

NATIONAL LANDSLIDE PREPAREDNESS ACT
REAUTHORIZATION ACT OF 2024

DECEMBER 18, 2024.—Committed to the Committee of the Whole House on the State
of the Union and ordered to be printed

Mr. WESTERMAN, from the Committee on Natural Resources,
submitted the following

R E P O R T

[To accompany H.R. 7003]

[Including cost estimate of the Congressional Budget Office]

The Committee on Natural Resources, to whom was referred the bill (H.R. 7003) to amend the National Landslide Preparedness Act to reauthorize such Act, having considered the same, reports favorably thereon with an amendment and recommends that the bill as amended do pass.

The amendment is as follows:

Strike all after the enacting clause and insert the following:

SECTION 1. SHORT TITLE.

This Act may be cited as the “National Landslide Preparedness Act Reauthorization Act of 2024”.

SEC. 2. NATIONAL LANDSLIDE PREPAREDNESS ACT REAUTHORIZATION.

The National Landslide Preparedness Act (43 U.S.C. 3101 et seq.) is amended—

(1) in section 3 (43 U.S.C. 3102)—

(A) in subsection (a)(3), by striking “protect” and inserting “contribute to protecting”;

(B) in subsection (b)(1)(C)(ii), by striking “implement” and inserting “disseminate”;

(C) in subsection (c)(2), by adding at the end the following:

“(J) The Administrator of the National Aeronautics and Space Administration.”; and

(D) in subsection (h), by striking “2024” and inserting “2029”; and

(2) in section 5 (43 U.S.C. 3104)—

(A) in subsection (a)—

(i) in paragraph (1)(A), by inserting “and derivative” after “3D elevation”; and

(ii) in paragraph (2)(B)(i), by inserting “, process, and integrate” after “acquire”;

(B) in subsection (b)(3)—

- (i) by redesignating subparagraphs (D) and (E) as subparagraphs (E) and (F), respectively; and
- (ii) by inserting after subparagraph (C) the following:
 - “(D) the 3D Hydrography Program Working Group;”;
 - (C) in subsection (d)(3), by striking “publically” and inserting “publicly”; and
 - (D) in subsection (e), by striking “2024” and inserting “2029”.

PURPOSE OF THE LEGISLATION

The purpose of H.R. 7003 is to amend the National Landslide Preparedness Act to reauthorize such Act.

BACKGROUND AND NEED FOR LEGISLATION

H.R. 7003 reauthorizes the National Landslide Preparedness Act (NLPA) for Fiscal Years (FY) 2024–2029 at the current authorization of appropriations level of \$40 million per year. Landslides are a major geologic hazard in every state, causing between \$1–2 billion in damages and more than 25 casualties each year. The NLPA, signed into law on January 5, 2021, established the National Landslide Hazards Reduction Program (NLHRP) and the 3D Elevation Program (3DEP), authorizing both programs from FY 2021–2024. The programs seek to gather data which will enable states and communities to reduce loss during the event of a landslide. The Landslide Hazards Reduction Program conducts research on the geologic structure of the earth and draws scientific conclusions about landslides and ground failures. The states utilize this research to prepare for and properly respond to these disasters.

The goal of 3DEP is to establish high-quality topographic elevation data of the entire U.S., which will enable a better understanding of landslides and why they occur. While mapping the U.S. and having this topography data on file is an important first step, the terrain can change significantly over time. Reauthorizing 3DEP will allow the United States Geological Survey (USGS) to continue mapping to gather new topography data and study how landslides shift the landscape from one year to the next.

COMMITTEE ACTION

H.R. 7003 was introduced on January 17, 2024, by Rep. Suzan DelBene (D-WA). The bill was referred to the Committee on Natural Resources, and within the Committee to the Subcommittee on Energy and Mineral Resources. The bill was also referred to the Committee on Science, Space, and Technology. On January 31, 2024, the Subcommittee on Energy and Mineral Resources held a hearing on the bill. On April 16, 2024, the Committee on Natural Resources met to consider the bill. The Subcommittee on Energy and Mineral Resources was discharged from further consideration of H.R. 7003 by unanimous consent. Rep. Alexandria Ocasio-Cortez (D-NY) offered an Amendment in the Nature of a Substitute designated Ocasio-Cortez 067. The amendment in the nature of a substitute was agreed to by unanimous consent. The bill, as amended, was ordered favorably reported to the House of Representatives by unanimous consent.

