ITA

Idaho Technology Authority

FY20**16**

Annual 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 HP Inc.**
	Employee from state government	**Carmen Mendez Achabal Dept. of Commerce**

The ITA, which was created by statute (I.C. § 67-5745) in 2013, provides direction and leadership regarding the business needs of the state IT community, while also working to improve the efficiency and productivity of state government and encourage public access to government information. In FY2016, cybersecurity and the cloud continued to be primary focuses of the committee.

> ### *Included in its duties, the ITA:*
> - Establishes technology policy and sets the strategic direction for the state
> - 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.

Actions taken by the committee:

- Approved five new cybersecurity policies
    - ⇒ P2060—Least Privilege & Least Functionality
    - ⇒ P4130—Information Systems Classification
    - ⇒ P4505—Cybersecurity Awareness Training
    - ⇒ P4560—Data Breach Management
    - ⇒ P4580—Cybersecurity Incident Management
- Approved revisions to two cybersecurity policies
    - ⇒ P2050—Cybersecurity Framework
    - ⇒ P4570—Firewall Security *(Replaces Standard S3200)*
- Approved a new cloud computing policy
    - ⇒ P1080—Cloud Computing
- Approved the membership of the Division of Liquor to the ITLC
- Reviewed and approved the goals, objectives and strategies of the 2016 State Government Technology Strategic Plan
- ITA staff assisted in coordinating and compiling Idaho's response to the Center for Digital Government Digital States Survey. Results of the 2016 Survey can be viewed at: http://www.govtech.com/cdg/digital-states/
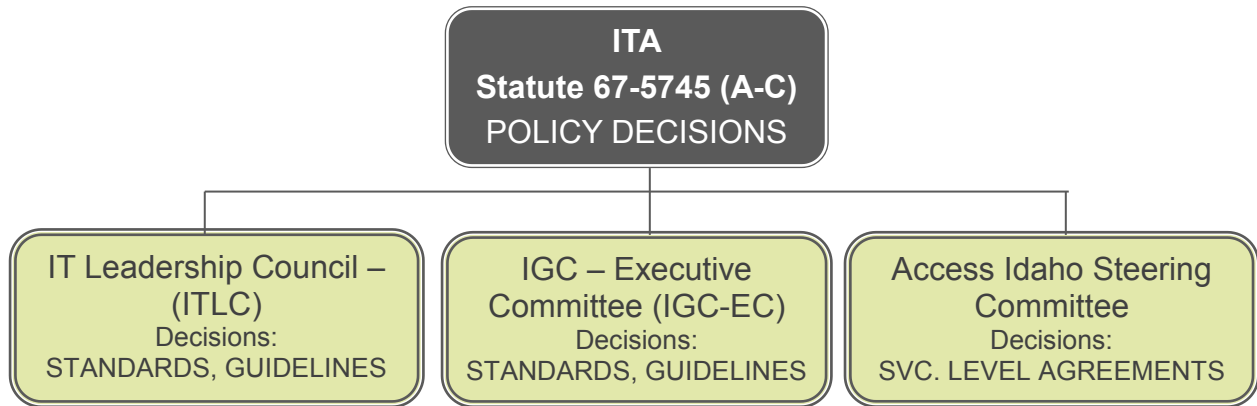
The committee heard reports and updates on a variety of topics:

- Cybersecurity initiatives and the Governor's Cybersecurity Taskforce
- Cyber Liability insurance, including risk exposures specific to state agencies
- Cybersecurity Training programs at Idaho's public colleges and universities
- Data breach reporting requirements
- InfraGard – A 501(c)(3) organization dedicated to sharing information and intelligence to prevent hostile acts against the United States
- The Joint Terrorism Taskforce (JTTF) – An FBI–led and –resourced partnership which works closely with local law enforcement agencies
- FirstNet – A federal program for a wireless broadband network for public safety
- IT Staffing Issues
- Statewide Telecommunications contracts
- The benefits and lessons learned of moving to an enterprise cloud suite
- Regular subcommittee updates

ITA
Statute 67-5745 (A-C)
POLICY DECISIONS

IT Leadership Council – (ITLC) Decisions: STANDARDS, GUIDELINES	IGC – Executive Committee (IGC-EC) Decisions: STANDARDS, GUIDELINES	Access Idaho Steering Committee Decisions: SVC. LEVEL AGREEMENTS

IT Leadership Council (ITLC)

The ITLC subcommittee is comprised of agency IT managers representing small, medium and large 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_20160223.pdf

