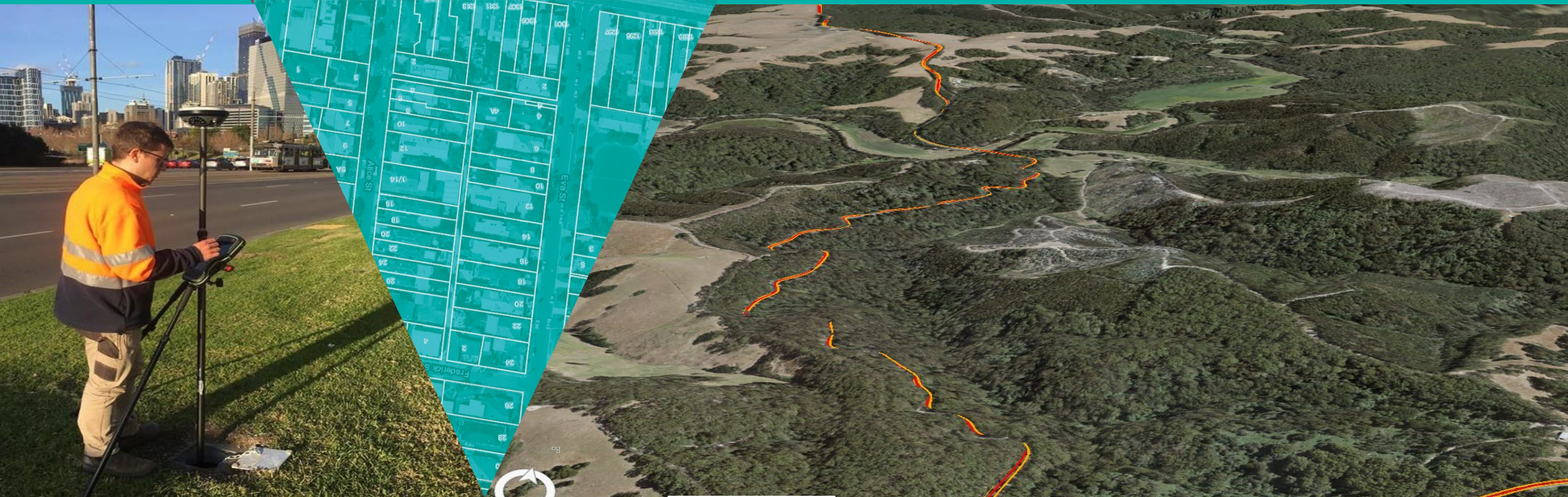


Surveyor-General Victoria Strategic Plan 2020 -2025



Innovation

Message from the Surveyor-General of Victoria

This strategy reflects the priorities of Land Use Victoria's Strategic Land Assessment and Information division which focus on:

- modernising our processes and pursuing opportunities that digital platforms offer
- future capabilities and a thriving culture that attracts and retains a diverse, inclusive and capable workforce
- future proofing our systems and embracing technology and research
- collaboration and engagement and communicating our value and role to Victoria
- ensuring our data yields powerful insights and facilitates quality decision making.

These priorities reflect "Innovation" – the theme for this strategy.

As the 26th Surveyor-General of Victoria, I am part of the system responsible for ensuring that Victorians can have confidence and security in owning land. The role I hold involves significant trust from Victorians and for this I am deeply grateful. Trust in institutions is important for the success of the work of Land Use Victoria, to provide certainty to citizens in land ownership which links it to Goal 16 – Peace, Justice and Strong Institutions, of the United Nations Sustainable Development Goals aimed at creating an ideal community.

Surveyor-General Victoria

Our branch includes approximately 50 people across five teams - Geodesy, Cadastral Infrastructure and Standards, Crown Survey Approvals, Geographic Names Victoria and the Surveyors Registration Board of Victoria.

The focus of this strategy is innovation. Innovation is an approach to improving everything we do to provide a better service for the community we serve. Our approach is to be innovative in improving communication with our stakeholders and applying the insights we gain from these interactions. We are moving towards a diverse and inclusive culture that is reflective of our Victorian community. Our systems and process are designed to be best-of-breed to provide our end users with a satisfying experience when accessing our services.

"We are committed to improving the social, economic and environmental prosperity of Victoria by delivering world-leading land ownership and land information products and services to Victorians."

Craig Sandy LS

26th Surveyor-General of Victoria



Monitoring of land surveying

A regulated land administration system gives Victorians certainty in ownership of their land holdings. Licensed surveyors provide a service to every Victorian to efficiently and accurately determine the location of property boundaries and the associated rights, restrictions and responsibilities in the use of their land.

The cadastral survey system is used to define where every Victorian property is located and the extent of the boundaries. The boundaries are in most cases defined by a series of monuments, which may include boundary pegs or fence posts or the bank of a river or shore of a lake or sea.

The Digital Cadastre Modernisation project

This 'once in a generation project', will create a state-wide network of digital data of all the parcel boundaries. The Digital Cadastre Modernisation project complements existing Government initiatives such as Smart Planning, Digital Twin Pilot and ePlan (digital lodgement of survey data) and will enhance the spatial accuracy of Vicmap. During the project, we will connect with a broader audience using a range of communications channels.

VICTORIA

In conclusion, the wellbeing of our society and economy relies on our ability to adapt our systems, management practices, and regulatory functions to continue to provide certainty of land ownership. I am confident the Surveyor-General Victoria teams will deliver the innovation necessary for our digital future.

Craig Sandy

26th Surveyor-General of Victoria

Chair of the Surveyors Registration Board of Victoria

Registrar of Geographic Names Victoria



SGV Strategy links to the United Nations Sustainable Development Goal 16 – Peace, Justice and Strong Institutions

Strategic planning framework

Surveyor-General Victoria (SGV) has several key areas of responsibility including setting and monitoring standards for surveying. Decisions and activities are shaped by a range of Acts and Regulations. SGV is a branch of the Strategic Land Assessment and Information Division (SLAI) of Land Use Victoria (LUV) in the Department of Environment, Land, Water and Planning (DELWP).

DELWP outcomes for Victoria



Zero emission, climate-ready economy and community



Healthy, resilient and biodiverse environment



Reliable, sustainable and affordable energy services



Productive and effective land management



Safe, sustainable and productive water resources



A quality built environment



Sustainable and effective local governments



Reduced impact of major bushfire and other emergencies on people, property and the environment

Key legislation

- *Surveying Act 2004*
- *Survey Co-ordination Act 1958*
- *Geographic Place Names 1998*

Strategic Land Assessment & Information Division Strategy 2030

Our 2030 vision

To be Victoria's trusted experts for land information, advice and spatial innovation.

Our 2030 strategic priorities

OVER THE NEXT TEN YEARS, WE WILL FOCUS ON:



Modernisation



Future capabilities



Future proofing



Collaboration & engagement



Powerful insights & quality decision making

Our major four year initiatives

1. Improved property valuations
2. Digital cadastre roadmap
3. Improved use of government land
4. Virtual Vicmap
5. Supporting Victoria's infrastructure program
6. Digital workplace
7. Improved engagement
8. Digital twin
9. National collaboration
10. Datum modernisation
11. Spatial data insights

Surveyor-General Victoria Strategic Plan 2020-2025 (this document)

Surveyor-General Victoria
Strategic Plan 2020 -2025



Innovation



Environment, Land, Water and Planning

Innovation

SLAI 2030 vision

To be Victoria's trusted experts for land information, advice and spatial innovation

SGV purpose

Ensuring Victorians have confidence and certainty in their land ownership and land information systems.