HEARINGS

For the purposes of clause 3(c)(6) of House rule XIII, the following hearing was used to develop or consider this measure: hearing by the Subcommittee on Energy and Mineral Resources held on January 31, 2024.

SECTION-BY-SECTION ANALYSIS

Section 1. Short title

Designates this bill as the “National Landslide Preparedness Act Reauthorization Act of 2024”.

Section 2. National Landslide Preparedness Act reauthorization

Section 2 of this bill reauthorizes the National Landslide Preparedness Act through 2029. This bill adds the Administrator of the National Aeronautics and Space Administration as a member of the Interagency Coordinating Committee on Landslide Hazards. This bill also adds the 3D Hydrography Program Working Group as a coordinating member of the 3D Elevation Federal Interagency Coordinating Committee.

COMMITTEE OVERSIGHT FINDINGS AND RECOMMENDATIONS

Regarding clause 2(b)(1) of rule X and clause 3(c)(1) of rule XIII of the Rules of the House of Representatives, the Committee on Natural Resources’ oversight findings and recommendations are reflected in the body of this report.

COMPLIANCE WITH HOUSE RULE XIII AND
CONGRESSIONAL BUDGET ACT

1. *Cost of Legislation and the Congressional Budget Act.* With respect to the requirements of clause 3(c)(2) and (3) of rule XIII of the Rules of the House of Representatives and sections 308(a) and 402 of the Congressional Budget Act of 1974, the Committee has received the following estimate for the bill from the Director of the Congressional Budget Office:

H.R. 7003, National Landslide Preparedness Act Reauthorization Act of 2024			
As ordered reported by the House Committee on Natural Resources on April 16, 2024			
By Fiscal Year, Millions of Dollars	2024	2024-2029	2024-2034
Direct Spending (Outlays)	0	0	0
Revenues	0	0	0
Increase or Decrease (-) in the Deficit	0	0	0
Spending Subject to Appropriation (Outlays)	0	321	380
Increases <i>net direct spending</i> in any of the four consecutive 10-year periods beginning in 2035?	No	Statutory pay-as-you-go procedures apply?	
		No	
Increases <i>on-budget deficits</i> in any of the four consecutive 10-year periods beginning in 2035?	No	Mandate Effects	
		Contains intergovernmental mandate?	No
		Contains private-sector mandate?	No

H.R. 7003 would reauthorize the appropriation of \$37 million annually through 2029 for the National Landslide Hazards Reduction Program. Under current law, the authorization for that program expires at the end of 2024. In 2024, the U.S. Geological Survey (USGS) and the National Oceanic and Atmospheric Administration allocated roughly \$14 million for that program.

H.R. 7003 also would authorize appropriations of \$40 million annually through 2029 for the 3D Elevation Program. Under current law, that program expires at the end of 2024 and based on information from USGS, CBO expects that no funds were allocated for the program.

CBO assumes that the bill will be enacted near the beginning of the fiscal year 2025 and that the authorized amounts will be provided each year. Based on historical spending patterns for the programs, CBO estimates that implementing the bill would cost \$321 million over the 2024–2029 period and \$59 million after 2029. CBO expects that about \$5 million of those amounts would not be spent.

The costs of the legislation, detailed in Table 1, fall within budget function 300 (natural resources).

TABLE 1.—ESTIMATED INCREASES IN SPENDING SUBJECT TO APPROPRIATION UNDER H.R. 7003

	By fiscal year, millions of dollars—						
	2024	2025	2026	2027	2028	2029	2024–2029
National Landslide Hazards Reduction Program:							
Authorization	0	37	37	37	37	37	185
Estimated Outlays	0	20	29	33	35	36	153
3D Elevation Program:							
Authorization	0	40	40	40	40	40	200
Estimated Outlays	0	12	36	40	40	40	168
Total Changes:							
Authorization	0	77	77	77	77	77	385
Estimated Outlays	0	32	66	74	75	75	321

The CBO staff contact for this estimate is Kelly Durand. The estimate was reviewed by H. Samuel Papenfuss, Deputy Director of Budget Analysis.

