



A National Network of Surveyors' Associations

Association of Newfoundland Land Surveyors
Association of PEI Land Surveyors
Association of Nova Scotia Land Surveyors
Association of New Brunswick Land Surveyors
Ordre des Arpenteurs-Géomètres du Québec
Association of Ontario Land Surveyors
Association of Manitoba Land Surveyors
Saskatchewan Land Surveyors' Association
Alberta Land Surveyors' Association
Association of BC Land Surveyors
Association of Canada Lands Surveyors



A Concept for the Future

Presented for Discussion



“Present trends will continue, with a quiet decline of surveying. More and more of the work and decision making in the spatial information infrastructure will be assumed by other groups. The internal divisions within the larger profession will prevent any long-term solution to this erosion of the surveying profession. Voices may cry in the wilderness, but the future is largely decided already, because it has been in the profession's hands for decades.”

Surveying, Geomatics, and Engineering: A "Structure" for a Rapidly Evolving Profession, Surveying and Land Information Science, Sep 2005 , Hazelton, N W J



The Canadian Context...

***Why the status quo is
not acceptable.***



- Trends indicate that the **membership will decline** to below critical levels in some regions if the profession does not take steps.
- There are currently **11 different versions of the cadastral survey profession** in Canada with fewer than 3,000 surveyors. The profession is fractured with no cohesive voice to key users in government, industry and the public.



- The **administrative costs** in running 11 different associations are high given the size of the membership.
- Some associations are complaining of **volunteer burnout** as numbers decrease and workloads increase.



- There is no national agreement on an **expanded profession** model; existing models have not been a success.
- **Current fiscal and governance model** of CCLS is not sustainable.



- **Lack of interaction** between the surveying and GIS/LIS communities results in lost opportunities for both.
- **Mixed messages** are creating confusion with key national clients, diminishing credibility, influence and professional status.
(For example, standards related to products such as Real Property Reports, Subdivision Surveys, etc. result in inconsistent products.)



- **The labour mobility trend:**

(Agreement on Internal Trade(AIT), Trade, Investment and Labour Mobility Agreement(TILMA))

The public and governments are demanding improved inter-provincial mobility in order to meet current and future demands.



Simply put ...

Action must be taken to address the whole profession nationally - not just the growth (or decline) of the 11 cadastral regulating bodies.



Proposal: Focus on a Solution

“Address the profession of surveying with a national association that can put the well-being of the profession as its prime purpose.”



Create model national definitions for:

- **Professional Surveyor**
- **Professional Surveying**



**New Association as umbrella for traditional Cadastral role...
Responsible to Maintain Boundaries – Land Surveying**

**Existing Core Land Surveying
Infrastructure**

**11 Associations retain their
local regulatory role**

- Survey Systems
- Provincial, Territorial, International Boundaries
- Standards
- Boundary Framework – Fabric
- Professionals (Licensed) + Self-governing bodies

**Existing Core Land Surveying
Products**

- Marked Boundaries and related work
- Certification – boundary determination
- Cadastral Surveying
- Graphic or electronic representation of boundaries and structures related to boundaries

**Potential Core Land Surveying
Products/Services**

Certification of the spatial extent
of all rights and restrictions



... and also for the related **Geomatics Professionals**
Existing and potential members, land/marine based
surveyors, graduate students

**Existing Expanded
Profession**

Hydrography, Geodesy,
Photogrammetry, GIS/LIS

**Potential Expanded
Profession**

Appraisal, Environmental Site
Assessments, Land Use
Planning

**Potential Prof. Surveying
Products/Services**

- **Comprehensive Geomatics Project Management** including:
Mapping and Geographic information management,
Subdivision Design, etc.
- **Accepting Professional Responsibility** for the outputs including integration and presentation of information to ensure effective decision making for development activity.



Proposed new association:

***“Professional Surveyors of
Canada”***

- Would replace the CCLS,
- gradually provide non-regulatory services nationally that are now provided through the associations, and
- potentially consolidate some existing roles of other organizations.