SGV mission

Ensuring that:

- *citizens understand, use, shape and have certainty in their land ownership systems; and*
- *land information products and services meet the needs of customers and stakeholders.*

SLAI strategic priorities

Modernisation
Future capabilities
Future proofing
Collaboration and engagement
Powerful insights and quality decision-making

Initiatives and projects

5 Surveyor-General led initiatives
10 SGV team led projects

Land in Victoria

- About 35 per cent of land is owned by the Crown and valued at **\$300 billion approx** (Source: Victorian Government).
- About 65 per cent of land is freehold and valued at **\$2.3 trillion approx** (Valuer-General Victoria, 2019).
- Total value of land in Victoria is **in excess of \$2.6 trillion**.

In one way or another we all have involvement with land and property. Many of us do so through ownership of a home or other property and we take for granted the financial and physical security such ownership brings. It is simply what we expect in the society in which we live and rarely do we pause to reflect on what enables us to have such confidence that 'our property' will remain just that.

— Chris McRae
Registrar of Titles (Victoria), 2013.



The financial and physical security that property ownership brings.

Functions of Surveyor-General of Victoria

Responsibilities	Key governance roles
Sets and monitors standards for surveying and survey information for the licensed surveying profession and ensures high-levels of professional standards.	The statutory authority on land surveying and cadastral boundaries. Responsible for registering survey plans in the Central Plan Office.
Ensures the certainty and integrity of Victoria's land ownership system through the cadastral survey system which defines the location and dimensions of property boundaries.	Chair of the Surveyors Registration Board of Victoria. Leads the Surveyor-General Victoria branch and its contribution to the Department of Environment, Land, Water and Planning.
Defines the location and dimensions of Crown land, its boundaries and advises users to enable the delivery of government services.	Member of the Electoral Boundaries Commission in Victoria. Member of the Federal Redistribution Committee for Victoria (federal electorate boundaries).
Leads Victoria's network of positioning systems, survey marks and coordinates.	State verifying authority for the measurement of length.
Is responsible for the naming rules for Victoria's places, roads and localities as Registrar of Geographic Names.	The Registrar of Geographic Names in Victoria.

Snapshot of five key responsibilities

1. Set and monitor standards for surveying and survey information for the surveying profession

- SGV sets and monitors the standard of cadastral surveys of the private sector.
- Licensed surveyors deliver land boundary definition to Victorians who own land.
- SGV audits surveys to ensure the integrity of the cadastral survey system is maintained.

2. Monitor surveying matters affecting the cadastral survey system

- SGV monitors surveying matters affecting the location and dimensions of property and boundary definition.
- This system is an important part of the Victorian land ownership system.

3. Defining and confirming Crown land boundaries

- SGV delivers boundary definition and mapping services for Crown land.
- These boundaries can only be confirmed by the Surveyor-General of Victoria.

4. Managing and improving the positioning system and network across Victoria

- SGV delivers an integrated network of GPS ground stations.
- SGV delivers a network of highly accurate coordinated marks on the ground.

5. Developing and delivering naming rules and guidelines for places, roads and localities

- SGV delivers a strategy, sets of guidelines and rules for the naming of places, roads and localities.

SGV branch teams – core business services and expertise

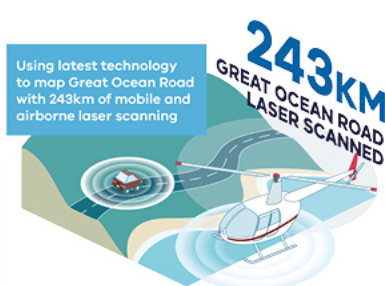
Team	1. Cadastral infrastructure and standards	2. Crown survey approval	3. Geodesy	4. Geographic Names Victoria	5. Secretariat, Registration Board of Victoria
Snapshot	<ul style="list-style-type: none"> • Surveying boundaries • Surveying regulations • Auditing licensed surveyors 	<ul style="list-style-type: none"> • Crown land ownership • boundaries • Drafting Crown land plans 	<ul style="list-style-type: none"> • Positioning infrastructure • Positioning systems coordinates 	<ul style="list-style-type: none"> • Places, roads, localities • Naming rules • Culture and history 	<ul style="list-style-type: none"> • Maintaining the register of licensed surveyors • Administering graduate training and professional development programs
Services and expertise	<ol style="list-style-type: none"> 1. Property assessments – ownership, boundaries, site conditions 2. Crown land boundary surveying 3. Boundary and land status determinations 4. Audits of licensed surveyors 5. Legislation, regulations and practice directives development 6. Advisory services 7. Engagement program – licensed surveyors 	<ol style="list-style-type: none"> 1. Drafting and registering plans 2. Crown land records management 3. Examination of survey plans 4. Crown grant boundary and description corrections 5. Advisory services 	<ol style="list-style-type: none"> 1. Operations management and development of the positioning services network for Victoria 2. Survey mark maintenance and information services 3. Field surveying services – high precision, large scale 4. Survey equipment calibration services 5. Advisory services - surveying and spatial science professionals 6. engagement program - licensed surveyors and spatial science professions 	<ol style="list-style-type: none"> 1. Naming rules and guidelines 2. Place name audits 3. Place name gazettal's and registrations 4. Place naming – training 5. Historical data capture 6. Advisory services 7. Engagement program – place name practitioners 	<p>Secretariat administration and coordination:</p> <ol style="list-style-type: none"> 1. Registration of licensed surveyors 2. Training and accreditation 3. Further Professional Education and Training (FPET) audits 4. Reciprocal arrangements with cadastral surveying authorities 5. Annual Report 6. Engagement program – licensed surveyors and spatial sciences professionals

Team	Examples of services			
Cadastral infrastructure and standards	Survey assessment reports	Crown land status and boundary advice for licensed surveyors	Audit report for licensed surveyors	Surveys for Government-related land dealings
Crown survey approval	Plan of Crown allotment (OP)	Title plan for Crown grant purposes	Title plans for separate dimension purposes	Plans relating to parks (national/state/forest) and native title.
	LEGL Plans	Certificates of adjustment	Certificates of correction	
Geodesy	Survey Mark Enquiry Service (SMES)	Positioning service	High precision control surveys	
Geographic Names Victoria	Advisory service for complex naming assignments	Place name duplication checks	'In principle' naming approvals	Emergency services location data
Secretariat, Surveyors Registration Board of Victoria	Find a surveyor, check if a surveyor is registered	Professional Training Agreement (PTA) program	Annual Report	

Surveying expertise and innovation since 1851

Ensuring Victorians have confidence and certainty in their land ownership and land information systems

