

Geospatial Data Act Reporting



NGAC Meeting
December 9, 2020

Topics

1. GDA Phase 1 Report to Congress

Status:

- Provided for FGDC/NGAC comment - ~400 comments received
- Draft has been revised, currently in DOI review process
- Final version for SC/DOI/OMB approval – December 2020

1. GDA Phase 2 Report to Congress

- Overview & status

2. GDA Team Role

- Planning for NGAC review of GDA annual reports

GDA Congressional Report – Phase 2

Phase 2: GDA Reporting Appendix

- Will include:
 - **Covered Agencies:** Summary of achievements and a determination of progress of each covered agency in implementing their agency's strategy for advancing geospatial activities
 - **Lead Covered Agencies:** Summary of the status of each NGDA data theme and an evaluation of its progress
 - Comments from the covered agencies on the FGDC summary reports, NGAC comments on the FGDC summary reports, and any responses to those comments
- **Planned completion date: April 2021**

GDA Covered Agencies

Sec. 752 (3) – “Covered Agency”

- (3) the term “covered agency” —
- (A) means—
- (i) an Executive department, as defined in section 101 of title 5, United States Code, that collects, produces, acquires, maintains, distributes, uses, or preserves geospatial data on paper or in electronic form to fulfill the mission of the Executive department, either directly or through a relationship with another organization, including a State, local government, Indian tribe, institution of higher education, business partner or contractor of the Federal Government, and the public;
 - (ii) the National Aeronautics and Space Administration; or
 - (iii) the General Services Administration; and
- (B) does not include the Department of Defense (including 30 components and agencies performing national missions) or any element of the intelligence community

16 GDA Covered Agencies:

Dept. of Agriculture
Dept. of Commerce
Dept. of Education
Dept. of Energy
Dept. of Health and Human Services
Dept. of Homeland Security
Dept. of Housing and Urban Development
Dept. of the Interior
Dept. of Justice
Dept. of Labor
Dept. of State
Dept. of Transportation
Dept. of the Treasury
Dept. of Veterans Affairs
General Services Administration
National Aeronautics and Space Administration

Covered Agencies – 13 GDA Responsibilities

- (1) Develop and implement agency geospatial strategy in support of agency mission & NSDI strategic plan.
- (2) collect, maintain, disseminate, and preserve geospatial data to be readily shared with other agencies and non-Federal users.
- (3) promote integration of geospatial data from all sources.
- (4) ensure that geospatial data are included in agency record schedules that have been approved by NARA.
- (5) allocate resources to fulfill geospatial responsibilities of the covered agency, and to support the activities of the FGDC
- (6) use geospatial data standards, including metadata standards, and make metadata available through the GeoPlatform.
- (7) coordinate and work in partnership with other levels of government, academic institutions, and the private sector collect, integrate, maintain, disseminate, and preserve geospatial data, building upon existing non- Federal geospatial data to the extent possible.
- (8) use geospatial information to make Federal geospatial information and services more useful to the public; enhance operations; support decision making; and enhance reporting to the public and to Congress.
- (9) protect personal privacy and maintain confidentiality in accordance with Federal policy and law.
- (10) participate in determining, when applicable, whether declassified data can contribute to and become a part of the NSDI.
- (11) search all sources, including the GeoPlatform, to determine if existing geospatial data meets the needs of the covered agency before expending funds for geospatial data collection.
- (12) to the maximum extent practicable, ensure that a person (entity) receiving Federal funds for geospatial data collection provides high-quality data.
- (13) appoint a contact to coordinate with lead covered agencies of the NGDA data themes used by the covered agency.

