

# Canadian report



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**FIG Commission 7  
Annual meeting 2009**

**Kuala Lumpur, Malaysia**



**KUALA  
LUMPUR**



**KUALA LUMPUR**



# British Columbia

## Land Title and Survey Authority (LTSA)

- In 2008/09 the Land Title and Survey Authority (LTSA) faced for the first time in its history as an independent organization the impact of a declining real estate market.
- LTSA processed 1.14 million land title office applications, down nearly 16%

## The Land Title Division

The Land Title Division of the LTSA implemented the Electronic Filing System (EFS) in 2004 which permits authorized users to electronically submit land title documents for registration.

- In 2008/09 38.6% of documents were submitted electronically
- Continuous work with stakeholders, primarily lawyers and notaries for improvements
- For more information on EFS:  
[http://www.ltsa.ca/ltd\\_efs\\_home.htm](http://www.ltsa.ca/ltd_efs_home.htm)





# British Columbia

## Electronic Survey Plan Project

- It is now possible to submit electronic survey plans but it is not mandatory yet.
- 80% of the Land Act plans prepared for filing in the Crown Land Registry were prepared electronically.
- In the next year there will be some discussions with the Association of BC Land Surveyors about the graduated introduction of requirements to prepare plans electronically.

For more information please visit the ESP web site at:

- <http://www.ltsa.ca/electronic-filing-system/electronic-filing-of-survey-plans>

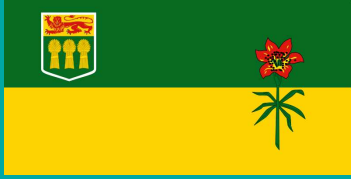




# Alberta

- Implement requirement for electronic submissions of crown land and Land Titles Office survey plans (January 2010).
- In partnership with Spatial Data Warehouse Ltd., completed crown land mapping (licenses, leases, permits) (October 1, 2009).
- Developed Dual Registration policy to eliminate duplicate registration of crown land surveys at the Land Titles Office (licenses, leases, permits) – (August 1, 2009).
- Implemented electronic submission of applications/amendments to used crown land (August 1, 2005).

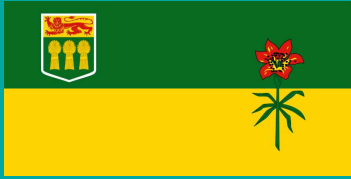




# Saskatchewan

- has a comprehensive digital cadastral “surface ownership” property map integrated with its Land Titles system. The map system is based on the geodetic and legal survey systems in place in the province.
- provides a survey plan examination service with daily updates to the digital cadastral property mapping system.
- is implementing a “Mineral claims on-line” system this year based on the Cadastral parcel mapping to provide better service to industry exploration firms.

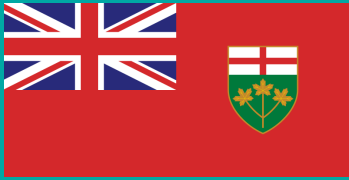




# Saskatchewan

- will follow this work up next year with an inter-agency Crown Lands Management system to better manage all aspects of permits on crown lands.
- is acquiring 60cm color orthophoto imagery for the entire province (2008-2012) to support the varied requirements of land management and facility planning.
- has implemented a “Geosask” portal for one window access to provincial GIS/Mapping/Surveying information.
- Saskatchewan advances towards using digital geographic information for enhanced land management and improved service to citizens and industry.





# Ontario

- Both the Surveyors Act and the Mining Act are currently under review.
- Changes to the Ontario Crown Land Survey Instructions were implemented on April 1, 2009 requiring integrated surveys and digital submissions. The changes will also allow Crown plans to be archived in a digital format.
- The office began scanning survey records in the summer of 2008 to serve clients more efficiently. To date 12,444 of approximately 48,000 critical records have been scanned.
- In cooperation with partners Ontario continues to produce high-resolution (better than 0.3m) ortho-photography for the province with contracts in place to cover the majority of the province below 51 degrees latitude.