“Professional Surveyors of Canada”

- National education standards would be in place such that graduates from accredited universities would immediately receive the “Professional Surveyor” designation.*
- There would be no restrictions to practice in related geomatics disciplines other than professional ethics.
- Non-cadastral disciplines would be subject to peer review.

* *Suggested name only*



“Professional Surveyors of Canada”

- Professional recognition includes responsibility for activities in related geomatics disciplines but not for cadastral (legal) surveying.
- Members practicing cadastral (legal) surveying must meet the specific requirements of each property rights system and be overseen by the regulatory bodies
- The new organization will be ethics based.



“Professional Surveyors of Canada”

- Common certification requirements for professional surveying would be encouraged across jurisdictions. A first step could be to form regional chapters for example Prairies and Atlantic.
- Resources would be consolidated to take advantage of economies of scale for association services that may be duplicated across jurisdictions, such as public/career awareness, continuing professional development, etc.



“Professional Surveyors of Canada”

- A move towards common standards would be encouraged.
- Alliances would be sought with appropriate organizations such as CHA, CIG, URISA, GITA and GIAC
- Professional Surveyors of Canada could, ***in time***, supplant the existing models for the expanded profession and become the logical home for professionals in the non-regulated geomatics disciplines in Canada.



Benefits of the Proposed Model

1. Improved service and protection for the public:
 - Improved professional recognition
 - A stronger more cohesive profession
 - Improved communication and relationships with key users
 - Improved public relations and marketing
 - More efficient delivery of services, reduced duplication
 - Increased recruitment



- ## 2. National Professional Recognition:
- One national model for the profession recognized by all levels of society
 - Improved mobility across jurisdictions
 - Protection of the public through recognized common standards for all disciplines



3. A Stronger More Cohesive Profession:

- A national education curriculum relevant to evolving client needs
- Increased recruitment
- Reduced operational costs and volunteer burnout
- More access to continuing education opportunities



4. Improved Communication and Relationships with Key Users:

- A cohesive consistent voice for the profession
- Improved communications to government and other key clients

5. Improved Public Relations and Marketing:

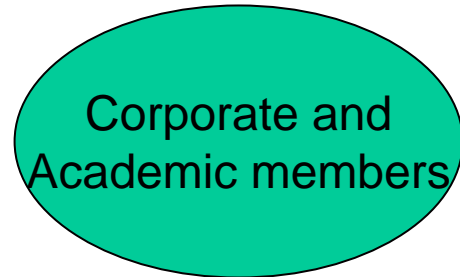
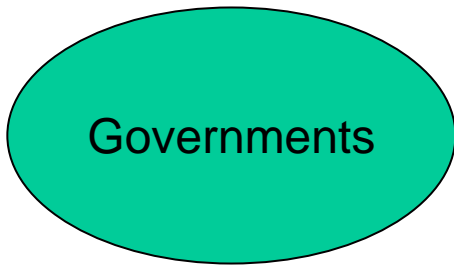
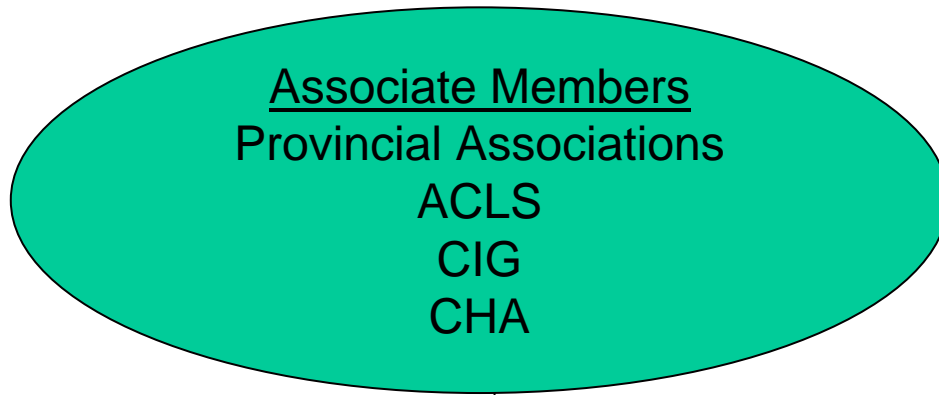
- Building the ***Canadian Surveyors*** Brand
- Improved national and international public exposure to the profession
- Improved marketing opportunities, particularly to offshore clients