PHILLIP L. SWAGEL,
Director, Congressional Budget Office.

2. General Performance Goals and Objectives. As required by clause 3(c)(4) of rule XIII, the general performance goal or objective of this bill is to amend the National Landslide Preparedness Act to reauthorize such Act.

EARMARK STATEMENT

This bill does not contain any Congressional earmarks, limited tax benefits, or limited tariff benefits as defined under clause 9(e), 9(f), and 9(g) of rule XXI of the Rules of the House of Representatives.

UNFUNDED MANDATES REFORM ACT STATEMENT

According to the Congressional Budget Office, H.R. 7003 contains no unfunded mandates as defined by the Unfunded Mandates Reform Act.

EXISTING PROGRAMS

Directed Rule Making. This bill does not contain any directed rule makings.

Duplication of Existing Programs. This bill does not establish or reauthorize a program of the federal government known to be duplicative of another program. Such program was not included in any report from the Government Accountability Office to Congress pursuant to section 21 of Public Law 111–139 or identified in the most recent Catalog of Federal Domestic Assistance published pursuant to the Federal Program Information Act (Public Law 95–220, as amended by Public Law 98–169) as relating to other programs.

APPLICABILITY TO LEGISLATIVE BRANCH

The Committee finds that the legislation does not relate to the terms and conditions of employment or access to public services or accommodations within the meaning of section 102(b)(3) of the Congressional Accountability Act.

PREEMPTION OF STATE, LOCAL OR TRIBAL LAW

Any preemptive effect of this bill over state, local, or tribal law is intended to be consistent with the bill’s purposes and text and the Supremacy Clause of Article VI of the U.S. Constitution.

CHANGES IN EXISTING LAW MADE BY THE BILL, AS REPORTED

In compliance with clause 3(e) of rule XIII of the Rules of the House of Representatives, changes in existing law made by the bill, as reported, are shown as follows (existing law proposed to be omitted is enclosed in black brackets, new matter is printed in italics, and existing law in which no change is proposed is shown in roman):

NATIONAL LANDSLIDE PREPAREDNESS ACT

* * * * *

SEC. 3. NATIONAL LANDSLIDE HAZARDS REDUCTION PROGRAM.

(a) **ESTABLISHMENT.**—The Secretary shall establish a program, to be known as the “National Landslide Hazards Reduction Program” (referred to in this section as the “program”)—

- (1) to identify and understand landslide hazards and risks;
- (2) to reduce losses from landslides;
- (3) to **[protect]** *contribute to protecting* communities at risk of landslide hazards; and
- (4) to help improve communication and emergency preparedness, including by coordinating with communities and entities responsible for infrastructure that are at risk of landslide hazards.

(b) **DESCRIPTION OF PROGRAM.**—

- (1) **PROGRAM ACTIVITIES.**—The Secretary, in coordination with the Interagency Coordinating Committee on Landslide Hazards established by subsection (c)(1) (referred to in this section as the “Committee”) and in coordination with existing activities of the United States Geological Survey and other Federal agencies, shall—