Surveys and approvals



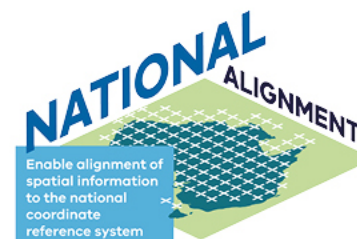
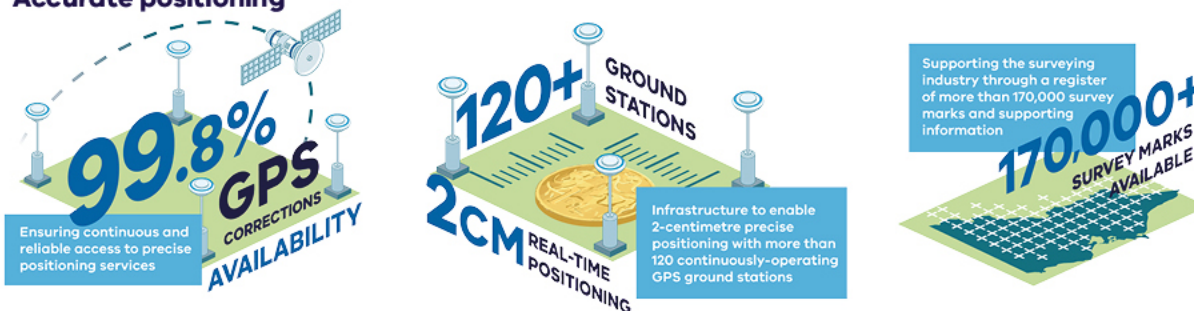
Land boundary and survey infrastructure



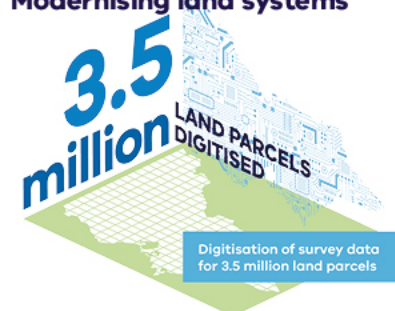
Surveyor licensing and development



Accurate positioning



Modernising land systems



Preserving culture and protecting communities



Delivering core business services, strategic initiatives and projects

The SGV branch will deliver:

1. A defined set of team services that:

- maintain existing systems and products within the branch and across SLAI, DELWP and the Victorian Government.
- are important to delivering cross-SLAI, DELWP and the Victorian Government strategic projects.

2. Four of the 11 SLAI four-year major initiatives. These are the Surveyor-General strategic initiatives.

3. Ten strategic projects.

**5x SG-led
strategic initiatives**
4x SLAI four year Initiatives, and
1x aligned to SLAI strategic priorities

**10x SGV team-led strategic
projects**
Aligned to SLAI strategic priorities

SGV strategic initiatives and projects

Surveyor-General Victoria led

A.	Digital Cadastre roadmap	B.	Datum modernisation	C.	Improved engagement	D.	National collaboration	E.	Diversity and capability development
	SLAI Initiative No.2.		SLAI Initiative No.10.		SLAI Initiative No. 7.		SLAI Initiative No. 9.		SLAI Strategic Priority

Surveyor-General Victoria supporting

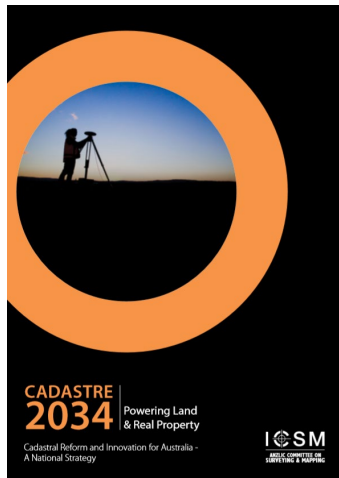
F.	Improved use of government land	G.	Virtual Vicmap	H.	Supporting Victoria's infrastructure program	I.	Digital workplace	J.	Digital twin	K.	Spatial data insights
	SLAI Initiative No.3.		SLAI Initiative No.4.		SLAI Initiative No. 5.		SLAI Initiative No. 6.		SLAI Initiative No. 8		SLAI Initiative No. 11

Surveyor-General Victoria team-led

1.	Cadastral infrastructure and standards	2.	Crown survey approval	3.	Geodesy	4.	Geographic Names Victoria
New technology assessment – Application of laser scanning for boundary surveying		Major infrastructure projects – survey data quality improvements		Survey Mark Enquiry Service (SMES) Enhancement		Aboriginal place naming	
Digital case management system – SGV Connect		Improving land holding record keeping systems, data flows for Crown land		Positioning Australia – strategic alignment review		Victoria's complex site addressing program	
				Airborne gravity surveys		Naming Rules – five year review	

SLAI Initiative No. 2


SLAI Initiative No. 2



This initiative also includes three other projects that deliver on *Cadastral 2034*: the Digital Cadastral Modernisation Project, single format CAD File to ePlan conversion and the National 3D Cadastral Data Model.

- Will connect the Cadastral Survey System to the coordinated Survey Control Network, helping government departments, agencies and businesses to be better at locating and managing their assets.
- Complements existing initiatives such as Smart Planning, Digital Twin Pilot and *ePlan* and will enhance the spatial accuracy of *Vicmap*.

- A world-leading series of projects to ensure the digital accuracy and accessibility of Victoria's most important surveying, mapping and spatial datasets for use by government and business for the benefit of all Victorians.

		Key benefits to customers	Key benefits to the community
<p>Datum modernisation SLAI Initiative No. 10</p>	<ul style="list-style-type: none"> • Ensure businesses and the community get maximum benefit from advances in positioning technology. • Recognising the growing use and reliance on positioning technology, we need to align the national coordinate reference system with that used for GPS. • Develop and implement upgrades to the Australian Geospatial Reference System (AGRS) in Victoria. <hr/> <p>Key activities</p> <ol style="list-style-type: none"> 1. Contribute to development of Australian Geospatial Reference System elements (GDA2020, ATRF, AVWS). 2. Implementation of new Australian Geospatial Reference System elements (GDA2020, ATRF, AVWS) within Land Use Victoria (LUV). 3. Stakeholder engagement and education to support organisations upgrade to the new coordinate reference systems. 4. Procurement of airborne gravity surveys over regions of Victoria to improve new vertical working surface. 5. Deformation modelling research project to enhance the delivery of a time-dependent reference frame in areas subject to deformation. 	<ul style="list-style-type: none"> • Access to nationally consistent coordinate reference system. • Enhanced alignment of positioning services with other spatial information. • Increased accuracy and reliability of surveying and spatial data which can be combined effortlessly. • Ensure businesses and community get maximum benefit from advances in positioning technology. • Increased productivity and innovation opportunities for business. • Overcome effects of regional deformation on spatial information. 	<ul style="list-style-type: none"> • Enhanced alignment of positioning services with other spatial information. • Enhanced spatial applications in a digitally enabled society. • Support advances in positioning technology, innovation and emerging applications. • Reduced costs and increased productivity. 



Improved engagement

SLAI Initiative No. 7

- Increase understanding and awareness of the work of SGV branch.
- New content for different audiences – general business and government community, spatial sciences industry (current and future) and Victorians.

