

South Africa

COTO

Committee of Transport
Officials

Road Pavement Forum Nov-15

Update on Materials Tester Qualification

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Materials Tester Qualification

South Africa

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Committee of Transport
Officials

- Development sponsored by SABITA
- Assessment partner is NLA-SA

Materials Tester Qualification (2)

- Officially it is
Occupational Certificate:
Civil Engineering Technician (Civil
Engineering Materials Tester)
NQF level 4 (L4)
- This is not a National Diploma that trains
Professional Engineering Technicians

Qualification Details

- Sub-framework:
Occupational Qualifications.
- Field: Physical Planning and
Construction.
- Sub-field: Physical Planning, Design
and Management.
- Credits: 360 (Cr360)

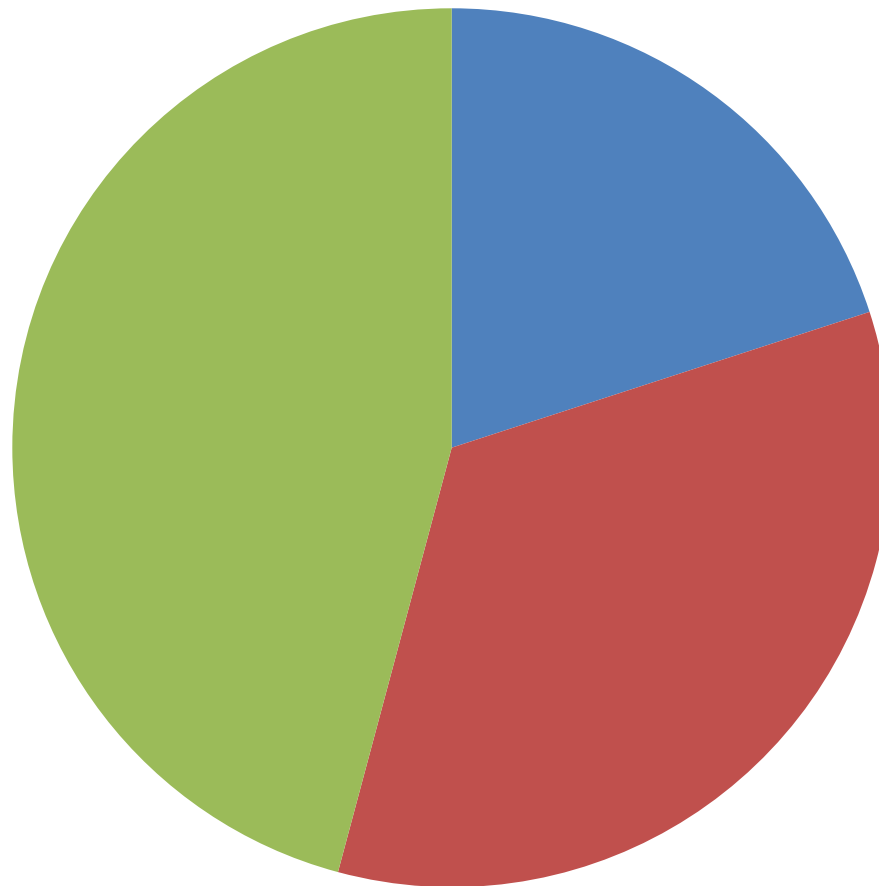
Qualification Details (2)

- Registered qualifications and or learning programmes to be replaced:
 - SAQA ID 49058, National Certificate: Construction Materials Testing, NQF 2;
 - SAQA ID 49017, National Certificate: Construction Materials Testing, NQF 3;
 - SAQA ID 48817, Further Education and Training Certificate: Construction Materials Testing, NQF 4.

Qualification Details (3)

- 72 Credits for Knowledge Modules
- 123 Credits for Practical Modules
- 165 Credits for Workplace Experience Modules
- 360 Credits in Total

Qualification Details (4)



- Knowledge Modules
- Practical Modules
- Work Place Experience

7 Part Qualifications

- Aggregates Tester
- Soils, Gravel And Crushed Stone Base Materials Tester
- Bituminous Binders Tester
- Asphalt Tester
- Concrete Tester
- Mining and Quarrying Aggregates Tester
- Concrete Tester (Concrete Manufacturing)

Evaluation

- Formative Assessment
 - Knowledge Modules
 - Practical Modules
 - Work Experience Modules

Evaluation (2)

- Formative Assessment
 - Knowledge Modules
 - Practical Modules
 - Work Experience Modules
- Summative Assessment

Evaluation (3)

- Registration of Assessors
 - Min 5 years as Tech Signatory, or
 - Tech Assessor with SANAS, or
 - ECSA Pr registration with 5 years lab experience

AQP progress

- Framework:
 - Who,
 - Where,
 - When
 - Cost for evaluation

AQP progress (2)

- Timeframes:
 - June 2015 – Submit to QCTO,
 - December 2015 – Start accrediting trainers,
 - June 2016 – Start RPL of candidates
 - December 2016 – Start full evaluations
 - December 2017 – Full implementation

Materials Qualifications

- NQF 4 – Materials Testers
- NQF 5 – Registered Civil Engineering Materials Technician
- NQF 6 – Professional Civil Engineering Materials Technician

THANK YOU