Covered Agency Annual Report (Sec. 759)

Covered Agencies

- ❖ Use GeoPlatform/Survey123 to self-report achievements (with optional 2-page summary)

FGDC

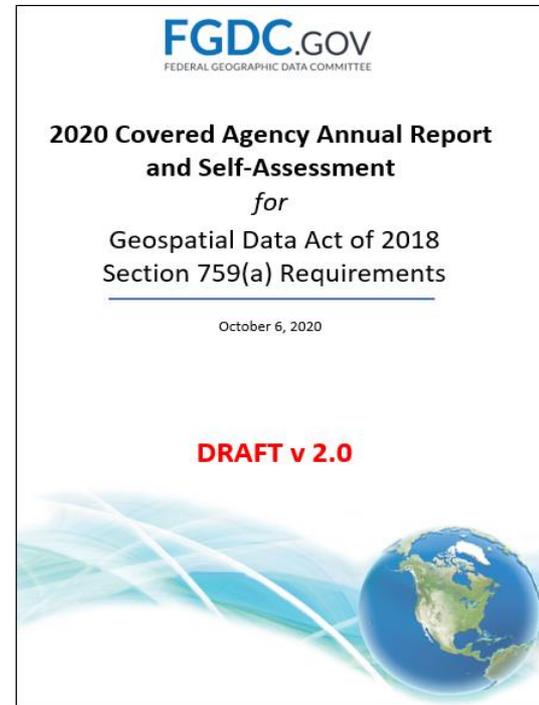
- ❖ Generate Annual Report Summary for NGAC and agency comment
- ❖ Incorporate into Biennial Report to Congress

Responsible

- ❖ Execution: SAOGI directs agency survey completion
- ❖ Approval: SAOGI approves report and submits to FGDC

STATUS

- ❖ Covered Agency Template approved 11/6. Survey being generated.



Sample of CA Report Template

759(a)(9) Protection of Privacy and Confidentiality

GDA Requirement	Protect personal privacy and maintain confidentiality in accordance with Federal policy and law
Agency Self-Assessment	Check One: <ul style="list-style-type: none"> o Meets expectations o Made progress toward expectations o Fails to meet expectations
KEY to Self-Assessment	<ul style="list-style-type: none"> • “Meets expectations” = <ul style="list-style-type: none"> o “Yes” selections for Questions 9.1 and 9.2 • “Made progress toward expectations” = <ul style="list-style-type: none"> o “Yes” or “Some” selections for Questions 9.1 or 9.2 • “Fails to meet expectations” = <ul style="list-style-type: none"> o “No” selection for Questions 9.1 or 9.2

Table 9. GDA Section 759(a)(9) Protection of Privacy and Confidentiality Requirement and Self-Assessment Criteria.

9.1 Are agency Privacy Threshold Assessment or Privacy Impact Assessment (PTA/PIA) processes inclusive of your geospatial data?

Clarifying Text: The Privacy Threshold Assessment/Analysis would be the mechanism that agencies use to determine if PII is, or is not collected, and whether a Privacy Impact Assessment needs to be done for an information system.

- Yes. The agency’s PTA/PIA processes are inclusive of all agency data.
- Partial. The agency’s PTA/PIA processes are inclusive of some agency data.
- No. The agency’s PTA/PIA processes are not inclusive of agency data.

9.2. Are the IT systems and applications that maintain and support your geospatial data covered by a current Authorization to Operate (ATO)?

- Yes. All agency geospatial data is housed in a system covered by a current ATO and is appropriately protected in accordance with applicable laws and regulations.
- Partial. Some agency geospatial data is housed in a system covered by a current ATO and appropriately protected in accordance with applicable laws and regulations.
- No. Agency geospatial data is housed in a system without an ATO or where the ATO has lapsed.

9.3 Brief Summary (Limit 1000 characters, or approximately 150 words):

Please provide a brief description of agency actions and accomplishments in addressing Sec. 759(a)(9), “protect personal privacy and maintain confidentiality in accordance with Federal policy and law.”

