

**Alberta Land Surveyors' Association  
Professional Examinations  
Spring 2008**

**Time Limit: 3 hours**

**The Surveying Profession  
(Closed Book Exam)**

*This examination contains 9 questions on 3 pages.*

**Marks**

**1. Bylaws, Council and Membership**

- 2 (a) What statute gives the ALSA the right to make by-laws?
- 2 (b) What process must take place for a new or revised by-law to come into force?
- (c) ALSA Council
  - 2 i) According to the Bylaws of the ALSA, what is the minimum number of elected members (ALSs) required to make up Council?
  - 2 ii) According to the Bylaws of the ALSA, what is the maximum number of elected members (ALSs) that can make up Council?
  - 4 iii) Name 4 elected positions (title of council member) that make up the ALSA Council?
  - 2 iv) Name all the appointed (non-elected) positions of Council?
  - 2 v) Who is responsible for breaking a tie vote at a Council meeting?
- 7 (d) Besides the term Alberta Land Surveyor, there are seven (7) other membership categories established by the association. Please name all seven (7) membership categories?

***Membership Name***

- 1) \_\_\_\_\_
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_
- 4) \_\_\_\_\_
- 5) \_\_\_\_\_
- 6) \_\_\_\_\_
- 7) \_\_\_\_\_

**2. Abbreviations and Definitions**

- 10 (a) What do the following abbreviations stand for?
  - i) ASSMT
  - ii) RPR
  - iii) TILMA
  - iv) MSLR
  - v) SRD

- 10 (b) Please define the following terms:
- i) Azimuth
  - ii) Bearing
  - iii) Boundary (as it relates to the Surveys Act)
  - iv) Parcel
  - v) Lost Monument
3. December 2007 *ALS News*, SPR Corner Case Study #34 (written by Fred Cheng) about integrations as it relates to non-monumented survey plans (delayed posting provisions under the Surveys Act).
- (a) In the article, Fred Cheng talks about a practitioner's roof-top control monument being used for a delayed posting subdivision control point.
- 1 i) Does the author believe this practice is acceptable?
  - 3 ii) Why or why not?
- 2 (b) The author believes that the datum definition is not clearly defined on the plan being reviewed in the case study. He believes that the MSP would clearly want NAD83 (original) as the datum. What is his argument for this?
- 2 (c) Under the MSP, is delayed posting of subdivisions a mandatory requirement?
- 2 (d) In what co-ordinate system do non-monumented corners need to be shown on the plan or registered document (according to the MSP)?
- 6 4. One of the functions of the Practice Review Board (PRB) is to derive interpretations on surveying related issues. There are currently six (6) PRB interpretations published, please describe three (3) of them?
- 5. Boundaries**
- 3 (a) Two or three years ago was some publicity surrounding the location of the Alberta/Saskatchewan Border. The border (4<sup>th</sup> meridian) was intended to be surveyed on the 110<sup>th</sup> degree of longitude, however a monument placed in 1938 along the 49<sup>th</sup> parallel to demarcate the boundary is approximately 80 meters east of the 110<sup>th</sup> degree of longitude, the intended location. Comment on the impact that this fairly recent observation should have on the border?
6. There are nine (9) articles within the Alberta Land Surveyors' Association (ALSA) Code of Ethics:
- 8 (a) Describe the principles four (4) of these nine articles (point form).
  - 2 (b) With reference to the ALSA Manual of Standard Practice, who has the responsibility to judge whether the code has been followed or not?

**7. Rights of Entry for Land Surveyors**

A March 2007 *ALS News* article by Fred Cheng talked about right of entry for land surveyors.

- 2 (a) A Right to Entry for Surveying on Private Property is laid out in the Surveys Act. Under what terms are is this right granted?
- 3 (b) Name three (3) other Alberta Statutes that give a right of entry for land surveyors?
- 5 (c) There have been a number of complaints by the public toward the ALSA and the Director of Practice Review regarding surveyors' apparent misuse of this right and/or damage to property. Please provide five (5) ideas that you would instruct your field crews to limit your exposure of potential liability?

**8. The following are related to the Surveys Act and the MSP?**

- 1 (a) What is the one fundamental difference between these two (2) sources?
  - 1 (b) Who has the final authority to make changes to:
    - 1 i) the MSP?
    - 1 ii) the Surveys Act?
  - 1 (c) In which document would you find the following:
    - 1 i) Natural Boundary? MSP/SA/Both
    - 1 ii) Requirements for collecting and storing your field notes? MSP/SA/Both
    - 1 iii) How to establish a corner from a witness monument? MSP/SA/Both
    - 1 iv) Requirements for Integrated Surveys? MSP/SA/Both
    - 1 v) Director of Surveys Road Allowance Policy? MSP/SA/Both

**9. In the December 2007 issue of *ALS News*, an SPR message on surveying public land in unsurveyed territory was written by Fred Cheng.**

- 2 (a) If a client of ours wants to bring public land in unsurveyed territory into the freehold regime (assume a straight forward subdivision):
  - 2 i) who needs to give approval for work?
  - 4 ii) what types of plans will need to be approved or registered and for whom (what departments or organizations)?
- 2 (b) Under the MSP, what must be done when doing work in unsurveyed territory as it relates to:
  - 2 i) ties to existing surveys?
  - 2 ii) derived bearings?