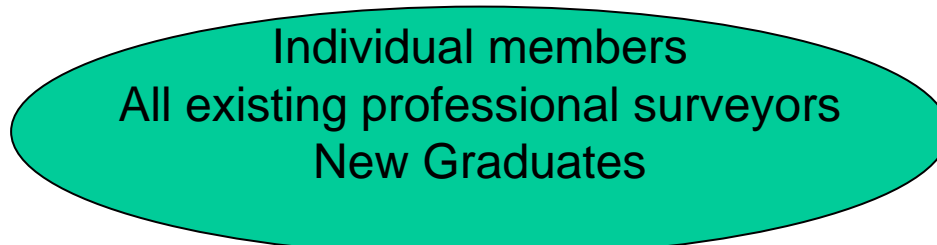
6. A National Home for Related Geomatics Professionals:

- Recognition immediately upon graduation
- Increased ability for new graduates to immediately participate in association activities
- International recognition as having met the Canadian standard for academic qualification and geomatics project management
- Access to continuing education
- Well defined and consistent track into provincial practice

Stage 1



Governance





Potential Milestones for Implementation

- Full implementation of the Canadian Board of Examiners for Professional Surveyors (CBEPS) (base academic requirements)
- Harmonization of entrance requirements for land surveyors (articles, professional exams)



Potential Milestones for Implementation

- Consolidation of public awareness campaigns
- Consolidation of continuing professional development (CPD) (perhaps under the CIG, CHA)



Potential Milestones for Implementation

- Work towards national standards for cadastral surveys
- Harmonization of national certification and regulation
- Peer review for geomatics disciplines



Potential Milestones for Implementation

- International representation (FIG, Comité de liaison des géomètres Européens, NAFTA, etc.)
- Grouping of jurisdictions (prairies, Atlantic) for licensure of cadastral (legal) land surveyors.



Obtaining “Buy-In”

- Draft report and presentation to the CCLS AGM October 2nd. **(Complete)**
- Revise report based on input from CCLS members by end of October 2007. **(Complete)**
- Next draft report and presentation to Association Councils for feedback at first available opportunity. **(Complete)**
- Present report and recommendations to Association annual meetings. **(In**



Recommendations

1. That a national association of surveyors, tentatively called the Professional Surveyors of Canada Association (PSCA), be operational by December 31, 2010, supplanting CCLS.
2. That the members of the PSCA be the individuals who work as surveyors across Canada, meaning that the PSCA would not be a federation of surveying associations in the same way as the Canadian Council of Land Surveyors (CCLS).



3. That the CCLS champion the formation of the PSCA over the next three years by
- Developing a business case;
 - Lobbying all Canadian surveying associations;
 - Liaising with other groups such as GIAC, post-secondary academia, provincial and federal government departments, and international surveying organizations (such as FIG); and
 - Arranging articles of incorporation pursuant to the *Canada Corporations Act*.



4. That the 11 member associations of CCLS divest themselves of a significant part of their current responsibilities beginning January 1, 2011. Such responsibilities may include:

- public awareness
- liaising with other professional groups
- lobbying industry and regulatory groups, marketing products and services
- providing continuing professional development
- facilitating inter-provincial mobility
- examining non-cadastral candidates



Vision

Surveying in Canada prospers by establishing a cohesive, member-driven, ethics-based national association for professional surveyors that offers a united voice, economies of scale and a solution to the fragmentation of the current surveying associations.



Next Steps

- Acquire national support from current professionals and prospective members including students
- Prepare a governance model
- Prepare a business plan
- Establish priorities and schedules
- Search out funding assistance



CCLS Future Participants/Resources

The CCLS Board of Directors

CCLS Executive and Executive Director

Interested and concerned surveyors from across
Canada

***** Your Comments and Support *****