[Textbox will be provided]



GDA Lead Covered Agencies

18 NGDA Data Themes managed by 6 Lead Covered Agencies (in coordination with Dataset Managers for 170+ NGDA Datasets)

Lead Covered Agency	NGDA Data Theme
Agriculture	Imagery (co-lead with DOI), Land Use-Land Cover (co-lead with DOI), Soils
Commerce	Address (co-lead with DOT), Climate & Weather, Elevation (co-lead with DOI), Geodetic Control, Governmental Units, Water—Oceans & Costs
Interior	Biodiversity & Ecosystems, Cadastre, Cultural Resources, Elevation (co-lead with DOC), Geology, Imagery (co-lead with USDA), Land Use—Land Cover (co-lead with USDA), Utilities, Water-Inland
Transportation	Address (co-lead with DOC), Transportation
State	International Boundaries
GSA	Real Property

Lead Covered Agencies – 4 GDA Responsibilities

Geospatial Data Standards

(A) provide leadership and facilitate the development and implementation of geospatial data standards for the National Geospatial Data Asset data theme, with a particular emphasis on a data content standard for the National Geospatial Data Asset data theme, including by— (i) assessing existing standards; (ii) identifying anticipated or needed data standards; and (iii) developing a plan to originate and implement needed standards with relevant community and international practices— (I) in accordance with Office of Management and Budget Circular A– 119, or any successor thereto; and (II) consistent with or as a part of the plan described in subparagraph (B);

Nationwide Population of Data Themes

(B) provide leadership and facilitate the development and implementation of a plan for nationwide population of the National Geospatial Data Asset data theme, which shall— (i) include developing partnership programs with States, Indian tribes, institutions of higher education, private sector entities, other Federal agencies, and local governments; (ii) meet the needs of users of geospatial data; (iii) address human and financial resource needs; (iv) identify needs relating to standards, metadata for geospatial data within the National Geospatial Data Asset data theme, and the GeoPlatform; and (v) expedite the development of necessary National Geospatial Data Asset data themes;

Support NSDI Strategic Plan

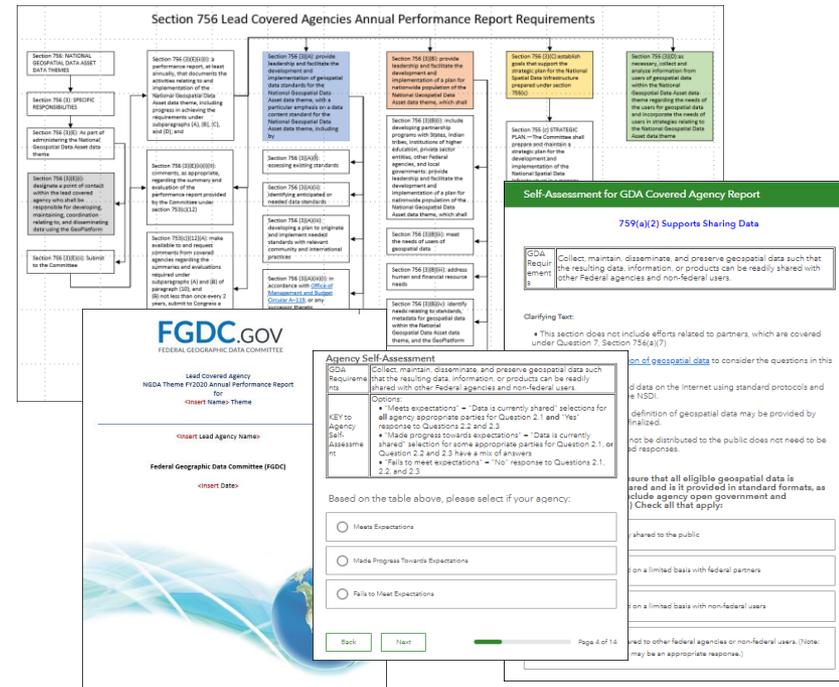
(C) establish goals that support the strategic plan for the National Spatial Data Infrastructure prepared under section 755(c);

Address User Needs

(D) as necessary, collect and analyze information from users of geospatial data within the National Geospatial Data Asset data theme regarding the needs of the users for geospatial data and incorporate the needs of users in strategies relating to the National Geospatial Data Asset data theme.

