ITA

Idaho Technology Authority

FY2014 / FY2015 Report

Dan Goicoechea, ITA Chair
Chief Deputy Controller, Division of Administration
Office of the State Controller

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ITA MEMBERS

STATUTORY	State Controller, Office of the State Controller	**(Brandon Woolf) Dan Goicoechea (CHAIR)**
	Director, Department of Health & Welfare	**(Richard Armstrong) Dave Taylor**
	Director, Department of Labor	**(Kenneth D. Edmunds) Jay Engstrom**
	Director, Department of Transportation	**(Brian Ness) Charlene McArthur**
	Director, Idaho State Police	**(Col. Ralph Powell) Maj. Kevin Hudgens**
	Director, Department of Correction	**(Kevin H. Kempf) Pat Donaldson**
	Director, Legislative Services Office	**(Eric Milstead) Cathy Holland-Smith**
	Chief Technology Officer, Department of Administration	**Greg Zickau**
	Administrator, Division of Financial Management	**(Jani Revier) David Fulkerson**
	Executive Director, State Board of Education	**Matt Freeman**
	Adjutant General, Idaho Military Division	**Maj. Gen. Gary Sayler / Richard Turner**
	Chair, Idaho Geospatial Council – Executive Committee	**Pam Bond**
LEGISLATIVE	Senator	**Sen. Cliff Bayer (R)**
	Representative	**Rep. John Gannon (D)**
JUDICIAL	Representative	**Kevin Iwersen**
GUBERNATORIAL	Representative from private industry	**Jim Nottingham Hewlett-Packard**
	Employee from state government	**Carmen Mendez Achabal Dept. of Commerce**

ITA OVERVIEW AND GOVERNANCE

The ITA was created by statute (I.C. § 67-5745) during the 2013 legislative session to provide direction and leadership regarding the business needs of the state IT community, and to "… improve the efficiency and productivity of state government, to encourage public access to government information…." The statute states that the ITA "will facilitate a centralized approach to the acquisition and evaluation of necessary technical information and the informed development of a statewide strategic plan to ensure a coordinated approach to the design, procurement and implementation of information technology and telecommunications systems … for … state government…."
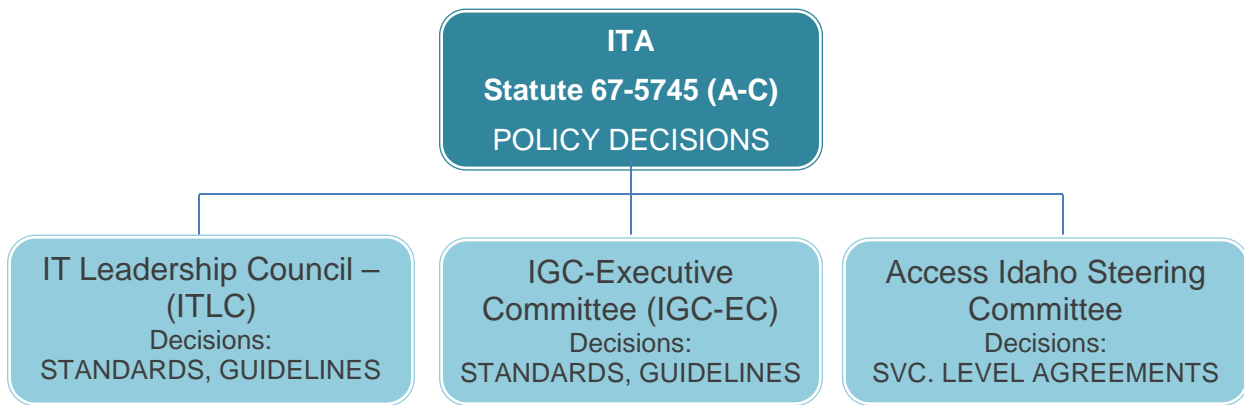
Included in its duties, the ITA:
- Reviews and evaluates IT and telecommunications systems
- Prepares statewide IT and telecommunications plans
- Identifies technology opportunities
- Facilitates and monitors statewide programs, to ensure they are effective, beneficial, and utilized on a statewide basis.

