



Engineering the Future We Want: **Mobilising for Sustainable Development**

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Professionalizing infrastructure procurement

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Credentialing Limited
Certification Body for Global Consulting Professionals

Role of built environment professionals in procurement

Stages	Project construction manager
1 Inception	Advise on procurement policies Scope required services
2 Concept and viability	Procure consultants
3 Design development	
4 Documentation and procurement	Develop procurement strategy and programme Develop specifications and procurement documentation Evaluate tenders Manage procurement process
5 Construction documentation and management	Administer contracts Resolve contractual claims Inspect the works for conformance with requirements
6 Close out	Inspect and verify rectification of defects Finalise account(s).



Identification of work

Phase	Project Management Institute's PMBOK®Guide's purpose for process	ISO 21502: Guidance on project management - concepts
Planning	Plan Procurement Management	Planning procurements
Evaluation and award	Conduct procurements	Evaluating and selecting supplier
Contract management	Control procurements	Administering contract
		Closing contracts

Infrastructure public procurement policy



Zondo Commission Recommendation 5 - creation of a procurement officer's profession

The thinking behind the Zondo Commission recommendation is twofold.

- 1) the professional body will establish the **qualifications, training and experience for membership** together with standards of integrity and a commitment to resist mismanagement, waste and corruption.
- 2) disciplinary action can be taken by simply removing membership.



March 2022

National Infrastructure Development Plan 2050 – Infrastructure Development Act

*Government must become a sophisticated “client” in its procurement of infrastructure, operating **at a global standard** . . . There must be continuous improvement in its **Infrastructure Procurement and Delivery Management (IPDM)**. The following conditions must be met to achieve the 2050 vision:*

- *Public sector competencies must operate at a high professional level. **Competence to procure and deliver** must be high in respect of **ability, knowledge and skill**.*
- *The procurement of infrastructure must be differentiated from that of other goods and services.*

Suitably experienced and registered **built-environment specialists** will be appointed to all technical and technical management posts, **including procurement**, where they perform **work identified by the Council for the Built Environment**

Credentialing - a means to professionalize the procurement space

Credentailing - ISO/IEC 17024: Conformity assessment — General requirements for bodies operating certification of persons provides:

- a means for achieving and promoting a **globally accepted benchmark**
- **assurance** that the certified person meets the requirements of the certification scheme
- **confidence** in the respective certification schemes through a globally accepted process of assessment and periodic re-assessments of the competence of certified persons.

Body of knowledge

CPD

The credential holder has proof that they have undergone a valid, fair, and reliable assessment to verify that they have the necessary competencies to perform a task / job.

Certification pre-requisites

Qualifications or competence required by a certification scheme for persons before one can participate in the Certification Exams

Criteria and Assessment Method for Initial certification

Assessment methods can include written, oral, practical and observational examinations

Criteria and Assessment Method for recertification

Confirm continued competence and ongoing compliance with current scheme requirements

Code of conduct

Statement of expected behaviours

Disciplinary processes can remove the credential

FIDIC Programmes framed around FIDIC practices

Consulting engineer
Consulting professional
Trainer

Adjudicator
Contract manager
Procurement specialist

FIDIC Credentailing Ltd

- Founded 2019
- Launched 2021

January 2025
Candidates from 96 countries with a further 36 countries in-progress applications

Examination syllabus

Project Identification and Initial Studies	Needs assessment	Initial feasibility studies	Framed around FIDIC and MDB body of knowledge
Feasibility Studies	Detailed feasibility analysis	Project viability evaluation	
Project Procurement Strategy Development	Procurement Strategy Market analysis Procurement approach and contract types selection Risk Management Project timeline and milestones Stakeholder management	Contract Packaging Scope definition Division of work Coordination plan	
Tendering Process Management	Prequalification of Tenderers Criteria development Pre-qualification process	Tender Documentation Preparation of tender documents Issuance of tender documents Clarifications and addenda	
Tender Submission, Opening and Evaluation	Receipt and opening of tenders Managing tender receipt Tender opening procedures	Tender Evaluation Technical evaluation Financial evaluation Risk and compliance assessment	
Recommendation and Award	Comparative analysis Contract award decision	Preparation of evaluation report Contract negotiation and finalisation	
Sustainable Development and Ethics	Sustainability (including environmental and social) Practices Ethical conduct.		

Public Procurement Act of 2024

Element of a public procurement system

Procurement policy

Institutional and governance arrangements

Demand management

Procurement planning and budgeting

Acquisition management

Contract management, including assessment of projects against outcomes

Risk management

Logistics management

Disposal management

Monitoring and assessment of procurement performance

Reporting

Project governance including **control frameworks**

Based on **asset management plans**

Project prioritization, project preparation, business cases / feasibility studies, and procurement strategies

Solicit tender offers, evaluate tenders, award contracts

Administering contracts and closing contracts

Mitigate risks inherent with infrastructure

Integral part of asset management

Systematic collection and analysis of data as a project unfolds

Reports to generate decisions, actions, or awareness of top management within the institution.

South African body of knowledge

SANS ISO 10845 standards for construction procurement

SANS ISO 22058: Guidance on procurement strategy

ISO 6082: Guidance on delivery management

UK Infrastructure and Projects Authority: Infrastructure Business Case: International Guidance

Forms of contract – FIDIC, JBCC, NEC and SAICE

Conclusions - Way forward



- Zondo commission called for the **professionalization** of public procurement
- Government policy calls for **competence** to procure and deliver infrastructure within the public sector
- Work identified by the Council for the Built Environment includes the **process which creates, manages and fulfils contracts linked to infrastructure delivery**
- **Work identification does not confirm competence to perform a job** as it relies on self assessment and codes of conduct to regulate professional activities
- FIDIC Credentialing Ltd has develop programmes to address this gap, based on FIDIC practices, namely
 - procurement specialist,
 - adjudicator and
 - contract manager.

Can readily adopt the **adjudicator and contract management certifications** where FIDIC contracts are used. The procurement specialist certifications needs to be adjusted to assess the **SA body of knowledge**

- **Conversation** needs to shift to **how best credentialing** can be implemented in South Africa
 - collaborate with FIDIC FCL and assess against South African standards ?
 - CESA and / or other similar organisation operates a credentialing system ?
 - A government entity / university operates a credentialing system ?