- (A) identify, map, assess, and research landslide hazards;
 - (B) respond to landslide events; and
 - (C) in coordination with State offices, units of local government, territories, and Indian tribes—
 - (i) establish working groups with State offices, units of local government, territories, and Indian tribes to identify regional and local priorities for researching, identifying, mapping, and assessing landslide hazards; and
 - (ii) develop and **[implement]** *disseminate* landslide hazard guidelines for—
 - (I) geologists;
 - (II) geological and geotechnical engineers;
 - (III) emergency management personnel; and
 - (IV) land use and other decisionmakers.
- (2) NATIONAL STRATEGY.—Not later than 1 year after the date of enactment of this Act, and every 5 years thereafter, the Secretary, in coordination with the Committee, shall develop and publish a national strategy for landslide hazards, risk reduction, and response in the United States (including territories), which shall include—
- (A) goals and priorities for the program;
 - (B) priorities for data acquisition, research, communications, and risk management on landslides and landslide hazards across relevant Federal agencies; and
 - (C) a detailed interagency plan, which shall take into consideration national disaster preparedness, response, and recovery frameworks, to carry out the national strategy, including details about the programs, projects, and budgets that will be used to implement the national strategy.
- (3) NATIONAL LANDSLIDE HAZARDS DATABASE.—In carrying out the program, the Secretary, in coordination with State offices, units of local government, territories, and Indian tribes, shall develop and maintain a publicly accessible national landslide hazard and risk inventory database to compile, maintain, standardize, and evaluate data regarding—
- (A) landslide hazards and risks;
 - (B) the impact of landslides on—
 - (i) health and safety;
 - (ii) the economy and infrastructure; and
 - (iii) the environment;
 - (C) landslide hazard stabilization; and
 - (D) reduction of losses from landslides.
- (4) LANDSLIDE HAZARD AND RISK PREPAREDNESS FOR COMMUNITIES.—In carrying out the program, the Secretary, in coordination with the Secretary of the Army, the Secretary of Commerce, the Secretary of Homeland Security, the Secretary of Transportation, and the heads of other relevant Federal agencies, and in consultation with State offices, units of local government, territories, and Indian tribes, shall develop and disseminate—
- (A) landslide planning and risk reduction guidance, guidelines, maps, tools, and training materials to help in-

form State, territorial, local, and Tribal governments and decisionmakers with respect to—

- (i) the use and implementation of landslide hazard assessments;
- (ii) the applied use of the database developed under paragraph (3);
- (iii) reducing losses from landslides; and
- (iv) resources available for communities working to improve landslide hazard preparedness; and

(B) landslide preparedness curricula and training modules for—

- (i) State, territorial, local, and Tribal officials;
- (ii) Federal, State, territorial, local, and Tribal emergency managers; and
- (iii) the National Guard.

(5) DEBRIS FLOW EARLY WARNING SYSTEM.—In carrying out the program, the Secretary, in coordination with the Secretary of Commerce and the Secretary of Homeland Security, shall expand the early warning system for debris flow by—

(A) expanding the early warning system for post-wildfire debris flow to include recently burned areas across the western United States;

(B) developing procedures with State, territorial, local, and Tribal governments to monitor stormwater drainage in areas with high debris flow risk; and

(C) identifying high-risk debris flow areas, such as recently burned land and potential lahar hazard areas.

(6) EMERGENCY RESPONSE ACTIVITIES.—In carrying out the program, the Secretary, in coordination with the Secretary of Commerce, the Secretary of Homeland Security, the heads of other relevant Federal agencies, States offices, units of local government, territories, and Indian tribes, shall establish and support emergency response procedures for the rapid deployment of Federal scientists, equipment, and services to areas impacted by a significant landslide event—

(A) to support emergency response efforts and improve the safety of emergency responders;

(B) to improve data collection; and

(C) to conduct research to advance the understanding of the causes, impacts, and reduction of landslide hazards and risks.

(c) INTERAGENCY COORDINATING COMMITTEE ON LANDSLIDE HAZARDS.—

(1) IN GENERAL.—There is established a committee, to be known as the “Interagency Coordinating Committee on Landslide Hazards”.

(2) MEMBERSHIP.—The Committee shall be composed of the following members (or their designees):

(A) The Secretary, who shall serve as Chairperson of the Committee.

(B) The Secretary of Agriculture.

(C) The Secretary of the Army.

(D) The Secretary of Commerce.

(E) The Secretary of Homeland Security.

(F) The Secretary of Transportation.

(G) The Director of the National Science Foundation.

(H) The Director of the Office of Science and Technology Policy.

(I) The Director of the Office of Management and Budget.

(J) *The Administrator of the National Aeronautics and Space Administration.*

(3) MEETINGS.—The Committee shall meet at the call of the Chairperson.

(4) PURPOSE AND DUTIES.—The Committee shall—

(A) advise and oversee the program;

(B) facilitate communication and coordination across Federal agencies in the planning, management, budgeting, and execution of landslide activities; and

(C) support the development and execution of the national strategy under subsection (b)(2), including by—

(i) supporting the development of national goals and priorities for the national strategy;

(ii) articulating Federal agency roles, responsibilities, and resources for carrying out the national strategy; and

(iii) overseeing the implementation of the national strategy.