Since its creation, the ITA has:
- Approved the continuation of the IT policies, standards and guidelines, as established by ITRMC
- Approved new or revised policies related to Cyber Security Incident Reporting; Use of Social Networking Sites; The protection of private citizen information by agencies; Employee internet use, monitoring and filtering; Online (cloud) file storage services; and Web publishing
- Approved two agency exemptions from policy due to sound business reasons
- Heard updates on Public Safety Communications; IT Staffing Issues; Cyber Security; Telecommunications contracts; Data breach reporting requirements and the IT billing rule promulgated by the Department of Administration during the 2015 legislative session
- Heard regular updates from its subcommittees
- Reviewed and approved the goals, objectives and strategies of the 2014 State Government Technology Strategic Plan

STRUCTURE OF THE ITA AND ITS SUBCOMMITTEES:

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                    │          ITA            │
                    │  Statute 67-5745 (A-C)  │
                    │    POLICY DECISIONS     │
                    └─────────────────────────┘
        ┌───────────────────┼───────────────────┐
┌──────────────────┐ ┌──────────────────┐ ┌──────────────────┐
│ IT Leadership    │ │ IGC-Executive    │ │ Access Idaho     │
│ Council – (ITLC) │ │ Committee        │ │ Steering         │
│ Decisions:       │ │ (IGC-EC)         │ │ Committee        │
│ STANDARDS,       │ │ Decisions:       │ │ Decisions:       │
│ GUIDELINES       │ │ STANDARDS,       │ │ SVC. LEVEL       │
│                  │ │ GUIDELINES       │ │ AGREEMENTS       │
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ITA STAFF

The Office of the CIO provides staff support for, and works in tandem with, the ITA to improve the efficiency and productivity of Idaho State Government in its statewide use of emerging information technologies and communications services.

Staff is responsible for development of the State's IT Plan; staffing support to the council; research and development of statewide IT applications; and coordination, facilitation and implementation of the State's long-range, enterprise-wide technology planning efforts and initiatives.

Staff assists state agencies in effectively meeting their individual information technology needs. In cooperation with agency directors and IT management, they ensure that respective agency IT plans and major IT projects are in harmony with the direction established by the State IT Strategic Plan and comply with the IT Policies, Standards and Guidelines as adopted by the ITA.

CHIEF TECHNOLOGY OFFICER
Greg Zickau
(208) 332-1875
greg.zickau@cio.idaho.gov

CHIEF OF OPERATIONS
Jon Pope
(208) 332-1858
jon.pope@cio.idaho.gov

GEOSPATIAL INFORMATION OFFICER
ENTERPRISE APPLICATIONS MANAGER
CUSTOMER RELATIONS
Bill Farnsworth
(208) 332-1878
bill.farnsworth@cio.idaho.gov

STATE CYBER SECURITY OFFICER
Tom Olmstead
(208) 332-1851
thomas.olmstead@cio.idaho.gov

ADMINISTRATIVE ASSISTANT
Erin Seaman
(208) 332-1876
erin.seaman@cio.idaho.gov

IT LEADERSHIP COUNCIL (ITLC)

This subcommittee is comprised of agency IT managers from nineteen permanent member agencies, and meets bi-monthly. Its mission is to provide leadership in the development and implementation of Idaho's Information Technology Strategic Plan goals as outlined in its charter.

