



Person undergoing approved course of study

Person working in surveying industry

STUDENT

Ordinary certificate in Surveying

Minimum 3 years experience as Assistant Surveyor

LICENTIATE

Higher certificate / Diploma, Bachelor Degree

Minimum 10 years experience as Assistant Surveyor

ASSOCIATE

Master Degree / PgD
in surveying relevant subjects AND 1 year experience in Engineering Surveyor/ GIS

Higher Certificate
Associate membership for one year AND 5 years experience as Engineering Surveyor

Higher Diploma
Associate membership for one year AND 3 years experience as Engineering Surveyor

Bachelor Degree
Associate membership for one year AND 2 years experience as Engineering Surveyor

Submit Project Report Approved by Board of Examinar

Professional Interview

MEMBER

By Application
- 35 years old or above
- holding senior position in Engineering Survey
- degree equivalent or above
- significant contribution to the Institution

Direct Entry
(For applicant who holds "recognized professional membership")
Recognized professional membership:
1. Member of HKIS-LSD
2. Member of CICES-GE
3. Member of RICS-Geomatics
4. RPS (LS)

FELLOW

By Invitation
an eminent person in the industry, invited by the Council of Management



香港工程測量師學會
THE HONG KONG INSTITUTION
OF ENGINEERING SURVEYORS

Guideline for membership application of HKIES

1. Membership grade
2. Application procedures
3. Standard of experience report
4. Membership review interview
5. Competence



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1: Membership grade in HKIES:

- ❖ *-Student*
- ❖ *-Licentiate*
- ❖ *-Associate*
- ❖ *-Member*
- ❖ *-Fellow*
- ❖ *-Honorary Fellow*



2: Application procedures and requirement

-Student

Person undergoing approved course of study OR person working in Engineering surveying industry

-Licentiate

Ordinary certificate in Surveying OR minimum 3 years experiences as assistant surveyor

-Associate

Person graduated in Higher Certificate, Diploma, Bachelor Degree, OR Minimum 10 years experiences as assistant surveyor.

-Member

Person with different academic qualifications:

Master degree / PgD –

- 1 year post academic experience in Engineering survey Or GIS,
- Professional Interview,

Higher Certificate –

- Associate member with 1 year experience OR,
- 5 year post academic experience as Engineering surveyor, and,
- Submit project report approved by board of examiner,
- Professional interview

Higher Diploma –

- Associate member with 1 year experience OR,
- 3 year post academic experience as Engineering surveyor, and,
- Submit project report approved by board of examiner,
- Professional interview

Bachelor Degree –

- Associate member with 1 year experience OR,
- 2 year post academic experience as Engineering surveyor, and,



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- Submit project report approved by board of examiner,
- Professional interview

Direct Entry –

For applicant who holds recognized professional membership –

- Member of HKIS – LSD (Hong Kong Institute of Surveyors, Land Survey Division)
- Member of CICES – GE (Chartered Institution of Civil Engineering Surveyors, Geomatics)
- Member of RICS – Geomatics (Royal Institution of Chartered Surveyors, Geomatics)
- RPS (LS) HK (Registered Professional Surveyors)(Land Survey Division)

-Fellow

By application –

- 35 years old or above
- Holding senior position in Engineering Survey
- Degree equivalent or above
- Significant contribution to the Institution

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3: Standard of experience report:

Applicant must submit an experience report with 1200 – 2500 words, which shows his/her contribution to a project, difficulties encountered in the project, appropriate solution to each difficulties and personal improvement or enhancement in engineering survey knowledge/skill through the project.

The project should not have taken place more than 5 years. The applicants should demonstrate their ability to solve the problem in the project by the experience report.

The experience report is not an introduction to a construction project or an operation menu of a new technique. Applicants should indicate their responsibilities in the project clearly. The most importance is that the applicants should demonstrate their achievement of high standard of professional in engineering survey industry.

The experience project report should demonstrate clearly that the applicant fulfilled the competence.



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4: Membership review interview

Before the commencement of the review interview, the submitted document by applicant should be checked by the membership interview panel. If all documents have been checked as fulfil the Member grade requirement, the review interview would be arranged.

The review interview is scheduled:

- 1: applicant introduces the project described in experience report,
- 2: examiners ask questions based on applicant's CV and experience report,
- 3: examiners ask questions related to engineering survey industry,
- 4: examiners ask questions related to professional bodies in Hong Kong.

Each interview is considered to be arranged not exceeded 30 mins. Basically, 2-3 examiners should be on the panel in each interview.



5: Competence

Applicant **MUST** demonstrate they have fulfilled the competence requirement in the project report and the professional interview.

Competence –

General Competence

- ✓ **-Understanding of the institution, and the role of a professional in engineering survey industry**
-Applicant should demonstrate the understanding of role of institution and professional surveyor in engineering survey industry.
- ✓ **-Managing resources in both manpower and equipment**
-demonstrate the solid experience in manage manpower and familiar with calibration procedure of survey equipment. Understand the relationship between calibration of equipment and data outputs.
- ✓ **-Team working**
-demonstrate the knowledge of concept and behaviour of team working
- ✓ **-Decision making and critical thinking**
-demonstrate the ability to solve the problem and constraints in survey work, especially can consider the alternative solution.
- ✓ **-Leadership**
-demonstrate fully understanding the importance of leadership skills and the responsibility of a leader in engineering survey industry.
- ✓ **-Communication effectively in writing and verbally**
-demonstrate the ability in communicate and present the survey result to other parties, understand the conflict avoidance, negotiation skills and effective verbal and written techniques applied in different situations.
- ✓ **-Understanding the importance of safety in construction industry**
-demonstrate the knowledge and concerns in carry out the engineering survey with safety awareness, avoid the occurrence of accident.



Engineering Survey Competence

- ✓ **Engineering survey knowledge**
 - *familiar with methodology, instrument use, project requirement .
Manage the design information and as-built data, setting out techniques in different situation and limitation. Demonstrate the ability to provide professional advice to the construction project in planning and problem solving.*

- ✓ **Geometric principles**
 - *knowledge in the definition of coordinate system, projection, datums. Demonstrate the experience in using the application of GNSS (Static, RTK), understand the advantage and limitation of the technology.*

- ✓ **Spatial Data management**
 - *knowledge in data extraction, transformation and computation, able to manage and analysis the result. Understand the specification of data format for different parties.*

- ✓ **Appreciation of engineering survey technique**
 - *planning of appropriate control networks, alternative methods for setting out or record survey, independent check and latest technology development in engineering survey. Demonstrate the knowledge in data adjustment and provide the advice in alternative method.*