# Québec

## Office of the Surveyor-General of Québec (Public Land)

In the next 2 years, the OSG will:

- Complete the digitalization stored in its Archives:
  - 70 000 survey plans
  - 62 000 survey reports and other documents, some dating back to the XVIII<sup>th</sup> Century (A total of 2,4 million pages)
- Modernize the Archives Managing System. The new system will be based on the same system EDIT that operates the Registry of the Domain of the State (RDE).
- Theses projects will:
  - Secure the durability of theses unique documents
  - Allow internal and external users to make geometric (spatial) search and order documents available in the intervention area
  - Improve the efficiency for both the OSG and its clients

## Cadastral Department (Private Land)

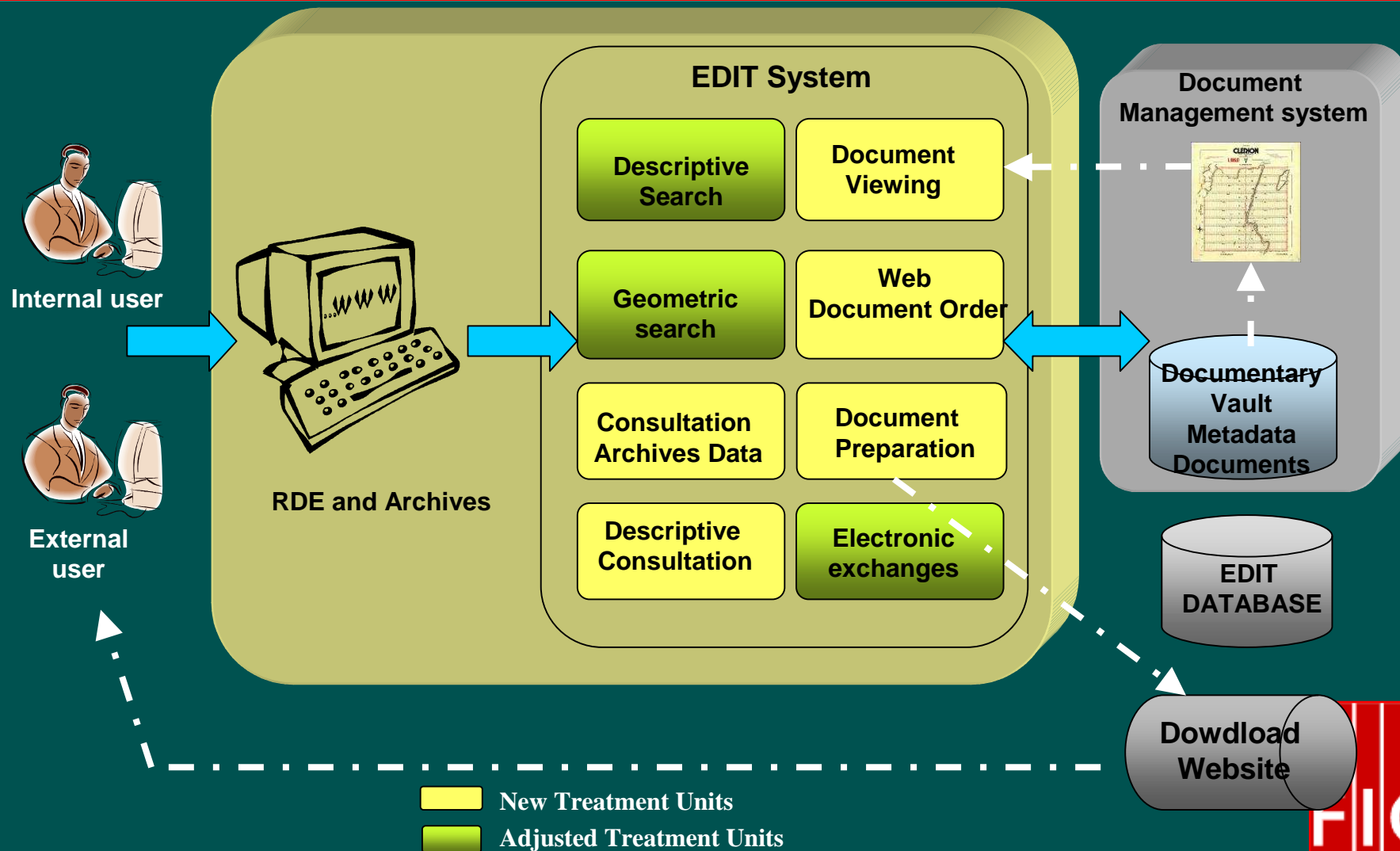
- A similar project will be realize on the same timeframe for the Cadastral Archives (500 000 cadastral plans, 1M other documents)