CHARTER: http://ita.idaho.gov/documents/ITLC_Charter_August_2014.pdf

MEMBERS

Department of Health and Welfare	MICHAEL FARLEY *(CHAIR)*
Idaho Transportation Department	SHANNON BARNES *(VICE CHAIR)*
Department of Fish & Game	BOB ROSS
Department of Insurance	BECKY BARTON-WAGNER
Department of Labor	ERIC BECK
Department of Lands	DAN RAIHA
Department of Parks & Recreation	SCOTT WILLIAMS
Department of Water Resources	GLEN GARDINER
Division of Vocational Rehabilitation	STEPHEN DEBOARD
Health Districts	BOB NERTNEY
Idaho Military Division	MIKE LANGRELL
Idaho State Police	STAN PASSEY
Idaho Tax Commission	MIKE TELLER
Industrial Commission	ROBERT BUTLER
Office of the CIO	GREG ZICKAU
Office of the State Controller	TAMMY SHIPMAN
Department of Correction	RANDY TURNER
State Supreme Court	KEVIN IWERSEN
State Department of Education	CHRIS CAMPBELL

RESPONSIBILITY / AUTHORITY OF ITLC:

1. Implement the duties and responsibilities delegated by the Idaho Technology Authority (ITA) under I.C. 67-5745(C).
2. Develop and recommend policies for approval by ITA.
3. Create and approve technology standards and guidelines.
4. Review and approve large-scale technology projects.
5. Provide operational oversight of enterprise utility services offered to state organizations as part of the federated model.
6. Plan for enterprise services focusing on innovation, improving service and cost savings.
7. Perform other duties authorized or assigned by relevant authority.
8. Report to ITA as required.
9. Develop, implement and refine a cooperative process for state agency IT Governance based upon a federated model.
10. Provide a forum to advocate and recommend to ITA adequate budgeting of collaborative projects and consolidation efforts.

During FY2014 and FY2015, the ITLC:

- Developed policy and guidance (Policy P4120 and Guideline G595) governing the use of online file storage services
- Developed policy and guidance (Policy P5040 and Guideline G330) governing the use of, and best practices for, social networking sites
- Recommended revisions and updates on three general policies, one security (computer and operations management) policy, and one information and data policy
- Revised and updated three standards and two guidelines
- Discussed IT-related procurement issues
- Explored and discussed cloud opportunities and commenced work on the development of a cloud computing policy
- Commenced work, along with the Division of Human Resources and the Hay Group, on updating and improving the IT employee classification system

Security TWG –

- Focused on incident response capabilities, in conjunction with the development of the Idaho Cyber Annex led by the Bureau of Homeland Security
- Evaluated and made recommendations for the State Security Contract, which will lead to an increased number of security technology options for the benefit of all agencies, who had input into the revised contract through the TWG
- Development and review of policies, standards and guidelines related to IT security

Public / Private Cloud TWG –

In preparation for the current IT Strategic Plan, under the leadership of the Office of the CIO, this group reported to the full ITLC the results of their efforts. The TWG met several times during the preceding months including contact with Gartner Analysts and the CIO of the Federal GSA.

Research findings were delivered to the full ITLC covering Microsoft, Google, Sales Force, NASCIO's Capital in Cloud and a Gartner risk mitigation summary. The TWG found:

1. The "Cloud" is important
   a. #1 technology priority among state CIO's
   b. #4 strategic priority among state CIO's
   c. Selective Cloud technologies have transformational potential in the next 2-5 years
   d. Multiple cloud technologies are becoming mature and productive
2. There are serious implications for government
   a. The cost of shared services vs individual silos need to be assessed
   b. There are real opportunities for cross agency and cross jurisdictional collaboration
   c. We need to inventory our portfolios and plan for an evolution that includes "The Cloud"
3. Time line recommended for action
   a. In FY 2014 we should continue to identify opportunities
   b. In FY 2015 we have submitted the State's Cloud Policy to ITLC, which recommends approval by ITA; the draft Cloud Policy is scheduled to be presented at the next ITA meeting (September 2015)
   c. In FY 2015 we should be able to procure initial implementations
   d. In FY 2016 we should be able to articulate successes and leverage opportunities beyond the initial projects

Idaho State Network Oversight Committee (ISNOC) –

- Direct review and input into the Network Services RFP. This will lead to a new and expanded network services contract that all state agencies will use to purchase network connectivity across the state.