Key activities

1. Communications and engagement plan: business and government.
2. Communications and engagement plan: geospatial industry, current and future professionals.
3. Communications and engagement plan: Victorian community.
4. Social media plan – all audiences.
5. Victorian Surveying and Mapping Museum/display.
6. Industry report and business briefing: benchmark competitiveness of Victoria's Cadastral System. Audience: general business community.
7. Quarterly newsletters and Annual Report from SG. Audience: General business community and geospatial industry.

Key benefits to customers

- increased understanding of the Cadastral Survey System, Geodetic Networks and their modernisation, SGV support of the state's infrastructure program, and how roads and places are named.
- improved ability of customers and stakeholders to get better utilisation from the services delivered by SGV and SLAI.

Key benefits to the community

- Increased awareness of Cadastral Survey System and the role it plays in Victorian society.
- Increased ability to participate in the democratic process of using and shaping the Cadastral Survey System.
- Increased awareness of the role of licensed surveyors
- Increased confidence in the provision of government services.



National collaboration

SLAI Initiative No. 9

SGV branch provides representatives to national collaboration forums in surveying, mapping and the spatial sciences.

This allows for consistency and standardisation of surveying, mapping and spatial science practices across Australia. It also provides access to the best available knowledge nationally for major projects.

Key activities – national relationships

1. Intergovernmental Committee on Surveying and Mapping (ICSM) – the highest forum to ensure national standards and best practices in surveying, mapping and the spatial sciences:
 - Working Group on Addressing
 - Working Group on Cadastre
 - Working Group on Geodesy
 - Working Group on Place Names
 - Working Group on Tides and Mean Sea Level
 - Working Group on Topographic Information
 - Other ICSM working groups.
2. Council of Reciprocating Surveyors Boards of Australia and New Zealand (CRSBANZ) – responsible for setting the minimum national competency standards for land surveyors, professional education standards, examination, and qualification recognition.
3. Australian New Zealand Land Information Council (ANZLIC) – the peak government body responsible for spatial information.
4. FrontierSI – complex spatial science research.
5. PSMA Australia – national geospatial data providers.

Key benefits to customers

- Shared knowledge from Victoria's spatial professions and industry for the benefit of major national initiatives.
- Access to the latest national developments in spatial data and applications.
- Enhance ability for practitioners across the surveying, mapping and spatial science professions to collaborate and work nationally.
- Standardised education and training standards to enable national collaboration and access work opportunities in different jurisdictions.

Key benefits to the community

- Access to the latest national developments in surveying, mapping and spatial data, as well as applications for the benefit of services delivered to Victorians.



Diversity and capability development

Aligned to SLAI 2030 strategic priorities:

- **modernisation**
- **future capabilities**
- **future proofing**
- **powerful insights and quality decision-making.**



An action plan for boosting innovation and collaboration
in the **spatial sector** through diversity and inclusion
April 2019

SGV recognises the need to continue expanding the diversity of the branch and surveying profession more broadly. This includes gender, ethnicity and neurological diversity as examples.

SGV branch is creating a culture that is diverse, innovative and future-focused

Key benefits

- Increasing the diversity, capability and wellbeing of the SGV branch and surveying profession will enhance its ability to innovate and deliver work that reflects the needs of the Victorian community.
- Increase the SGV branch's ability to develop and maintain products and services during the digital revolution.
- Ensure resilience of the profession and SGV teams during periods of sustained high levels of activity, such as the current planning and building of major infrastructure in Victoria.



SGV Branch strategic projects

SGV led strategic projects			
Cadastral Infrastructure and Standards	Crown Survey Approval	Geodesy	Geographic Names Victoria
New technology assessment – Application of laser scanning for boundary surveying	Major infrastructure projects – Survey data quality improvements	Survey Mark Enquiry Service (SMES) enhancement	Aboriginal Place Naming
SGV digital case management system – ‘SGV Connect’	Improving land holding record keeping systems, data flows for Crown land	Positioning Australia – Strategic alignment review	Victoria’s Complex Site Addressing program
		Airborne gravity surveys	Naming Rules – 5 year review

New technology assessment – Application of laser scanning for boundary surveying

Cadastral Infrastructure and Standards

Aligned to SLAI strategic priorities: **modernisation**

Enable licensed surveyors to streamline and embrace digital work methods, automate manual processes and achieve service excellence for clients of the boundary surveying services.

future capabilities

Improves the performance of Licensed Surveyors by allowing technological change.

future proofing

Embraces new laser technologies to ensure of Licensed Surveyors remain efficient and effective in the future.

powerful insights and quality decision- making

Enhances the ability of licensed surveyors to deliver high-quality services which will inform and shape future professional and technology developments.

About the project

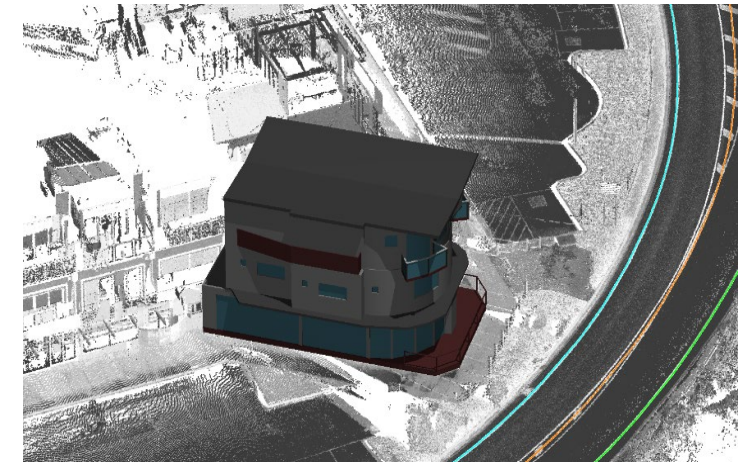
- Assessment of technology for suitability for boundary surveying in Victoria.
- Assessment of technology for mapping 3D surfaces.
- Shape practice directives to embrace the technology.

Key activities

1. Review and assess suitability of laser scanning technology to be effective to define property boundaries.
2. Assess capability specifically with apartments and other enclosed environments (3D mapped definition).
3. Design appropriate directives that instruct Licensed Surveyors on how to use this technology in a compliant manner.
4. Develop calibration service for laser scanners used by Licensed Surveyors.

Key benefits

- Licensed surveyors complete boundary surveys (particularly for apartment blocks) faster and with better data.
- Clients have better information about apartment boundaries.