(d) ADVISORY COMMITTEE.—

(1) IN GENERAL.—The Secretary shall establish an advisory committee, to be known as the “Advisory Committee on Landslides” (referred to in this subsection as the “Advisory Committee”).

(2) MEMBERSHIP.—The Advisory Committee shall be composed of not fewer than 11 members—

(A) of whom none may be an individual described in any of subparagraphs (A) through (F) of section 7342(a)(1) of title 5, United States Code; and

(B) who shall be representatives of—

(i) States, including State geological organizations;

(ii) territories, including territorial geological organizations;

(iii) Indian tribes, including Tribal geological organizations;

(iv) research institutions and institutions of higher education that are qualified—

(I) to provide advice regarding landslide hazard and risk reduction; and

(II) to represent related scientific, architectural, engineering, and planning disciplines;

(v) industry standards development organizations; and

(vi) State, territorial, local, and Tribal emergency management agencies.

(3) RECOMMENDATIONS.—

(A) IN GENERAL.—The Advisory Committee shall submit to the Committee recommendations for the implementation of the program, including recommendations regarding—

(i) landslide hazard and risk reduction and planning;

- (ii) tools for communities;
- (iii) research; and
- (iv) such other topics as the Advisory Committee determines appropriate.

(B) CONSIDERATION.—The Secretary and the agency heads described in subparagraphs (B) through (I) of subsection (c)(2) shall take into consideration any recommendation of the Advisory Committee submitted under subparagraph (A).

(e) GRANT PROGRAMS.—

(1) COOPERATIVE LANDSLIDE HAZARD MAPPING AND ASSESSMENT PROGRAM.—

(A) IN GENERAL.—Subject to appropriations, the Secretary may—

- (i) provide grants, on a competitive basis, to State, territorial, local, and Tribal governments to research, map, assess, and collect data on landslide hazards within the jurisdictions of those governments; and
- (ii) accept and use funds received from other Federal and non-Federal partners to advance the purposes of the program.

(B) PRIORITY.—

(i) IN GENERAL.—The Secretary shall consult annually with the Committee, States, units of local government, territories, and Indian tribes to establish priorities for the grant program under this paragraph.

(ii) FUNDING PRIORITIZATION.—In providing grants under this paragraph, the Secretary shall give priority to projects—

(I) that will achieve the greatest landslide hazard and risk reduction;

(II) that reflect the goals and priorities of the national strategy established under subsection (b)(2)(A);

(III) not less than 50 percent of the total cost of which is matched by non-Federal sources; and

(IV) that include acquisition of enhanced elevation data consistent with the 3D Elevation Program.

(C) REQUIREMENT.—If the Secretary elects to provide grants under subparagraph (A)(i), the Secretary shall publish on a publicly available website a description of—

- (i) the grants; and
- (ii) the findings made from those grants.

(2) NATIONAL LANDSLIDE RESEARCH GRANTS.—

(A) IN GENERAL.—To advance the goals and priorities of the national strategy established under subsection (b)(2)(A), subject to appropriations, the Director of the National Science Foundation (referred to in this paragraph as the “Director”) may provide grants to eligible entities for landslide research, including research on—

(i) the causes, mechanisms, triggers, hydrology, and geology of landslides;

(ii) ways to reduce landslide hazards and risks to minimize loss of life and property, including landslide

hazard and risk communication, perception, decision-making, tools, and technologies; and

(iii) other goals and priorities of the national strategy established under subsection (b)(2)(A).

(B) ELIGIBLE ENTITIES.—The Director shall determine whether an entity is eligible to receive a grant under this paragraph.

(C) REQUIREMENTS.—In providing grants under this paragraph, the Director shall—

(i) ensure that the grants are provided on a competitive basis;

(ii) consider grant applications submitted by eligible entities that have developed the application in partnership with 1 or more State geological surveys; and

(iii) publish on a publicly available website a description of—

(I) the grants; and

(II) the findings made from those grants.

(f) BIENNIAL REPORT.—Through calendar year 2030, the Secretary shall submit to Congress a biennial report, including a description of, with respect to the 2-calendar-year period preceding the date of the report—

(1) the goals and accomplishments of the Committee in carrying out the national strategy developed under subsection (b)(2);

(2) the results of the activities of the Committee under this section; and

(3) the extent to which any recommendations of the Advisory Committee under subsection (d)(3)(A) have been implemented.

