

## Calendar No. 702

108TH CONGRESS  
2D SESSION**S. 1230****[Report No. 108-348]**

To provide for additional responsibilities for the Chief Information Officer of the Department of Homeland Security relating to geospatial information.

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IN THE SENATE OF THE UNITED STATES

JUNE 11, 2003

Mr. ALLARD introduced the following bill; which was read twice and referred to the Committee on Governmental Affairs

SEPTEMBER 20, 2004

Reported by Ms. COLLINS, with an amendment and an amendment to the title  
[Strike out all after the enacting clause and insert the part printed in italic]

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**A BILL**

To provide for additional responsibilities for the Chief Information Officer of the Department of Homeland Security relating to geospatial information.

1       *Be it enacted by the Senate and House of Representa-*  
2       *tives of the United States of America in Congress assembled,*

3       **SECTION 1. GEOSPATIAL INFORMATION.**

4       ~~(a) DEFINED TERM.—In this Act, the term~~  
5       ~~“geospatial information” means collecting, storing, re-~~

1 triev~~ing~~, or disseminating graphical or digital data depict-  
 2 ing natural or manmade physical features, phenomena or  
 3 boundaries of the earth and any information related there-  
 4 to, including surveys, maps, charts, remote sensing data  
 5 and images and aerial photographic services, with services  
 6 performed by professionals such as surveyors,  
 7 photogrammetrists, hydrographers, geodesists, cartog-  
 8 raphers, and other such services of an architectural or en-  
 9 gineering nature.

10 (b) COORDINATION OF GEOSPATIAL INFORMATION.—

11 The Chief Information Officer of the Department of  
 12 Homeland Security shall establish and carry out a pro-  
 13 gram to provide for the efficient use of geospatial informa-  
 14 tion, which shall include—

15 (1) providing such geospatial information as  
 16 may be necessary to implement the critical infra-  
 17 structure protection programs designated pursuant  
 18 to section 213 of the Homeland Security Act of  
 19 2002 (Public Law 107–296); and

20 (2) providing leadership in meeting the require-  
 21 ments of, and populate the databases used by, those  
 22 responsible for planning, prevention, mitigation, as-  
 23 sessment and response to emergencies, critical infra-  
 24 structure and other functions of the Department of  
 25 Homeland Security, and to assure the interoper-

1 ability of, and prevent unnecessary duplication of,  
 2 geospatial information among all users.

3 ~~(c) RESPONSIBILITIES.—In carrying out subsection~~  
 4 ~~(b), the responsibilities of the Chief Information Officer~~  
 5 ~~shall include—~~

6 ~~(1) managing the geospatial information needs~~  
 7 ~~and activities of the Department of Homeland Secu-~~  
 8 ~~rity;~~

9 ~~(2) establishing such standards as are necessary~~  
 10 ~~to assure the interoperability of geospatial informa-~~  
 11 ~~tion pertaining to homeland security among all users~~  
 12 ~~of such information within—~~

13 ~~(A) the Department of Homeland Security;~~

14 ~~(B) other agencies;~~

15 ~~(C) State and local government; and~~

16 ~~(D) the private sector;~~

17 ~~(3) coordinating with and providing liaison to~~  
 18 ~~the Federal Geographic Data Committee and ear-~~  
 19 ~~rying out the responsibilities of the Department of~~  
 20 ~~Homeland Security pursuant to Office of Manage-~~  
 21 ~~ment and Budget Circular A-16 and Executive~~  
 22 ~~Order 12906;~~

23 ~~(4) providing grants—~~

24 ~~(A) to fund the creation of data; and~~

1           (B) to execute information sharing agree-  
 2           ments with State, local, and tribal governments;  
 3           and

4           (5) to the maximum extent possible, ensuring  
 5           that the Department of Homeland Security utilizes  
 6           commercial geospatial data and services available by  
 7           awarding contracts to entities in the private sector.

8   **SECTION 1. SHORT TITLE.**

9           *This Act may be cited as the “Homeland Security Geo-*  
 10          *graphic Information Act of 2004”.*

11   **SEC. 2. FINDINGS.**

12          *Congress finds that—*

13           (1) *geographic technologies and geographic data*  
 14           *improve government capabilities to detect, plan, pre-*  
 15           *pare, and respond to disasters in order to save lives*  
 16           *and protect property;*

17           (2) *geographic data improves the ability of infor-*  
 18           *mation technology applications and systems to en-*  
 19           *hance public security in a cost-effective manner; and*

20           (3) *geographic information preparedness in the*  
 21           *United States, and specifically in the Department of*  
 22           *Homeland Security, is insufficient because of—*

23           (A) *inadequate geographic data compat-*  
 24           *ibility;*

1                   (B) insufficient geographic data sharing;

2                   and

3                   (C) technology interoperability barriers.

