

NINTH SCHEDULE
LICENSED LAND SURVEYORS ACT 1958
LICENSED LAND SURVEYORS REGULATIONS 2011
[Subregulation 19(3)]

EXAMINATION

Part I - Cadastral practices

Written examination

The evolution, principles and practice of land tenure and knowledge of tenure systems in all States of Malaysia; Legislations in respect of title to land and land use, and rules and regulations made under such legislations, in so far as they affect the surveying profession; Practices of the Board, Department of Survey, Land Offices and Land Registrar pertaining to the cadastral surveying practice.

Part II - Submission of practical tasks

Submission of a title survey project

A candidate shall submit field books, relevant calculations, plans and digital data conforming to Department of Survey and Mapping standards therefrom including a report of not less than five hundred words for the following:

- (a) a title survey involving subdivision or alienation of lots for building (residential, commercial or industrial or a combination of thereof) and the survey shall —
 - (i) consist of not less than fifty complete lots. The subdivision or alienation of part of a lot or a combination of more than one lot is acceptable;
 - (ii) include refixation or replacement of boundary marks; and
 - (iii) include the determination of azimuth by solar observation.

- (b) a title survey involving subdivision of lot or lots for building (residential, commercial or industrial or a combination thereof) and the survey shall —
 - (i) be of an area not less than 2.5 hectares intended for mixed development;
 - (ii) include refixation or replacement of boundary marks;

- (iii) include survey for road reserves; and
 - (iv) include the determination of azimuth by solar observation.
- (c) a title survey for agricultural land comprising of three or more contiguous lots whose combined area is not less than seven hectares and the survey shall —
- (i) include two of the boundaries which shall coincide with and be reinstated from previous approved surveys;
 - (ii) include refixation or replacement of boundary marks; and
 - (iii) include the determination of azimuth by solar observation.

Submission of a topographical mapping survey project

A large scale topographic mapping of an area not less than ten hectares. The survey shall include—

- (a) horizontal control survey by method of traversing to cadastral survey standard;
- (b) determination of azimuth by solar observation;
- (c) vertical control survey by method of levelling;
- (d) detail survey of natural and man made features; and
- (e) spot heighting and generation of contours, contour intervals of not less than two metres.

Submission of an engineering survey project

A proposed road survey of not less than one kilometer in length. The survey shall include –

- (a) derivation of datum from boundary marks;
- (b) horizontal control survey to cadastral survey standard;
- (c) vertical control survey by method of levelling;
- (d) pegging of the right of way;
- (e) setting out of the route centreline;

- (f) strip topographic and detail survey; and
- (g) longitudinal and cross sectional profiling.

Submission of a photogrammetric mapping or hydrographic survey project

A large scale (1: 10,000 scale or larger) photogrammetric mapping of an area covered by not less than two photogrammetric models. The project shall include:

- (a) ground control survey;
- (b) relief representation by contour lines of five metres interval and spot heights;
- (c) compilation of relevant topographical features; and
- (d) final representation of the photogrammetric plot following closely the map specification of the Department of Survey Malaysia Town Series Mapping.

OR

A medium scale (1: 5,000 scale or larger) bathymetric survey of not less than twenty five hectares of a coastal area where the bathymetric survey lines are spaced at not more than one centimetre of the plotting scale. The survey shall include:

- (a) shore control survey;
- (b) establishment of tide pole and tidal observation; and
- (c) offshore navigation and positioning utilising either range-bearing or range-range electronic positioning system or real time differential Global Positioning System (GPS).

Submission of a subdivisional layout design project

A scheme of any type of development of approximately four hectares in area showing the access roading, layout of lots to including open spaces and basic amenities appropriate to the development and conforming to the prevailing planning requirement for such development.

Part III - Practical and oral examinations

Upon passing Part I and Part II of the above examinations, a candidate shall attend a practical and oral examination conducted by the Board pertaining to the following :

(a) Practical examinations

- (i) a title survey involving subdivision or partition of land; and
- (ii) levelling.

(b) Oral examinations

- (i) code of professional conduct;
- (ii) professional survey practice and topics related thereto;
- (iii) new technologies and instrumentation in the field of land surveying; and
- (iv) any other topics related to land surveying.