MEMBERS*

Agency	Member
Department of Health and Welfare	MICHAEL FARLEY *(CHAIR)*
Idaho State Tax Commission	MIKE TELLER *(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	STEVEN HIGGINS
Idaho Transportation Dept.	CHRIS VICTORY
Industrial Commission	ROBERT BUTLER
Office of the CIO	JON POPE
Office of the State Controller	TAMMY SHIPMAN
Department of Correction	RANDY TURNER
State Supreme Court	KEVIN IWERSEN
State Department of Education	CHRIS CAMPBELL

*As of June 30, 2016

RESPONSIBILITY / AUTHORITY OF ITLC:

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

During FY2016, the ITLC:

- Developed policy governing:
  - ⇒ Cloud computing
  - ⇒ Cybersecurity awareness training
  - ⇒ Least privilege and least functionality
- Developed policy and guidance governing:
  - ⇒ Cybersecurity incident management
  - ⇒ Information systems classification
- Developed policy and approved revisions to guidance governing data breach management
- Revised policy and developed guidance governing a cybersecurity framework and firewall security
- Discussed IT-related procurement issues
- Worked with the Division of Human Resources and the Hay Group to finalize the updates to the IT employee classification system
- Reviewed expenditure codes relating to cloud computing services and products in order to provide greater granularity in spending data

ITLC Working Groups

Security TWG

Development and review of policies, standards and guidelines related to cybersecurity.

Led volunteers from small, medium and large agencies in doing a pilot program self-assessment of the first five (5) Critical Security Controls (CSC) in order to determine the level of resources needed to develop a comprehensive plan for implementing the CSCs.

Public / Private Cloud TWG

ITA Policy P1080 (Cloud Computing) was developed and approved in order to ensure that agencies employ appropriate cyber security controls and data protection procedures for cloud services.

Working with the Division of Purchasing, the Cloud working group has received the draft of the standard terms and conditions on the "ValuePoint" procurement vehicle. The state is prepared to move forward as needed using those terms and conditions as well as Idaho-specific terms and conditions until the "ValuePoint" vehicle is ready for general use.

Idaho State Network Oversight Committee (ISNOC)

Direct technical review and input by the Idaho State Network Oversight Committee (ISNOC) into the Network Services, Request for Proposals (RFP), and subsequent Invitation to Bid (ITB), led to new multi-vendor awarded contracts for network services outside of Ada and Canyon counties. Under the new contracts, agencies have been able to order an additional 606.5 megabits per second (Mbs) of bandwidth, while the total annual costs for the state decreased by $508,000.

ISNOC worked with staff from Microwave Services at the Military Division to determine where expanded use and investment in the State's Microwave Services could be leveraged. It was determined that the program is well-run and will benefit the state over the long term. Collaboration between the Idaho Department of Health & Welfare and Microwave Services resulted in the decision to run a back-up services pilot in Mountain Home.

2016 ITLC Strategic Planning

For 2016, ITLC members, along with several ITA members, participated in a full day strategic planning session on December 1, 2015.** The resulting objectives align with the Governor's Priorities, as well as the state strategic goals as illustrated below. The full 2016 State Government IT Strategic Plan can be found on the "Plans and Reports" page of the ITA website.

GOVERNOR'S PRIORITIES

Enhancing Economic Opportunity
Empowering Idahoans
Promoting Responsible Government

ITA and ITLC Goals and Objectives

Empowering Idahoans

GOAL: Improve delivery and accessibility of government services and information.
OBJECTIVE: Provide a positive customer experience through Idaho.gov on any device.

Promoting Responsible Government

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

GOAL: Safeguard the security, confidentiality, integrity and availability of information.
OBJECTIVE: To implement cybersecurity best practices in order to help manage cybersecurity risk and maintain the integrity of state information.

GOAL: Seek improvement in all aspects of information technologies and services.
OBJECTIVE: Establish a checklist/guidance for agencies wishing to purchase cloud services.*

Enhancing Economic Opportunity

GOAL: Promote collaborative relationships among all entities, public and private.
OBJECTIVE: Establish data center services for the purpose of hosting state agency equipment.

Possible objective, as time permits.