- Expanded use and investment in the State's Microwave Services. The work done here will lead to expanded use of Microwave services to provide additional primary and backup communication options across the state, and particularly in hard-to-reach locations, for all state agencies which may benefit from this service. The Department of Health & Welfare is establishing a test connection with Microwave services at their Mountain Home location now. Also, a focus on expanding service into the Orofino area was identified as a priority for the state, so Microwave Services is putting a priority on expansion in this location.

- Future initiatives will focus on the expansion of wireless services, mobile device management and voice circuit consolidation.

2014 ITLC STRATEGIC PLANNING

ITLC members, along with several ITA members, participated in an initial meeting to prioritize concepts for discussion, followed by a two-day strategic planning on October 16 and 17. The resulting objectives align with the state strategic goals as illustrated below. The full 2014 State Government Technology Strategic Plan can be found on the "Resources" page of the ITA website. There were also several operational imperatives which were identified for inclusion in the Plan.

Improve delivery and accessibility of government services and information

- Create mobile services for citizens in a universal platform framework with access to services any place, any time.
- Leverage the more user-friendly mapping applications to make geo-information more shareable and usable.
- Recommend that all relevant data is geo-coded.

Manage IT and information from the perspective of state government as a whole.

- To provide infrastructure and managed services for data, voice and video that are secure and available, properly scaled and distributed with universal connectivity throughout the state in a cost-effective manner.

Safeguard the privacy and confidentiality of information.

- To implement cyber security best practices in order to help manage cyber security risks and maintain the integrity of state information.

Promote collaborative relationships among all entities, public and private.

- Encourage open data by developing a policy that online mapping services are evaluated as an option for any new updated offerings.

Seek improvement in all aspects of information technologies and services.

- Capture effectiveness and efficiency of scale to deliver services while protecting the integrity of data.
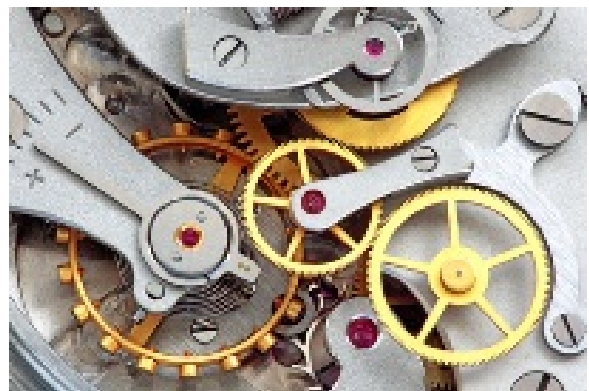
STRATEGIC PLAN OPERATIONAL IMPERATIVES:

Define problems with procurement:

- Address IT procurement constraints
- Create a subgroup similar to a TWG to define issues
- Elevate issues to ITA
- Review state statutes on procurement (modify, modernize)

Improve Recruitment and Retention of IT Staff

Improve citizen services on Idaho.gov

IDAHO GEOSPATIAL COUNCIL – EXECUTIVE COMMITTEE (IGC-EC)

The IGC-EC is comprised of geospatial technology leaders from agencies and around the state and meets bi-monthly to provide policy-level direction and promote the efficient and effective use of resources for matters related to Geographic Information. This committee acts as the decision-making and steering body for the Idaho Geospatial Council (IGC).