Great Ocean Road Laser Scan 2020

New SGV Connect – digital case management system

Cadastral Infrastructure and Standards

Aligned to SLAI strategic priorities:

modernisation

Implement an electronic case management system commensurate with the current and future needs of a vital State Government branch and regulator.

future proofing

Implement an electronic case management system that will meet future demand for Surveyor-General Victoria services.

collaboration and engagement

Enable greater visibility of case management and progress for clients and across all SGV teams.

powerful insights and quality decision-making

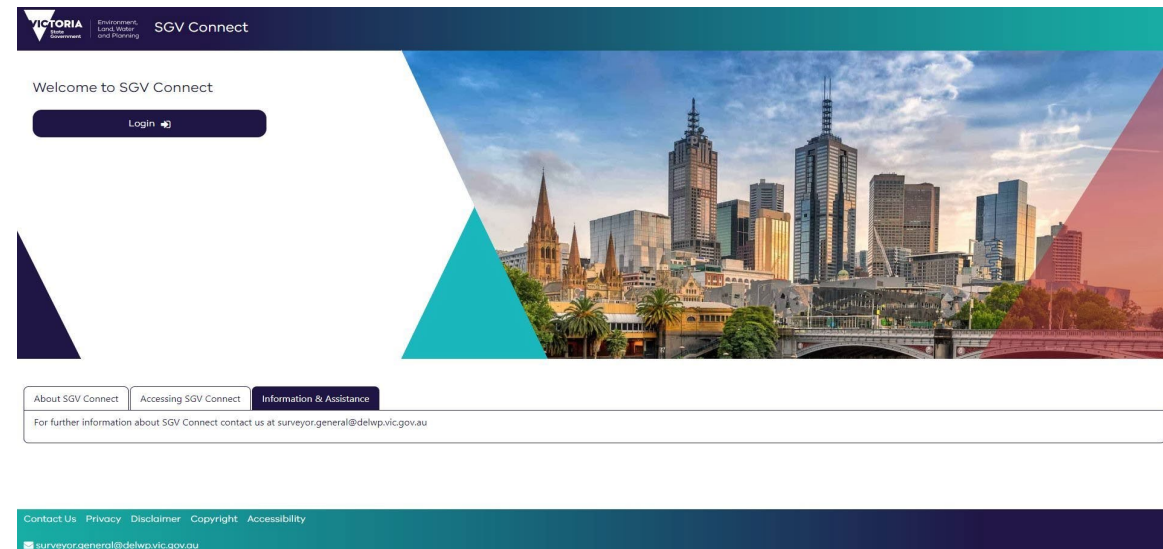
Build and maintain a high quality and accessible set of data related to the operational processes and efficiencies of SGV branch.

About the project

- New online digital case management system will replace current manual processes.
- Will increase efficiencies for managing and tracking client requests and activities within SGV branch.

Key benefits

- Increased efficiencies for managing and tracking survey projects and activities within SGV branch.
- Reduce the duplication of data captured within SGV by linking the process of CIS, CSA and Geodesy for projects that deliver multiple products.



Major infrastructure projects – survey data quality improvements

Crown Survey Approval

Aligned to SLAI strategic priorities:

modernisation

Encourage increased efficiencies within Licensed Surveying profession with encouragement to move to digital data submissions.

future capabilities

Enable the team to manage and analyse three-dimensional data.

collaboration and engagement

Work with the Licensed Surveying profession to encourage the adoption of more digital processing.

powerful insights and quality decision-making

Enable important decisions related to infrastructure development to be resolved quickly with fewer delays and cost overruns.

About the project

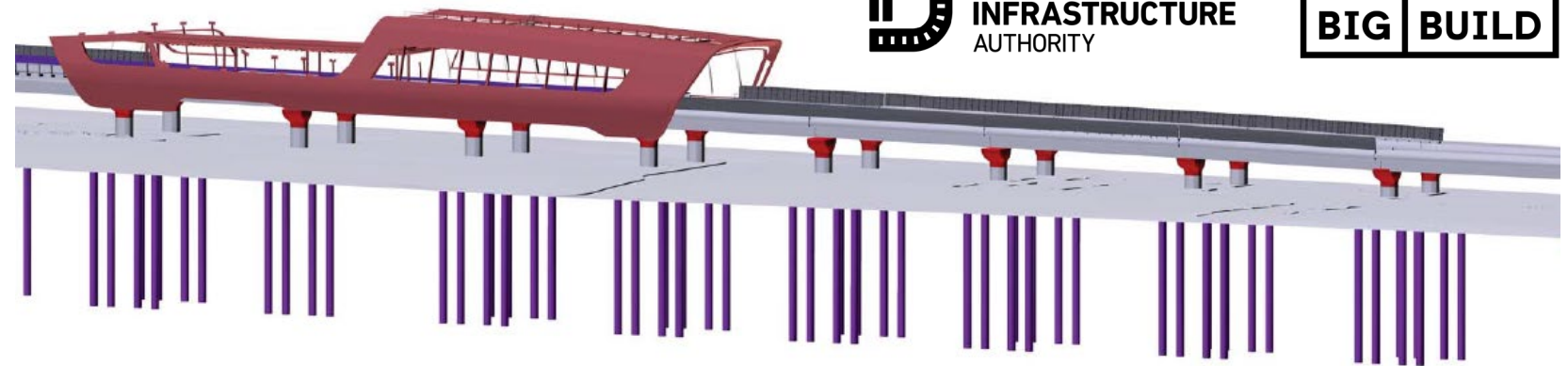
- Ensure major infrastructure projects' survey data is of a consistently high level
- Encourage greater use of digital submission of survey data..

Key activities

1. Creation of a licensed surveying standards handbook for infrastructure projects overseen by the Major Transport Infrastructure Authority.
2. Encourage digital submission of ePlan instead of paper.

Key benefits

- Specific surveying standards for major infrastructure projects clearly articulated.
- Major infrastructure projects are not delayed by unnecessary re-work of survey plans.



**MAJOR
TRANSPORT
INFRASTRUCTURE
AUTHORITY**



Murrumbeena station and elevated rail line was built as part of the Caulfield to Dandenong Level Crossing Removal Project.

Improving land holding record keeping systems, data flows for Crown land

Crown Survey Approval

Aligned to SLAI strategic priorities:

modernisation

Incorporate effective, contemporary land record holding, keeping and data flow practices into the management of Victorian Crown land.

future proofing

Ensure systems for Crown land record holding, keeping and data flows will meet future land dealing demand.

powerful insights and quality decision-making

Land dealing decisions will be correctly-informed by clarity of boundaries, ownership and status of Crown land and freehold lands.

About the project

- Improve land management information practices.
- Improve record-keeping in land-holding information systems.

Key activities

- LUV 3D Digital Roadmap.
- Implementing recommendations in the Victorian Environmental Assessment Council's (VEAC) Statewide Assessment of Public Land Final report.
- Implementing recommendations in the Great Ocean Road Action Plan, 'Protecting our iconic coasts and parks'.

Key benefits

- Purchase, sale and lease decisions correctly informed by having clarity of boundaries, ownership and status of Crown land and freehold lands.



June 2019

GREAT OCEAN ROAD ACTION PLAN Be careful what you ask for!

The Victorian government intends to establish a new government institution, the **Great Ocean Road Coast and Parks Authority**, to take over planning and land management responsibility along the Great Ocean Road.

Though co-ordination and planning improvements for the Great Ocean Road region would be sensible, and consistent management of the many small reserves along the coast would be very useful, a take-over of the management of our major national parks and marine parks is complete overreach.

It would mean duplicating the skills and expertise of Victoria's dedicated park management agency, Parks Victoria. It would be an institutional land grab of some of our most precious natural areas, and set a dangerous precedent, potentially undermining national park management across the state.

While the proposed new park authority would contract Parks Victoria to implement management actions, all management decisions and prescriptions for the national parks would be made by the new authority.

Importantly, the perceived problem or issue with national park management that would necessitate such a drastic move has not been identified, let alone stated. We don't believe that problem exists.