(g) SIGNIFICANT EVENTS.—Not later than 1 year after a significant landslide event in the United States (including territories) occurs, the Secretary shall publish on a publicly available website—

(1) a description of the landslide event and the implications of the event on communities, including life and property;

(2) recommendations on how the identification of the landslide risk could have been improved prior to the event;

(3) a description of the effectiveness of any warning and risk communication, including the dissemination of warnings by State, territorial, local, and Tribal partners in the affected area;

(4) recommendations to improve risk identification, reduction, and communication to landowners and units of local government;

(5) recommendations to improve landslide hazard preparedness and emergency response activities under this section; and

(6) such other findings as the Secretary determines appropriate.

(h) FUNDING.—For each of fiscal years 2021 through **[2024]** 2029—

(1) there is authorized to be appropriated to the United States Geological Survey, \$25,000,000 to carry out this section;

(2) there is authorized to be appropriated to the National Science Foundation, \$11,000,000 to carry out this section; and

(3) there is authorized to be appropriated to the National Oceanic and Atmospheric Administration, \$1,000,000 to carry out this section.

(i) DERIVATION OF FUNDS.—Funds to carry out the activities under this section shall be derived from amounts authorized to be appropriated that are enacted after the date of the enactment of this section.

* * * * *

SEC. 5. 3D ELEVATION PROGRAM.

(a) ESTABLISHMENT OF 3D ELEVATION PROGRAM.—

(1) IN GENERAL.—The Secretary shall establish a program, to be known as the “3D Elevation Program”—

(A) to provide 3D elevation *and derivative* data coverage for the United States;

(B) to coordinate and facilitate the collection, dissemination, and use of 3D elevation data among Federal departments and agencies and non-Federal entities;

(C) to produce standard, publicly accessible 3D elevation data products for the United States; and

(D) to promote the collection, dissemination, and use of 3D elevation data among Federal, State, local, and Tribal governments, communities, institutions of higher education, and the private sector through—

(i) cooperative agreements;

(ii) the development and maintenance of spatial data infrastructure to provide quality control and deliver to the public 3D elevation data products;

(iii) in coordination with the 3D Elevation Federal Interagency Coordinating Committee established under subsection (b), States, and industry and standards bodies, the development of standards and guidelines for 3D elevation data acquisition to increase accessibility to 3D elevation data in a standard, easy-to-use format; and

(iv) the identification, assessment, and adoption of emerging technologies to improve the accuracy and efficiency of the 3D Elevation Program.

(2) MANAGEMENT.—

(A) IN GENERAL.—The Secretary shall manage the 3D Elevation Program—

(i) to ensure efficiency with respect to related activities of the Department of the Interior and other participating Federal departments and agencies; and

(ii) to meet the needs of Department of the Interior programs, stakeholders, and the public.

(B) OTHER FEDERAL DEPARTMENTS AND AGENCIES.—The head of each Federal department and agency involved in the acquisition, production, distribution, or application of 3D elevation data shall—

(i) coordinate with the 3D Elevation Federal Interagency Coordinating Committee established under subsection (b) to acquire, *process, and integrate* additional, enhanced 3D elevation data;

(ii) submit to the Secretary a description of priority areas of interest for 3D elevation data collection for use in providing grants and cooperative agreements under subsection (d);

(iii) implement policies and procedures for data acquisition and sharing that are consistent with standards and guidelines developed under the 3D Elevation Program;

(iv) participate in, and share the results and benefits of, the 3D Elevation Program, in accordance with standards and guidelines developed under the 3D Elevation Program; and

(v) ensure that any 3D elevation data acquired with Federal grant funding—

(I) meets 3D Elevation Program standards; and

(II) is included in the national holdings of those data.

(b) 3D ELEVATION FEDERAL INTERAGENCY COORDINATING COMMITTEE.—

(1) ESTABLISHMENT.—The Secretary, in coordination with the Secretary of Commerce and the Secretary of Homeland Security, shall establish an interagency coordinating committee, to be known as the “3D Elevation Federal Interagency Coordinating Committee” (referred to in this subsection as the “Committee”), to better coordinate 3D elevation data management across the Federal Government.