**The FY2017-18 Strategic Planning Session has been scheduled for November, 2016.*

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

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
	Stephen Cox	Dept. of Agriculture
FEDERAL:	**Jerry Korol**	Natural Resources Conservation Service (NRCS)
	Rick Campbell	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:	**Dawn Dionne**	TerraMapping LLC
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 FY2016, the IGC-EC:

- Approved the Hydrography Data Exchange Standard (Version 2.0)
- Approved revisions to:
  - ⇒ ITA Guideline G420 (Roles of GIS Participants)
  - ⇒ ITA Standard S4220 (Geospatial Metadata)
- Developed and approved ITA Standard S4250 (Enterprise Geographic Information System [GIS] Data Sharing Standards)
- Rescinded ITA Guideline G320 (Geographic Metadata) due to the quality and volume of other resources already currently available to GIS staff
- Began development of a single list/inventory of authoritative datasets.
- Heard regular updates from the various Technical Working Groups (TWGs)
- Discussed the possible impacts on the GIS community and how standards are used, of the Federal Geospatial Data Act, and hosted a roundtable discussion on this topic during the URISA GIS-Pro and NWGIS 2015 Conference in October 2015
- Began work on revising and updating the State GIS Strategic Plan, which will focus on obtainable goals over the next three to five years and will tie in with the current State IT Strategic Plan.
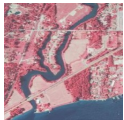
Hydrography - The Hydrography Technical Working group (Hydro TWG) focus is the surface waters and watersheds in Idaho. The Hydro TWG provides a mechanism for editing, updating and enhancing digital hydrography in Idaho. The Hydro TWG also assists in coordination, and the development of standards for Idaho's hydrography needs, as well as 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/GIS/NHD/

Recent activities include:

⇒ The Hydrography Data Exchange Standard (Version 2.0) was approved by the IGC-EC on September 17, 2015

⇒ Actively updating the National Hydrography Dataset (NHD) and receiving potential edits for both NHD and Watershed Boundary Dataset (WBD).

Imagery - Over the past six months, the Imagery TWG has been busy researching alternative and additional imagery purchase options. The NAIP (National Agriculture Imagery Program) has proven to be a true workhorse for the GIS community; however, active participants of the Imagery TWG have expressed interest in acquiring high resolution and/or more frequently collected image data. To that extent, the TWG invited various businesses to present their products and services for review and as introduction to possible alternatives.

The 2015 Idaho NAIP image services provided by University of Idaho's INSIDE Idaho and Idaho State University's GIS TReC was announced to the GIS community through the Geotech Listserv on February 29, 2016, and the next Idaho NAIP will be flown in the summer of 2017 (1-meter, 4 band, statewide). The buy-up option for ½-meter is expected to cost $275,000 with buy-up funds from State Agencies due January 31 of the year NAIP is flown, and buy-up signed agreements from Federal Agencies due January 31 of the year flown.

Geodetic Control – The Geodetic Control TWG provides advice and guidance regarding the horizontal and vertical positional underpinnings for the spatial data infrastructure of Idaho. The Technical Working Group is composed of both surveyors and GIS professionals. Currently the TWG focuses on implementing a real-time Global Navigation Satellite System (GNSS) correction network using a densified series of CORS (continuously operating reference station) base stations located across Idaho. To accom-
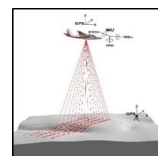
plish this, we have teamed with Utah's AGRC (TURN) to provide immediate coverage across SE Idaho with plans to provide real-time correction coverage across all of Idaho. A second focus is the control point database and its free web map hosted by Idaho State University's GIS TReC. These control points 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, and is currently working on a statewide LiDAR acquisition plan to acquire LiDAR for the State of Idaho.

In FY16 the Elevation TWG, along with a number of agencies and jurisdictions, partnered on a funded project "Multi-hazard Risk Assessment and Ecosystem Restoration in Idaho: Nez Perce Tribe, Nez Perce County, and Clearwater Watershed". This project will collect over 2,600 square miles of lidar data in the Clearwater region in Northern Idaho. In addition, the Idaho Lidar Consortium website has been revamped and updated for better communication with the lidar community.

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 and continues to contact counties to encourage their participation in the project. The statewide parcels map is available at: www.parcels.idaho.gov

Cadastral Reference – Cadastral Reference is the spatial grid of township, range, section, quarter-quarter lines, special surveys, mineral surveys or any line or corner established by a federal survey generally referred to as the Public Land Survey System (PLSS). The Cadastral National Spatial Data Infrastructure (CadNSDI) version 2.0 is now in the parcel fabric using the local government model, and many areas have been adjusted. Survey grade points are collected from various sources, and the Idaho Dept. of Lands began with state ownership and will in the future expand to private ownership parcels to get the entire state into the parcel fabric.

