



FIG Working Week 2024

19-24 May

Accra, Ghana

Your World, Our World:
Resilient Environment
and Sustainable
Resource Management
for All

Regulation and accreditation of surveying professions – challenges going forward (12421)

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GEOSA
General Authority for Surveying
and Geospatial Information





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Background

- Environmental, political, and social changes
- Technological innovations
- Complex projects
- Shortage of surveyors
- Low attrition

*“[a] surveyor is a professional person with the **academic qualifications** and **technical expertise** to conduct one, or more, of the following activities;*

- *to determine, measure and represent land, three-dimensional objects, point-fields and trajectories;*
- *to assemble and interpret land and geographically related information,*
- *to use that information for the planning and efficient administration of the land, the sea and any structures thereon; and,*
- *to conduct research into the above practices and to develop them.” (FIG, 2004)*

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Aims

Compare the current approaches to regulation and accreditation of surveying professions in the US and the UK and identify key challenges going forward:

- Education
- Experience
- Examination

Methodology

- Legal requirements pertaining provision of surveying services
- Guidelines, professional standards, and other rules imposed through professional self-regulation
- Wider professional literature





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UK – 3-tier professional regulation system

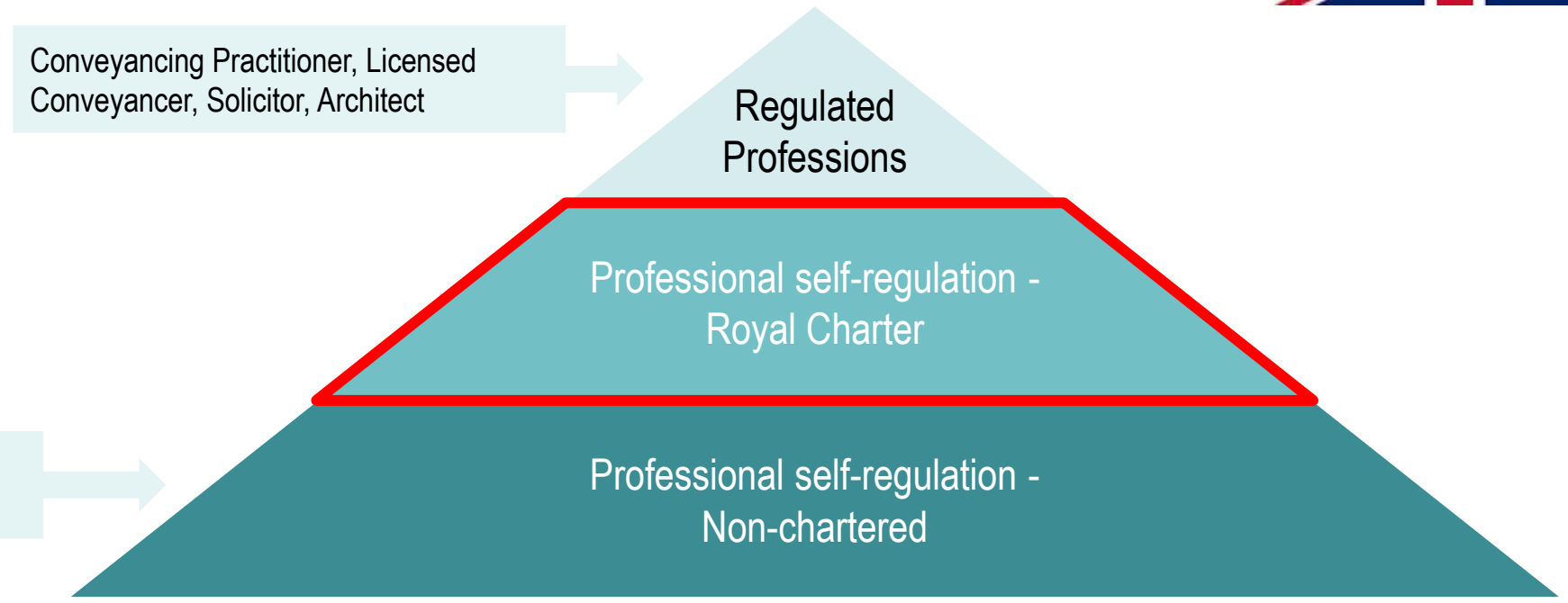
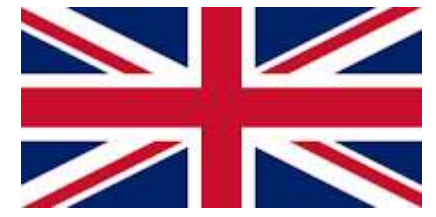




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Royal Institution of Chartered Surveyors Towards membership



- 21 pathways
 - Land
 - Property
 - Construction & Infrastructure
- Education
 - Accredited programmes
 - Apprenticeship
- MRICS
 - 2 years of relevant experience and an RICS-accredited degree;
 - 5 years of relevant experience and any bachelor's degree; or
 - 10 years of relevant experience operating at an advanced level by seniority, specialisation, or in academia.
- Examination – APC - Evidence of professional practice & CPD



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Challenges and considered changes