(2) MEMBERSHIP.—The Committee shall be composed of the following members (or their designees):

(A) The Secretary, who shall serve as Chairperson of the Committee.

(B) The Secretary of Agriculture.

(C) The Secretary of Commerce.

(D) The Secretary of Homeland Security.

(E) The Director of the National Science Foundation.

(F) The Director of the Office of Science and Technology Policy.

(G) The Director of the Office of Management and Budget.

(H) The head of any other Federal department or agency, at the request of the Secretary.

(3) COORDINATION.—The Committee shall coordinate, as appropriate, with the existing activities of—

(A) the 3D Elevation Program Executive Forum;

(B) the Alaska Mapping Executive Committee;

(C) the 3D Elevation Working Group;

(D) *the 3D Hydrography Program Working Group;*

[(D)] (E) the 3D National Elevation Subcommittee; and

[(E)] (F) State offices.

(4) MEETINGS.—The Committee shall meet at the call of the Chairperson.

(5) DUTIES.—The Committee shall—

(A) oversee the planning, management, and coordination of the 3D Elevation Program; and

(B) develop, by not later than 1 year after the date of enactment of this Act, and update periodically thereafter—

- (i) a strategic plan that establishes goals and priorities for activities carried out under the 3D Elevation Program; and
- (ii) a detailed management plan to implement the strategic plan.

(c) SUBCOMMITTEE OF NATIONAL GEOSPATIAL ADVISORY COMMITTEE.—

(1) ESTABLISHMENT.—

(A) IN GENERAL.—The Secretary shall establish, within the National Geospatial Advisory Committee, a subcommittee (referred to in this subsection as the “Subcommittee”).

(B) MEMBERSHIP.—The Subcommittee shall—

- (i) consist of not fewer than 11 members, of whom none may be a Federal officer or employee; and
- (ii) include representatives of—
 - (I) research and academic institutions;
 - (II) industry standards development organizations;
 - (III) units of State and local government; and
 - (IV) the private sector.

(2) DUTIES.—

(A) ASSESSMENT.—The Subcommittee shall conduct an assessment of—

- (i) trends and developments in—
 - (I) the collection, dissemination, and use of 3D elevation data; and
 - (II) science and technology relating to 3D elevation data;
- (ii) the effectiveness of the 3D Elevation Program in carrying out the activities described in subsection (a)(1);
- (iii) the need to revise or reorganize the 3D Elevation Program; and
- (iv) the management, coordination, implementation, and activities of the 3D Elevation Program.

(B) REPORT.—Not later than 1 year after the date of enactment of this Act, and every 2 years thereafter, the Subcommittee shall submit to the Secretary and the 3D Elevation Federal Interagency Coordinating Committee established under subsection (b) a report that includes—

- (i) the findings of the assessment under subparagraph (A); and
- (ii) recommendations of the Subcommittee based on those findings, if any.

(d) GRANTS AND COOPERATIVE AGREEMENTS.—

(1) IN GENERAL.—The Secretary may make grants and enter into cooperative agreements with other Federal departments and agencies, units of State, local, or Tribal government, institutions of higher education, nonprofit research institutions, or other organizations to facilitate the improvement of nationwide coverage of 3D elevation data.

(2) APPLICATIONS.—To be eligible to receive a grant or enter into a cooperative agreement under this subsection, an entity described in paragraph (1) shall submit to the Secretary an ap-

plication at such time, in such manner, and containing such information as the Secretary may require.

(3) TERMS AND CONDITIONS.—A grant or cooperative agreement under this subsection shall be subject to such terms and conditions as the Secretary determines to be appropriate, including making data **publically** *publicly* available and interoperable with other Federal datasets.

(e) FUNDING.—For each of fiscal years 2021 through **2024** 2029, there is authorized to be appropriated to the Secretary \$40,000,000 to carry out this section.

(f) DERIVATION OF FUNDS.—Funds to carry out the activities under this section shall be derived from amounts authorized to be appropriated to the Secretary that are enacted after the date of the enactment of this section.