Twelve Apostles. National Parks have successfully protected around 80% of the Great Ocean Road. Photo: Unsplash/John Burnett.

VICTORIAN NATIONAL PARKS ASSOCIATION Level 3, 60 Leicester St Carlton Victoria 3053.
PH 03 9341 6500 | EMAIL: vnpa@vnpa.org.au | WEB: www.vnpa.org.au | ABN 34 217 717 993

ISSUES PAPER

PAGE 1

Geodesy

Aligned to SLAI strategic priorities:

modernisation

Upgrades to support implementation of datum modernisation initiatives.

future proofing

Implement IT system advancements to support current and future delivery of spatial information.

collaboration and engagement

Conduct business needs analysis to ensure enhancements meet customer expectations.

powerful insights and quality decision-making

Ensuring ongoing maintenance and accessibility to spatial information to support improved decision-making.

About the project

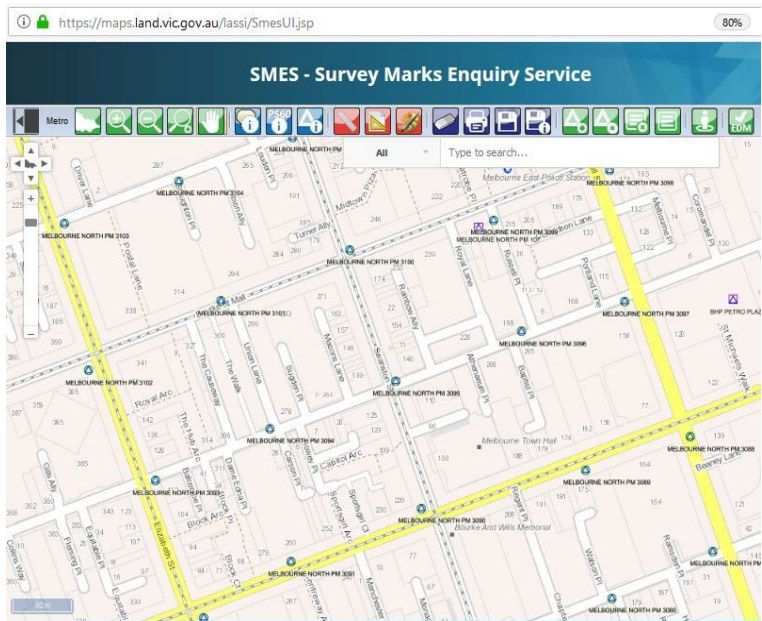
- Improve customer experience and interaction with online applications.
- Support use on mobile devices.
- Support access to new national coordinate reference systems.

Key activities

1. Business needs analysis.
2. Unification of LASSI suite of online applications.
3. Modernisation of user interface.
4. Review and enhancement of IT system processes.
5. Implementation of datum modernisation initiatives.
6. Incorporation of data processing and adjustment capability.
7. Questionnaire for SMES customers to investigate how they apply the geodetic data accessed through this service.

Key benefits

1. Improved customer experience and interaction with LASSI suite of online applications.
2. Improved access to accurate and reliable survey control mark information at no cost.
3. Immediate access to LASSI products using mobile devices.



Positioning Australia – strategic alignment review

Geodesy

Aligned to SLAI strategic priorities:

modernisation

Update GPSNet systems and processes to align with Positioning Australia program to deliver improved positioning services and data for no cost.

future proofing

GPS ground station and processing software technology updates to ensure delivery of highest quality positioning data to encourage innovation.

collaboration and engagement

Ongoing collaborative arrangement with Commonwealth government, and support to VARs during transition.

powerful Insights and quality decision-making

As part of collaborative agreement, GPS ground station data is required to adhere with service level agreement standards and be made freely available to encourage innovation and improve decision-making.

About the project

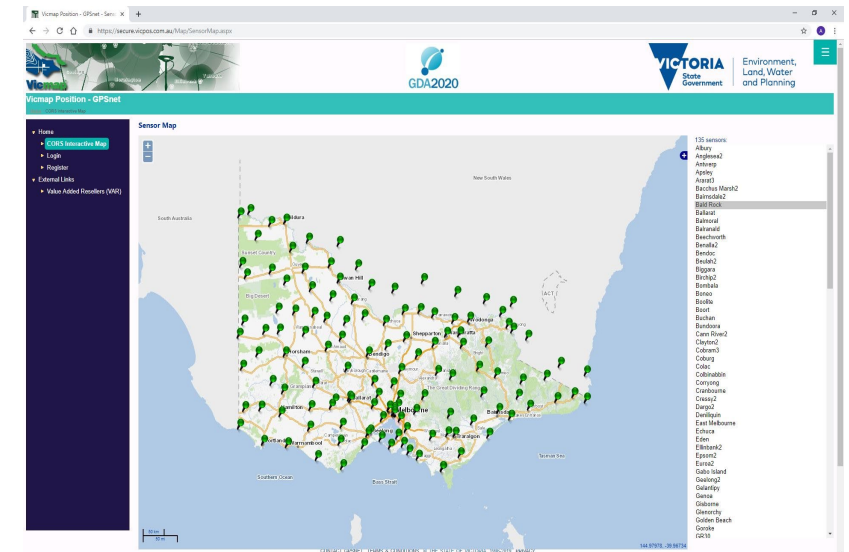
- Update GPSNet systems and processes to align with Positioning Australia program to improve positioning services across Australia.
- Access to accurate and reliable open data will accelerate adoption and development of location-based technology and applications.

Key activities

1. Signed national collaborative project agreement with Geoscience Australia on National Positioning Infrastructure.
2. Transfer operational control of 10n high quality GPS ground stations to Geoscience Australia.
3. Support installation of additional GPS ground stations within Victoria.
4. Transition from charging for a service to providing free and open access to all data.
5. Adherence to service level agreements associated with data distribution, analytics and monitoring.

Key benefits

1. Improved access to accurate and reliable positioning services and data at no cost.
2. Contribute to national open data policy intended to increase uptake of positioning services and encourage innovation.
3. Increased productivity and reduced operational costs
4. Avoid unnecessary duplication of effort.



Geodesy

Aligned to SLAI strategic priorities:

modernisation

Enhanced gravity data will contribute to modernisation of national vertical reference system and support accurate and reliable height determination from GPS.

future capabilities

The ability to determine accurate and reliable heights from GPS will support a wide range of applications and innovations. This significantly reduces operational costs.

future proofing

The improved gravity data will support height determination from GPS now and into the future when Australia adopts a new vertical reference surface.

collaboration and engagement

Acquisition to be organised through collaborative arrangement with Commonwealth Government. The project will be a case study to support similar surveys in Victoria and other States and Territories.

powerful insights and quality decision-making

Free and immediate access to accurate and reliable height information from GPS will support innovation and improve decisions-making.

