoring data in addition to fisheries management, coastal restoration and marine commerce
ntis.gov	Primary website of the National Technical Information Service (NTIS) that helps federal agencies make better decisions about data and provides access to U.S. government's repository of scientific research and information.

¹ 132 Stat. 5025-5028.

Modernization Priorities

Of the sites listed above, the Department has prioritized the following websites and digital services in need of modernization to comply with the requirements in section 3(a) of the 21st Century IDEA:

Website/Digital Service Requiring Modernization	Estimated Cost*	Estimated Schedule
Census.gov	\$10,979,081.85	1/6/2020 to 1/6/2021
Census.gov Section 508 certification	\$2,500,000.00	10/1/ 2020 to 10/1/2021
trade.gov/export.gov	\$1,779, 357.39	Launched 12/23/19
cldp.doc.gov	\$230,000.00	9 Months
commerce.gov	\$60,000.00	3 Months
NTIS.gov	\$326,507	Completion 12/31/2021
NOAA.gov	TBD	TBD
MBDA.gov	\$60,000.00	3 Months
Public PAIR (http://portal.uspto.gov/pair/PublicPair)		NLT 9/30/2022; Note: The PAIR capability was established in early 2000s to replace people's need to come to USPTO in Virginia to get access to the complete application file wrapper. From the early 2000s to date we have added more data and capabilities for the public to access, however the architecture has not changed. This architecture was not established for large data miners. For the government Open Data program, the USPTO stood up PEDS (Patent Examination Data System) which has a subset of the PAIR data and capabilities. The PEDS architecture supports large data miners. The USPTO current replacement approach to Public PAIR is for PEDS and Patent Center to replace that system. The current schedule for that ongoing effort calls for moving all of Public PAIR to the new systems in FY22.

*The figures listed above are rough order of magnitude estimates that the Department is in the process of reviewing and validating. These figures are included indicate the anticipated level of effort and resources that would be needed to modernize each site and are not intended as a request for funding or a commitment by the Department of Commerce to obligate such sums.

Closing

The 21st Century IDEA requires federal agencies provide a prioritized list of the agency's "most-viewed or ... otherwise important" public websites and digital services. Commerce hosts many websites as it is our goal to provide quick and easy access to data to businesses, academic partners and citizens of the United States. Commerce data supports every aspect of life and it is difficult to establish a true priority of websites, each is uniquely critical, important and a priority to our many customers and stakeholders. We will continue to work through the tenants and requirements of the IDEA Act to establish priorities, refine cost estimates and establish a schedule to modernize sites and services.

Approved by:

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