Lead Covered Agency Report

- ❖ GDA Section 756 identifies requirements for Lead Covered Agencies (DOI, DOC, USDA, GSA, DOS, DOT)
- ❖ Cross-Agency Team developed template addressing progress on:
 - Geospatial Data Standards
 - Nationwide Population of Data Themes
 - Support NSDI Strategic Plan
 - Address User Needs
- ❖ Baseline report will document ongoing NGDA Portfolio efforts that align with GDA requirements
- ❖ Will include agency self-assessments



Template currently being finalized

NGDA Baseline Standards Inventory

- ❖ Geospatial standards related to 173 NGDA datasets
- ❖ Supports FDS 2020 Action Plan and GDA Sections 756 and 759.
- ❖ Identifies standards by Categories:
 - ❖ Data Content Standards: Structure, Attributes, Accuracy, Quality, Archive, Transfer, and Services
 - ❖ Metadata Content Standards: Content and Exchange formats, Services, and Data download
- ❖ Gathered using Survey 123 through GeoPlatform
- ❖ Data analysis and dashboard development for results has begun

The Companion Guide: Achieving an NGDA Baseline Standards Inventory

A Baseline Assessment to Meet Geospatial Data Act, Federal Data Strategy, and Other Requirements

Federal Geographic Data Committee

August 31, 2020

Executive Summary Dashboard

NGDA Baseline Standards Inventory Survey Period: 8/31 - 10/9

Submissions: 70 DSMs representing: 11 Agencies, 21 Sub-Agencies, 173 NGDA

NGDA Portfolio Theme Summary

of NGDA by Agency*

of NGDA by Sub-Agency

[NGDA Theme Lead and Agency POC Dashboard](#)

NGDA Baseline Standards Inventory – FDS Reporting Dashboard (Sample view)

NGDA Baseline Standards Inventory Summary

This chart is designed to meet the Federal Data Strategy Action Plan Action 10 Milestone: Track NGDAs for Implementation of Standards. Counts and percentages of those using i) metadata standards, ii) established content standards, and ... v) no established standards.

Total NGDA

173

of NGDA that completed inventory

135

% of NGDA that completed inventory

78.03%

Results for
135 of 173 NGDA

Number using standards

Percent using standards

Number with no standards reported

Percent with no standards reported

Metadata or Data Standards

133

98.52%

2

1.48%

Metadata Standards

131

97.04%

4

2.96%

Data Standards

110

81.48%

25

18.52%

Geospatial Data Act Report to Congress – Phase 2

Current Timeline

Jan-Oct

FGDC Templates

Covered Agency (CA)
Template development
• 13 Reqmts

Lead Covered Agency (LCA)
Template development
• 4 Reqmts

Nov-Jan

Agency Reports

16 Covered Agencies submit survey-based CA Reports

6 Lead Covered Agencies submit 18 Theme based LCA Reports

Jan-Feb 2021

FGDC Summary

FGDC Secretariat develops summaries of CA and LCA reports

Feb

NGAC Comments

NGAC review and comment on summary reports

March

FGDC/ Agency Comments

FGDC/ Agencies review and provide comments on NGAC comments

April

GDA Report to Congress

FGDC OS compiles summaries/ comments & provides consolidated Report to Congress (including links to CA and LCA reports)

Note – FGDC Steering Committee may extend delivery date for RTC Phase 2 report from April to June, which would move NGAC review period to March/April.

NGAC GDA Team

Current Members:

- Doug Adams, Felicia Retiz, Cy Smith, Tim Trainor

Role:

- Work with FGDC staff & NGAC leadership to plan & coordinate NGAC's role in the GDA reporting process.
 - Identify areas of focus for NGAC review
 - Assess utility of reports
- Collect/synthesize NGAC's comments on the GDA reports
- Document lessons learned
 - How can we improve the process in the future?
 - Suggestions for enhancements to future reports

Discussion/Next Steps