About the project

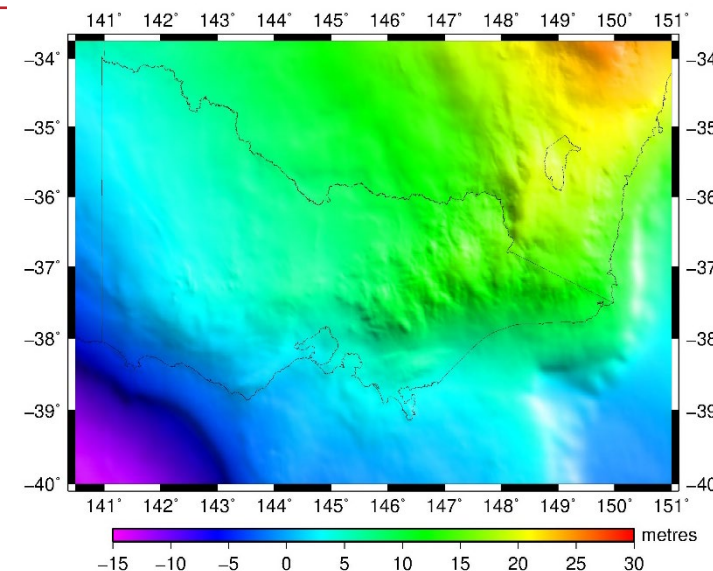
- Acquisition of airborne gravity survey data over targeted regions of Victoria (Greater Melbourne and central Victorian coastline, Eastern highlands).
- Enable accurate height determination from GPS.
- Ensure Victoria is well-placed to adopt a new national vertical reference system.

Key activities

1. Project agreement with Geoscience Australia who will facilitate the airborne gravity survey data acquisition for Victoria.
2. Funding provided by Victoria.
3. Geodesy team to lead development of project specifications.
4. Data included in national gravity database.
5. Data incorporated into national geoid model.

Key benefits

1. Improve height determination from GPS positioning in Victoria.
2. Enhance the geoid model and ensure Victoria is well placed to adopt a new national vertical reference surface.
3. Contribute to the Australian National Gravity Database
4. Support a range of geological mapping applications.



This is an image of the Australian Vertical Working Surface of Victoria

Geographic Names Victoria

Aligned to SLAI strategic priorities: **modernisation**

Incorporating an understanding of Aboriginal languages and the meanings of words used in place and road names.

future capabilities

Enable Geographic Names Victoria/ Surveyor-General Victoria (GNV/SGV) staff and other naming authorities to develop capability for using Aboriginal names when creating or auditing new place names.

future proofing

Embed capabilities for using Aboriginal names when creating or auditing new place names to the practices of GNV/SGV staff and other naming authorities.

collaboration and engagement

Enhance capabilities of other naming authorities for using Aboriginal place names.

powerful insights and quality decision-making

Learn from Traditional Owners to guide the naming practices for using Aboriginal language in the naming of roads, features and localities.

About the project

- Supports reconciliation and the revitalisation of Victorian Aboriginal languages.
- Better integrates Aboriginal culture and history into Victoria's place and road names.

Key activities

1. Conducting training sessions on using Aboriginal names when creating new place names.
2. Capturing historical information about Aboriginal place names for existing places and roads.
3. Engaging with traditional land owners about this initiative.

Key benefits

1. Strengthens relationships with Traditional Owners to support reconciliation and revitalisation of Aboriginal language through collaborative naming.
2. Naming practices which reflect Victorian society as a whole by appropriately recognising Aboriginal culture.

Aboriginal place names – Our languages matters –
Taungurung Peoples (Broadford Golf Course)



Image 1: Hearing from Auntie Sharon, Jo and Loraine around revitalisation of language.



Image 3: Round table conversations, covering revitalising, removing inappropriate names and new naming opportunities.



Image 2: All eyes turn to Aunties to hear about the use of language, business of the Registered Aboriginal Party.



Image 4: The day was captured via live scribing, which provides a visual aid of the day and is provided to attendees.

Victoria's complex site addressing program

Geographic Names Victoria

Aligned to SLAI strategic priorities: **modernisation**

Ensuring place and road naming practices across Victoria recognise the different ways land parcels are inhabited/ used and how access is provided from public roads and other infrastructure.

future proofing

Increase consistency of place and road naming practices across Victoria to enable emergency services to efficiently attend to emergencies within large, private communities.

collaboration and engagement

Ensure owners of roads complex sites are aware of the benefits of complying with Victoria's place and road naming rules.

powerful Insights and quality decision-making

Leverage insights on response times from relationship with emergency services to develop better engagement with owners of places and roads with privately-owned communities which enhance overall community safety.

About the project

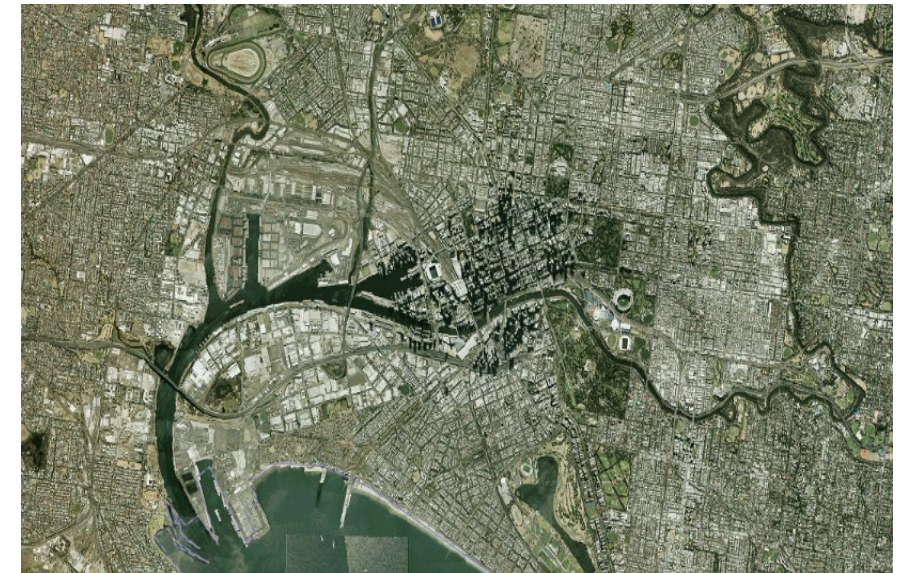
- Emergency services at times experience difficulties in attending emergencies in complex, privately-owned sites (e.g. retirement villages, universities and caravan parks) as the identification of roads and sub-addresses within these sites is not currently required by law.
- This initiative will look at ways to better engage and educate the owners of these complex sites about the benefits of complying with Victoria's place and road-naming rules.
- This project will enable place and road names to be provided to Victoria's emergency services and assist with faster response times.