### Objectives:

- **Fully electronic exchanges with land surveyors**
- **No more paper in our Archives**



# Québec OSG – Archives Managing System





# New Brunswick

- Land Titles in New Brunswick is a parcel based registration system which utilizes a Parcel Identifier (PID) to uniquely identify parcels of land and to record interests in that land.
  - Once parcels have been converted to Land Titles as "registered land", the interests of individuals and enterprises in a parcel are guaranteed by the province.





# New Brunswick

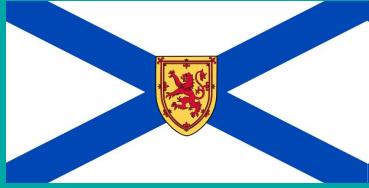
## Current

- A "Land Registry Future Process" initiative is underway to maximize the efficiencies in Land Registry resulting from the implementation of E-Submission and introduce "Process Centers" to centralize expertise and handle the majority of registrations.
- Disposition of the paper documents currently being stored in boxes, post the Historical Imaging Project.

## Future Plans

- Amendments to the Land Titles Act so that sensitive information is no longer publicly accessible
- Migrate PLANET to a new authentication system
- Technology upgrades for imaging
  - Email: [edgar.quinton@snb.ca](mailto:edgar.quinton@snb.ca)
  - Website: [www.snb.ca](http://www.snb.ca)

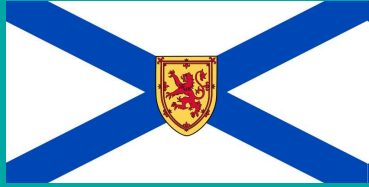




# Nova Scotia

- The Surveys Division is a section of the Land Services Branch within the Department of Natural Resources.
- Land Services have initiated a renewal project to make the best use of their resources in order to serve their clients more efficiently and effectively.
- Phase 1 of this project is complete:
  - review and document current business processes
  - develop recommendations to reduce backlogs and allow staff to work more effectively in the short term
  - develop an operational vision for Land Services
  - develop a high level implementation plan to make the vision a reality
  - A vision for change was developed.





# Nova Scotia

- Key Policy Issues:
  - Move to fully digital GIS environment for surveys and the Crown Land Information Management Centre.
  - Continue to migrate larger blocks of Crown land and reconcile the ungranted layer.
  - Continue with the practice of locating isolated Crown property corners with GPS
  - Create a geo-database environment which will allow the GIS Section to improve the way they update/distribute cadastral data base.





# Federal Government (Canada Lands)

## ARCHIVES AND STANDARDS

- Archives of the International Boundary Commission now incorporated in the archives of the Canada Lands Survey Archives
- Archives now available into Google Earth (<http://clss.nrcan.gc.ca/googledata-donneesgoogle-fra.php>)

## MODERNIZATION OF THE CANADA LANDS SURVEY SYSTEM

- E-environnement:
  - Electronic surveying documents mandatory
  - Surveying instructions and file follow-up now issued and accessible online through a secured portal

## CADASTRAL SYSTEM

- Contribution LADM ISO Standards



# Thank you