By-Laws: http://ita.idaho.gov/documents/IGCBylawsMarch2014.pdf

MEMBERS

STANDING MEMBERS

Idaho Geospatial Information Officer:	Bill Farnsworth
INSIDE Geospatial Clearing House:	Bruce Godfrey
USGS Liaison:	Tom Carlson
GIS Training and Research Center:	Keith Weber

ELECTED MEMBERS *

STATE:	**Pam Bond** *(CHAIR)*	Dept. of Fish & Game
	Brynn Lacabanne	Idaho Transportation Dept.
FEDERAL:	**Jerry Korol**	Natural Resources Conservation Service (NRCS)
	Wendy Hawley	U.S. Census Bureau
LOCAL:	**Jared Stein**	Bannock County Assessor
	Donna Phillips	City of Hayden
	Dennis Hill	City of Pocatello
TRIBAL:	**Laurie Ames**	Nez Perce Tribe
UTILITY:	**Brian Liberty**	Idaho Power
PRIVATE:	**Frank Roberts**	Innovate! Inc.
OPEN:	**Stewart Ward**	Dioptra Geomatics
	Wilma Robertson	Idaho State Tax Commission

* The ITA retains the authority to approve elected members, with elected members serving staggered, two-year terms beginning April 1 and ending March 31. Elections are coordinated by ITA staff.

During FY2014 and FY2015, the IGC-EC:

- Developed guidance (Guideline G350) to define and clarify a methodology for recognizing The Idaho Map (TIM) Framework Datasets in order to provide those looking for statewide GIS datasets a way to identify the best available data for each Framework Theme.
- Created a Soils Technical Work Group (TWG) to provide an avenue for documenting why multiple soil datasets might be recognized.
- Discussed the need for an inventory of geospatial data and a way to flag authoritative datasets. Authoritative Idaho framework data layers would be decided upon by the different GIS working groups.
- Approved the signing of a letter of support by the Chair, in support of proposed legislation to amend the legal definition of land surveying in Idaho Code. The proposed legislation passed during the 2015 legislative session and has been signed by the Governor.
- Approved the National Hydrography Dataset as the Framework Dataset for the Water Resources Element of the Hydrography Framework Data Theme, and approved the Watershed Boundary Dataset as the Framework Dataset of the Watershed Element of the Hydrography Framework Data Theme.
- Created a work group to discuss the state's initiative in Cloud Computing, which is a strategic direction being pursued by the state. The work group will provide input from a GIS perspective on policy being developed.
- Created a subcommittee for constructing GIS Data Sharing Standards.

Technical Working Groups (TWGs):

In order to support the initiatives and needs of the IGC, the Executive Committee has designated long-term TWGs to provide expertise and focused effort in specific areas of interest, including the Idaho Spatial Data Infrastructure (ISDI) initiative. The following TWGs reported regularly to the IGC-EC, providing critical data for discussion and decisions:

Hydrography - The Hydrography Technical Working group (Hydro TWG) focus is the surface waters and watersheds in Idaho. The Hydro TWG provides a mechanism for edit review, conflict resolution, development of standards for Idaho's hydrography needs, and facilitating contributions to national hydrography related datasets. Activities over the last year have focused on supporting the Idaho Spatial Data Infrastructure Initiative as envisioned the Strategic and Business Plans. Information about specific activities can be found at http://www.idwr.idaho.gov/GeographicInfo/NHD/

Recent activities include:
- At the March 19, 2015 IGC-EC meeting, the IGC-EC approved the National Hydrography Dataset/Hydrography Dataset as the TIM Framework Water Features Dataset, and the National

Hydrography Dataset/Watershed Boundary Dataset for the TIM Framework Watershed Boundary Dataset!

- The Draft Hydrography Data Exchange Standard was developed. Version 1.6 is open for comment until July 30. Final Standard is expected to be ratified in September 2015.
- Actively updating the National Hydrography Dataset (NHD) and receiving potential edits for both NHD and Watershed Boundary Dataset (WBD).

Imagery - The Imagery TWG met twice in 2014 and has met twice thus far in 2015. The NAIP (National Agriculture Imagery Program) is being collected in Idaho this summer and is expected to be available to the public in early fall of 2015. The 2015 NAIP will be provided as image and map services through the spatial data libraries at INSIDE Idaho and Idaho State University's GIS Training and Research Center.