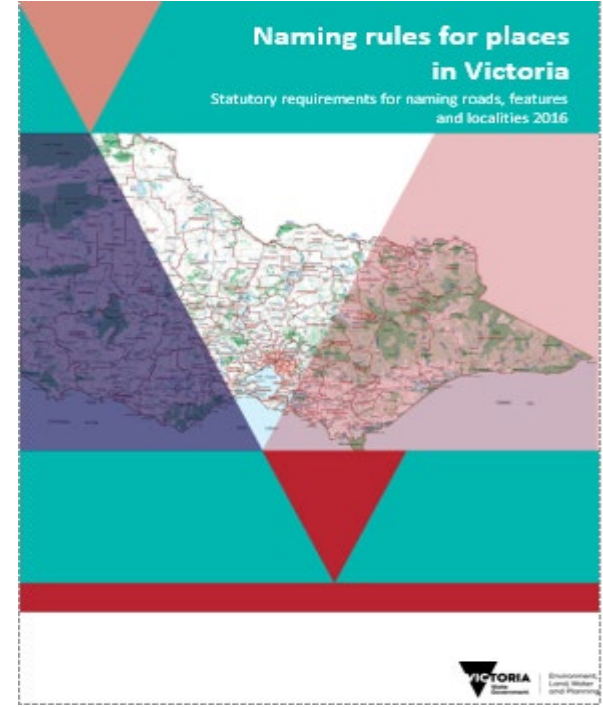
Key activities

1. Delivering the following for places and roads on complex sites on privately-held land, e.g. retirement villages and caravan parks:
 - i. Register road and place names in VICNAMES; and
 - ii. Follow Victoria's place naming rules.

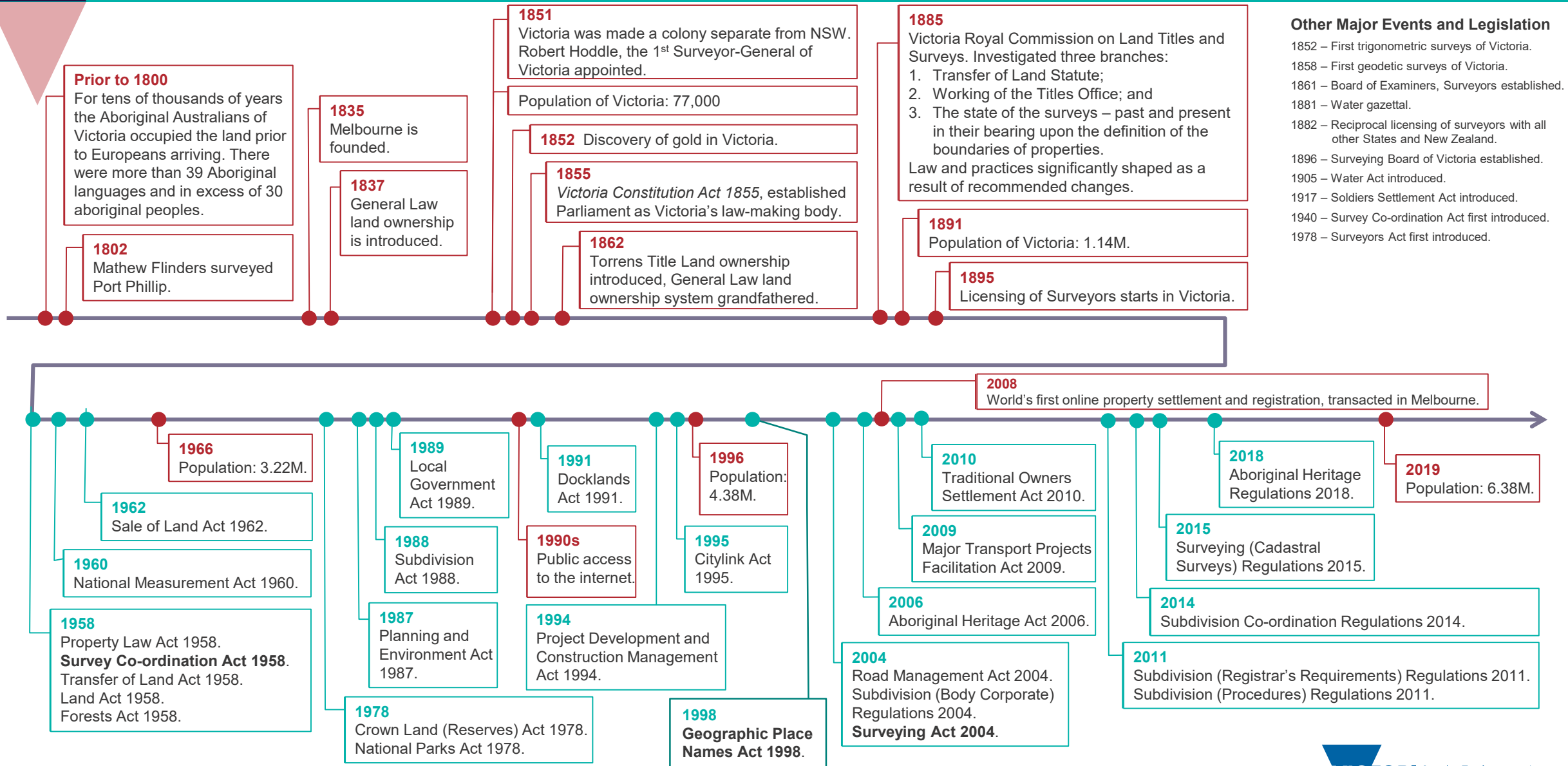
Key benefits

1. Community safety – naming clarity and certainty for emergency services. Reduction in the risk of name duplication and confusion between public places and roads with privately-owned communities.
2. Emergency services will be able to efficiently attend to emergencies within large, private communities.



Geographic Names Victoria	About the project	Key benefits
<p>Aligned to SLAI strategic priorities:</p> <p>future proofing Ensure Victoria's place and road naming rules remain relevant and effective in the future.</p> <p>collaboration and engagement Ensure feedback from all relevant stakeholders is incorporated into the review.</p> <p>powerful insights and quality decision-making Ensure updates to the naming rules reflect the most effective insights drawn from both Geographic Names Victoria/ Surveyor-General Victoria (GNV/SGV) staff and stakeholders.</p>	<ul style="list-style-type: none">• Naming rules must reflect the community and be in line with national and international standards.• To ensure the rules remain current they are required to be reviewed every five years. <hr/> <p>Key activities</p> <ol style="list-style-type: none">1. Engagement with stakeholders.2. Geographic Place Names Advisory Panel provides independent review.3. Review and briefing the Minister.	<ol style="list-style-type: none">1. Rules that reflect the current needs of the community for the naming of places.2. Assist with public safety by creating names that are reflective of this phase in history. <div><p>The image shows the front cover of a document titled 'Naming rules for places in Victoria'. The cover features a map of Victoria with various regions highlighted in different colors (teal, purple, red, and light blue). The title is prominently displayed at the top in white text on a teal background. Below the title, it says 'Statutory requirements for naming roads, features and localities 2016'. At the bottom right, there is a small logo for the Victorian Government, Department of Environment, Land, Water and Planning.</p></div>

Timeline of major events and legislation in Victoria



Surveyor-General Victoria
Department of Environment, Land, Water and Planning
2 Lonsdale Street, Melbourne
surveyor.general@delwp.vic.gov.au
Phone: (03) 919 40284

Business units:

Cadastral Infrastructure and Standards – sgv.surveyors@delwp.vic.gov.au

Crown Survey Approval – csa.enquiries@delwp.vic.gov.au

Survey Mark Enquiry Service – smes.support@delwp.vic.gov.au or phone (03) 919 40770

Geographic Names Victoria – geo.names@delwp.vic.gov.au or phone (03) 919 40282

Surveyors Registration Board of Victoria - info@surveyorsboard.vic.gov.au
or phone (03) 919 40258

Connect with us:



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