Road Pavement Forum November 2016



Materials Tester to Materials Technicians: Career Path Development



Sean Strydom

Materials Tester Qualification

- Quality Committee for Trades & Occupations (QCTO)
- SABITA
 Development Quality Partner (DQP)
- NLA-SA
 Assessment Quality Partner (AQP)

Materials Tester Qualification

Occupational Certificate: Civil Engineering Technician (Civil Engineering Materials Tester)

NQF level 4

Materials Tester Qualification

Occupational Certificate: Civil Engineering Technician (Civil Engineering Materials Tester)



Qualification Details

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

Qualification Details



Qualification Details

- 72 Credits for 13 Knowledge Modules
- 95 Credits for 20 Practical Modules
- 175 Credits for 9 Workplace Experience Modules
- 342 Credits in Total

5 Part Qualifications

- Aggregates Tester
- Soils, Gravel And Crushed Stone Base Materials Tester
- Bituminous Binders Tester
- Asphalt Tester
- Concrete Tester

Evaluation

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

Evaluation

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

Evaluation

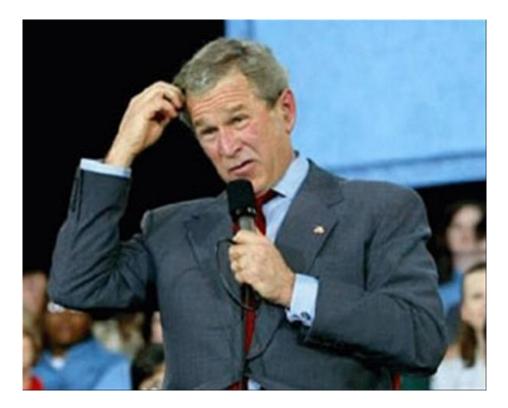
- Registration of Assessors
 - Qualified Civil Materials Tester
 - Min 5 years as Tech Signatory, or
 - Tech Assessor with SANAS, or
 - ECSA Pr registration with 5 years lab experience

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

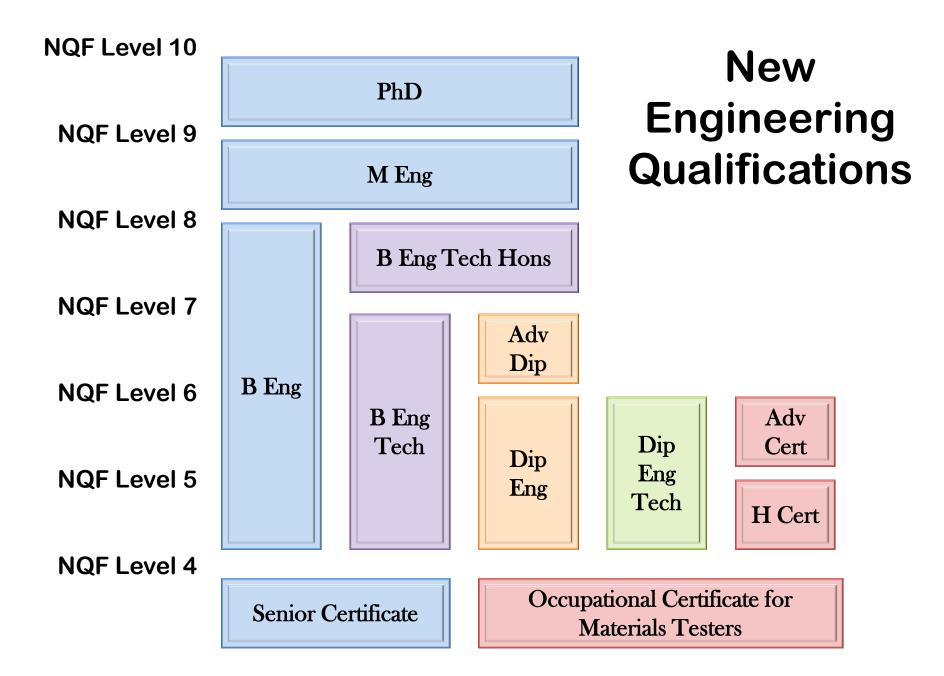
- Timeframes:
 - June 2015 Submit to QCTO,
 - December 2015 Start accrediting trainers,
 - June 2016 Start RPL of candidates
 - December 2016 Start full evaluations
 - December 2017 Full implementation