“renewed and increased focus on the public interest”, “maintaining self-regulation” and “showing greater leadership on the issues that matter most to society, such as sustainability and climate change” (Bichard, 2022)

- Refresh competencies with more focus on sustainability, data management and soft skills
- Consultation on regulations, e.g. valuers
- Improving diversity



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Licensure

- Regulation by each state and territory
- NCEES Model Law on the 3-E's
- Licensure requirements vary with each state
 - Education
 - Experience
 - Examination
- State legislations consideration of reducing the educational requirements
- Concerns over deregulation
 - NSPS and respective state societies lobbying efforts
 - Perplexing perception that the surveyor profession is becoming obsolete while the demand for their expertise is increasing



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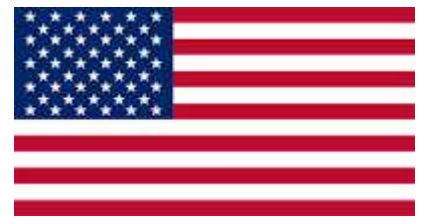
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National Council of Examiners for Engineering and Surveying (NCEES)



- Model Laws and Rules
- Fundamentals of Surveying (FS) Examination
- Principles and Practice of Surveying (PS) Examination
- Respective state may require a state-specific examination (boundary)
 - State Statutory Law
 - State Case Law





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- LICENSURE
- STATE SPECIFIC EXAM
- PS EXAM
- EXPERIENCE
- SIT (SURVEYOR-IN-TRAINING)
- FS EXAM
- HIGHER EDUCATION (4-YR)
- HS GRADUATION

Minimal Competency

Each State may or may not require NCEES PS (modules in the future)

Progress Experience

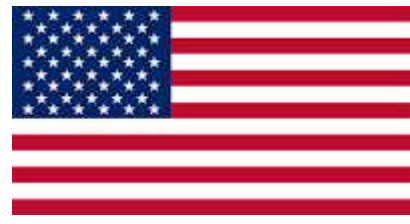
SIT administered by State

NCEES FS

Education regulated by State

Begin pathway to licensure

- LICENSURE
- STATE SPECIFIC EXAM
- PS EXAM
- EXPERIENCE
- SIT (SURVEYOR-IN-TRAINING)
- FS EXAM
- HIGHER EDUCATION (2-YR)
- HS GRADUATION



Education –
Experience Tiered
Pathway



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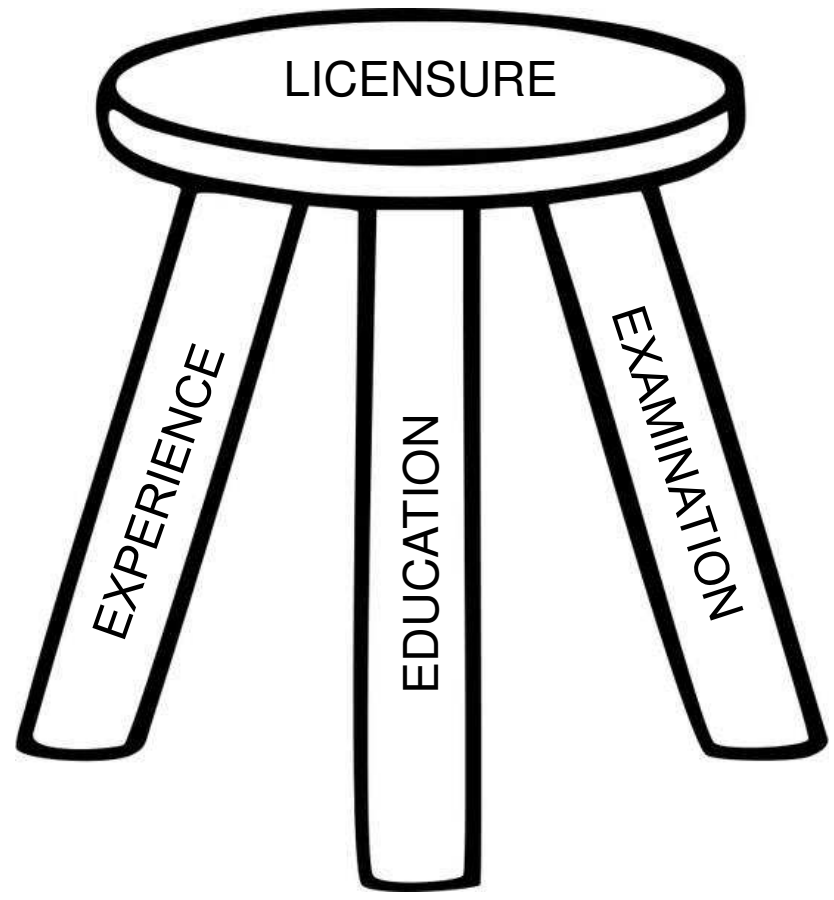
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Conclusions

- Complex regulations
- Voluntary certification / licencing
- Varying requirements



- Inflow of new professionals
- Progression to certification
- Attrition
- Mobility issues
- Training for life
- Professional ethics



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SUSTAINABLE DEVELOPMENT GOALS

International Federation of Surveyors supports the Sustainable Development Goals

Commission 2

Professional Education

Serving Society for the Benefit of People and Planet