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

Current Access Idaho Enterprise Solutions:

Driver Record Dashboard (DRD)*

The American Association of Motor Vehicle Administrators (AAMVA) presented Idaho an international award for its Innovative Use of Technology. DRD Enables companies that hire driver's licensed in Idaho to monitor license status and when medical records of their commercial drivers change. In 2016 DRD was enhanced with new reporting capabilities to assist Idaho companies in complying with federal motor carrier regulations. (https://www.accessidaho.org/itd/monitoring/)

* Project submitted to the 2016 NASCIO State IT Recognition Awards

Websites & Webmasters

The Portal built a series of tool kits and templates as a resource for agency webmasters. (https://www.accessidaho.org/webmaster/) The new tools allow state webmasters to relaunch their sites using HTML 5 as a responsive design to create a mobile friendly website. Examples include:

- Idaho Council for the Deaf and Hard of Hearing http://cdhh.idaho.gov/
- Idaho Independent Living Council http://silc.idaho.gov/
- Science Technology Engineering and Math action center (STEM) http://stem.idaho.gov
- Office of Group Insurance https://ogi.idaho.gov/
- FirstNet http://firstnet.idaho.gov/ a site for first responders

License Renewals

Enables engineering and land surveying firms to renew and pay for their Certificate of Authorization (COA). In addition, they can update address and contact information between renewal periods.

Scheduled Payments

Health and Welfare's Criminal History Unit and Certified Family Homes use the service to set up and monitor automatic a one-time payment or schedule automatic repeating payments. (https://www.accessidaho.org/scheduledpayments)

On the Go (OtG)

The Idaho Real Estate Commission launched OtG to collect fees in the field with a smart phone using the state's OtG service. Download OtG to your phone at: www.onthego.idaho.gov   Connect the app to a mobile thermal printer by Bluetooth.

Title or Registration Record Search

This application allows individuals, financial institutions, dealerships, and others to obtain a title or registration record for a vehicle they own, or for a vehicle they may be purchasing, financing, accepting as a trade in, etc. (https://www.accessidaho.org/secure/itd/mvr/lookup.html)

Event Registration

Division of Human Resources launched the Portal's event registration service to assist with registering state employees for their training events.

My Events 2 Go *(A mobile event agenda)*

Idaho Transportation Department used the Portal's smart phone application to provide an online mobile agenda when Idaho hosted the Western Association of State Highway Transportation Officials (WASHTO) Annual Conference. Download the app to your phone or mobile device from: www.myevents2go.com

Access Idaho service offerings to agencies

Custom Online Application Builds

- Online Permits

- License Renewals

- Financial Filings (Tax & Report applications)

Payment Processing (PCI compliant)

- Over the Counter (Credit cards & e-Checks)

- E-Billing/Monthly electronic invoicing

- Citizen Scheduled/Reoccurring Payments

- Agency Scheduled Debt Collections

- Online Store

- Payment Engine (plugs into your transaction based web application)

Creative Services

- Web design and usability consulting

- User Experience testing

- Creative design help with websites

- Webmaster tool development and assistance

- Form building services

Other Services:

- Project Management

- Customer Service

- Marketing & PIO project assistance

- Finance & Billing tools for agencies

- Security experts

NASCIO
State IT Recognition Awards

There are many successful technology projects in Idaho that deserve recognition at the national level. In 2016 there were over 130 projects submitted to the prestigious National Association of State CIOs (NASCIO) IT Recognition Awards, including three from Idaho. These submissions help increase awareness of successful projects undertaken in Idaho. Although none of the nominations from Idaho were selected as finalists this year, all of these worthy project nominations will be posted on the NASCIO website at: http://www.nascio.org/awards.

2016 Project Nominations:

Category—Digital Government: Government to Citizen (G to C)
Claimant Portal
Idaho Department of Labor

Category—Digital Government to Business (G to B)
Driver Record Dashboard *
Idaho Transportation Department

Category—Information Communications Technology (ICT) Innovations
Ground Water Quality Map (Environmental Data Management System—EDMS)
Idaho Department of Water Resources

Project originally submitted in 2015, re-submitted in 2016 after being updated.

ITA Staff

The Department of Administration, 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 ITA and its' subcommittees; 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.

Biennially, during even years, staff assists in coordinating and compiling Idaho's response to the Center for Digital Government, Digital States Survey. Results of the 2016 Survey can be viewed at: http://www.govtech.com/cdg/digital-states/

Additionally, 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 as established by the State IT Strategic Plan and comply with the IT Policies, Standards and Guidelines as adopted by the ITA.

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