4 **SEC. 3. HOMELAND SECURITY GEOGRAPHIC INFORMATION.**

5       Section 703 of the Homeland Security Act of 2002 (6  
6 U.S.C. 343) is amended—

7                   (1) by inserting “(a) *IN GENERAL.*—” before  
8       *“The Chief Information”*; and

9                   (2) by adding at the end the following:

10       “(b) *GEOGRAPHIC INFORMATION FUNCTIONS.*—

11                   “(1) *DEFINITION.*—In this subsection, the term  
12       ‘geographic information’ means the information sys-  
13       tems that involve locational data, such as maps or  
14       other geospatial information resources.

15                   “(2) *OFFICE OF GEOSPATIAL MANAGEMENT.*—

16                   “(A) *ESTABLISHMENT.*—The Office of  
17       Geospatial Management is established within the  
18       Office of the Chief Information Officer.

19                   “(B) *GEOSPATIAL INFORMATION OFFICER.*—

20                   “(i) *APPOINTMENT.*—The Office of  
21       Geospatial Management shall be adminis-  
22       tered by the Geospatial Information Officer,  
23       who shall be appointed by the Secretary  
24       and serve under the direction of the Chief  
25       Information Officer.

1                   “(ii) *FUNCTIONS.—The Geospatial In-*  
 2                   *formation Officer shall assist the Chief In-*  
 3                   *formation Officer in carrying out all func-*  
 4                   *tions under this section and in coordinating*  
 5                   *the geographic information needs of the De-*  
 6                   *partment.*

7                   “(C) *COORDINATION OF GEOGRAPHIC IN-*  
 8                   *FORMATION.—The Chief Information Officer*  
 9                   *shall establish and carry out a program to pro-*  
 10                  *vide for the efficient use of geographic informa-*  
 11                  *tion, which shall include—*

12                   “(i) *providing such geographic infor-*  
 13                   *mation as may be necessary to implement*  
 14                   *the critical infrastructure protection pro-*  
 15                   *grams;*

16                   “(ii) *providing leadership and coordi-*  
 17                   *nation in meeting the geographic informa-*  
 18                   *tion requirements of those responsible for*  
 19                   *planning, prevention, mitigation, assess-*  
 20                   *ment and response to emergencies, critical*  
 21                   *infrastructure protection, and other func-*  
 22                   *tions of the Department; and*

23                   “(iii) *coordinating with users of geo-*  
 24                   *graphic information within the Department*

1           to assure interoperability and prevent un-  
2           necessary duplication.

3           “(D) *RESPONSIBILITIES.*—*In carrying out*  
4           *this subsection, the responsibilities of the Chief*  
5           *Information Officer shall include—*

6                   “(i) *coordinating the geographic infor-*  
7                   *mation needs and activities of the Depart-*  
8                   *ment;*

9                   “(ii) *implementing standards, as*  
10                  *adopted by the Director of the Office of*  
11                  *Management and Budget under the proc-*  
12                  *esses established under section 216 of the E-*  
13                  *Government Act of 2002 (44 U.S.C. 3501*  
14                  *note), to facilitate the interoperability of ge-*  
15                  *ographic information pertaining to home-*  
16                  *land security among all users of such infor-*  
17                  *mation within—*

18                           “(I) *the Department;*

19                           “(II) *State and local government;*

20                           *and*

21                           “(III) *the private sector;*

22                   “(iii) *coordinating with the Federal*  
23                  *Geographic Data Committee and carrying*  
24                  *out the responsibilities of the Department*  
25                  *pursuant to Office of Management and*

1                   *Budget Circular A-16 and Executive Order*  
 2                   *12906; and*

3                   “(iv) *making recommendations to the*  
 4                   *Secretary and the Executive Director of the*  
 5                   *Office for State and Local Government Co-*  
 6                   *ordination and Preparedness on awarding*  
 7                   *grants to—*

8                   “(I) *fund the creation of geo-*  
 9                   *graphic data; and*

10                  “(II) *execute information sharing*  
 11                  *agreements regarding geographic data*  
 12                  *with State, local, and tribal govern-*  
 13                  *ments.*

14                  “(3) *AUTHORIZATION OF APPROPRIATIONS.—*  
 15                  *There are authorized to be appropriated such sums as*  
 16                  *may be necessary to carry out this subsection for each*  
 17                  *fiscal year.”.*

Amend the title so as to read: “A bill to provide for additional responsibilities for the Chief Information Officer of the Department of Homeland Security relating to geographic information.”.





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