The Imagery TWG meets several times a year on the first Wednesday of the month at 10:00 at the Idaho Water Center located at Front and Broadway. Check the Imagery Framework website for meeting dates and further information.

Geodetic Control – The Geodetic Control TWG provides advice and directions regarding the horizontal and vertical positional underpinnings for all spatial datasets used in Idaho. The group is composed of both surveyors and GIS professionals. The current focus is on implementing a real-time GPS correction network using a densified CORS (continuously operating reference station) system. To accomplish this,

we have teamed with the system deployed in Utah (TURN) to provide immediate coverage across SE Idaho with plans to provide coverage across all of Idaho. A second primary focus deals with the control point database and its free web map hosted by Idaho State University's GIS TReC. These control points are used extensively by the surveyor community as well as various city and counties to improve parcel mapping, right-of-ways, etc. The control point database is also used to improve the orthorectification of NAIP aerial imagery.

Soils – In Idaho, there is currently no comprehensive statewide soil dataset. The Soils TWG was created in 2014 in order to study this problem. Key discussion topics included state areas not covered by the Natural Resources Conservation Service (NRCS) soil database, soil survey boundaries, soil dataset complexity and end-user ease of use, INSIDE Idaho hosting of the data, and the possibility of linking to the USDA Web Soil Survey.
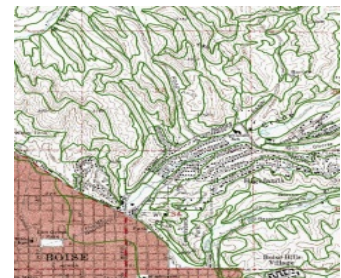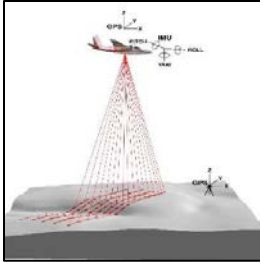
Elevation – High resolution topography, primarily LiDAR, is the focus of the Elevation TWG. The Elevation TWG has focused on statewide coordination of LiDAR planning, acquisition, and data distribution. The Elevation TWG is currently working on a statewide LiDAR acquisition plan to acquire LiDAR for the State of Idaho.

Parcels – The Parcels TWG has developed two datasets, a public set (with limited data that is deemed public by the counties), and a comprehensive set for interagency sharing with more complete data (including owner's name). Information on these datasets, as well as more information about the Parcels TWG can be found at: http://gis.idaho.gov/portal/TIM/parcels.html. The TWG has been inactive since the development of the datasets, but will reconvene as needed to review standards and draft updates. The Parcel Project using the standards developed by the TWG can be found at: www.idaho.gov/parcels

The statewide parcels map is available at: http://idaho.maps.arcgis.com/apps/webappviewer/index.html?id=6d7a16031566423fb980321a0421e42b

Cadastral – The Cadastral TWG has been working on a plan to get the Cadastral National Spatial Data Infrastructure (CadNSDI) into the parcel fabric. The parcel fabric work is complete and the Cadastral TWG's next steps will be to meet after the Esri User Conference, which was held in July 2015, and to plan for a storage location and final quality control work and test.

ACCESS IDAHO STEERING COMMITTEE AND IDAHO.GOV

This committee is comprised of business leaders from several state agencies and meets most months to review agency licensing agreements with Access Idaho, the State's "portal" contractor, and provides oversight of Idaho e-Government applications such as licensing, filing and renewals.

MEMBERS

BILL FARNSWORTH *(CHAIR)*	Department of Administration, Office of the CIO
ERIC BECK	Department of Labor
TIM HURST	Office of the Secretary of State
DAVE TOLMAN	Transportation Department
DAVE TAYLOR	Department of Health & Welfare
JEFF WALKER	Access Idaho

Access Idaho Enterprise Solutions during FY2014 and FY2015:

Driver Record Dashboard*   Enables companies that hire driver's licensed in Idaho to monitor license status and when medical records of their commercial drivers change.

License Renewals   Enables Professional Engineer and Land Surveyor licensees to renew and pay for their licenses online.

Payment Engine Enhancement   Allows Unemployment Insurance Tax users to schedule payments at a later date.

GIS County Data Portal   Allows users to order free and for-fee county GIS data online and make electronic payments.

Business Identity Monitoring   Enables all businesses to monitor if a false filing is made on their Secretary of State filing.

Driver's Practice Test   Enable prospective motorists to use an Apple, Android or Windows mobile device to practice their Idaho driver's exam in English.

Debt Collector License Renewals   Enables all 42,000 licensed debt collectors in Idaho to renew and pay for their annual licenses online.

* Project submitted to the 2015 NASCIO State IT Recognition Awards.

IDAHO CYBER SECURITY INTERDEPENDENCIES WORKSHOP

On November 13, 2014, the Idaho Bureau of Homeland Security and the Pacific NorthWest Economic Region (PNWER) Center for Regional Disaster Resilience hosted their first Idaho Cyber Security Interdependencies Workshop at the Hewlett-Packard Campus in Boise. This event was the first in a three-year series meant to develop an Idaho Partnership for Infrastructure Security. The focus of this first workshop was on education, outreach and public/private partnerships for cyber security in the state of Idaho. Discussion included current cyber threats and common challenges with managing complex data and access. The goal of this workshop series is to create a disaster-resilient Idaho and Pacific Northwest region.

The ITA chair and ITA staff participated in the planning of this event and attended the workshop along with several hundred leaders and decision-makers from the following sectors:

- Public and private sector cyber security professionals
- Critical infrastructure owners/operators
- Major employers
- Emergency managers and affiliated IT support staff
- Security
- Law enforcement

NASCIO
STATE IT RECOGNITION
AWARDS

There are many successful technology projects in Idaho that deserve recognition at the national level. Starting in 2012, efforts have focused on coordinating a drive for nominations to submit to the prestigious National Association of State CIOs (NASCIO) IT Recognition Awards.

2015
Six nominations were submitted

Category: Information Communications Technology (ICT) Innovations
Idaho Senior Health Insurance Benefits Advisors (SHIBA) Volunteer Portal Project *
Idaho Department of Insurance

Category: Digital Government: Government to Citizen (G-to-C) *
Idaho Aeronautics App
Idaho Transportation Department

Category: Cyber Security
Cyber Security Program   *FINALIST!* **
Idaho Transportation Department

Category: Emerging and Innovative Technologies
Driver Record Dashboard
Idaho Transportation Department

Category: Improving State Operations
Internet Unemployment System (iUS)   *FINALIST!* **
Idaho Department of Labor

Category: Cross-Boundary Collaboration and Partnerships
Vandal Overnight Games at the University of Idaho
University of Idaho

* Project originally submitted in 2014, re-submitted in 2015 after being updated.

** Winners will be selected from the finalists and awards will be presented during the NASCIO Annual Conference in Salt Lake City, Utah on October 12, 2015.

2014

Four nominations were submitted:

Category: Data, Information and Knowledge Management
Idaho Senior Health Insurance Benefits Advisors (SHIBA) Volunteer Portal Project
Idaho Department of Insurance

Category: Digital Government: Government to Citizen (G-to-C)
Idaho Aeronautics App
Idaho Transportation Department

Category: Cross Boundary Collaboration and Partnerships
Network Communication Partnerships for Public Safety and Economic Opportunity
Idaho Transportation Department

Category: Improving State Operations
OntheGo (OtG) - Mobile Payments
Idaho Department of Administration, Office of the Chief Information Officer