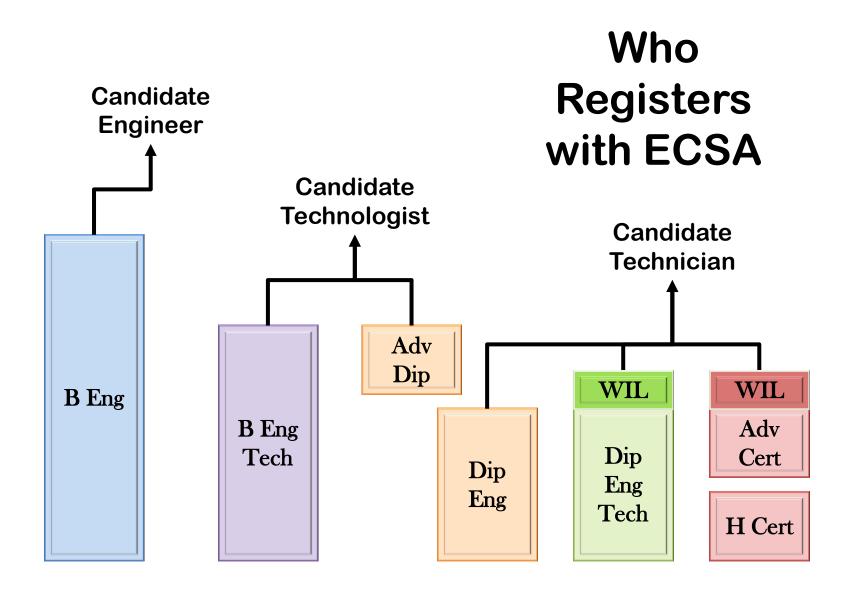
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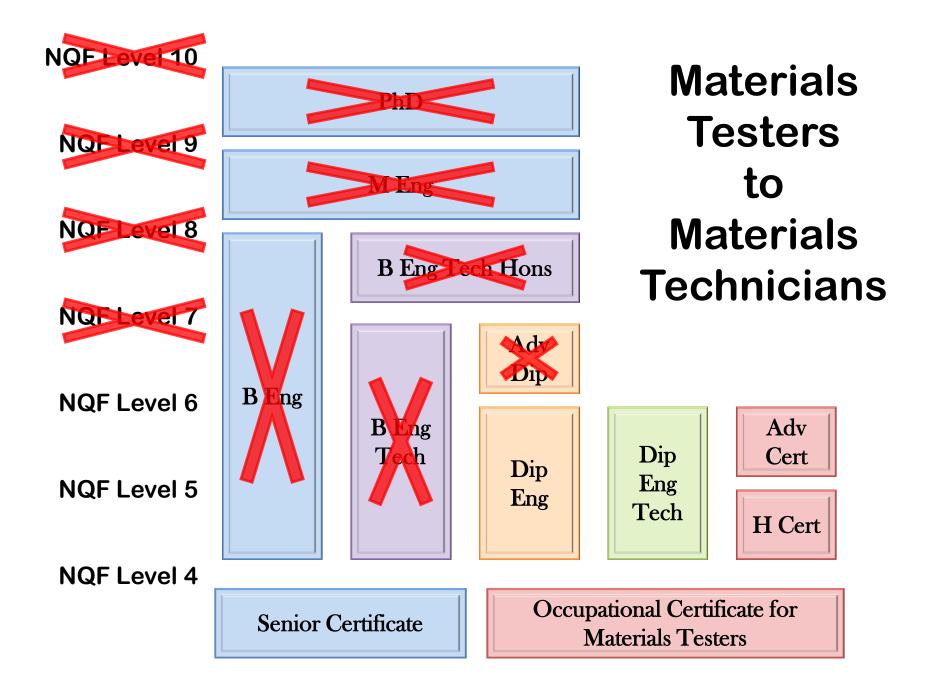
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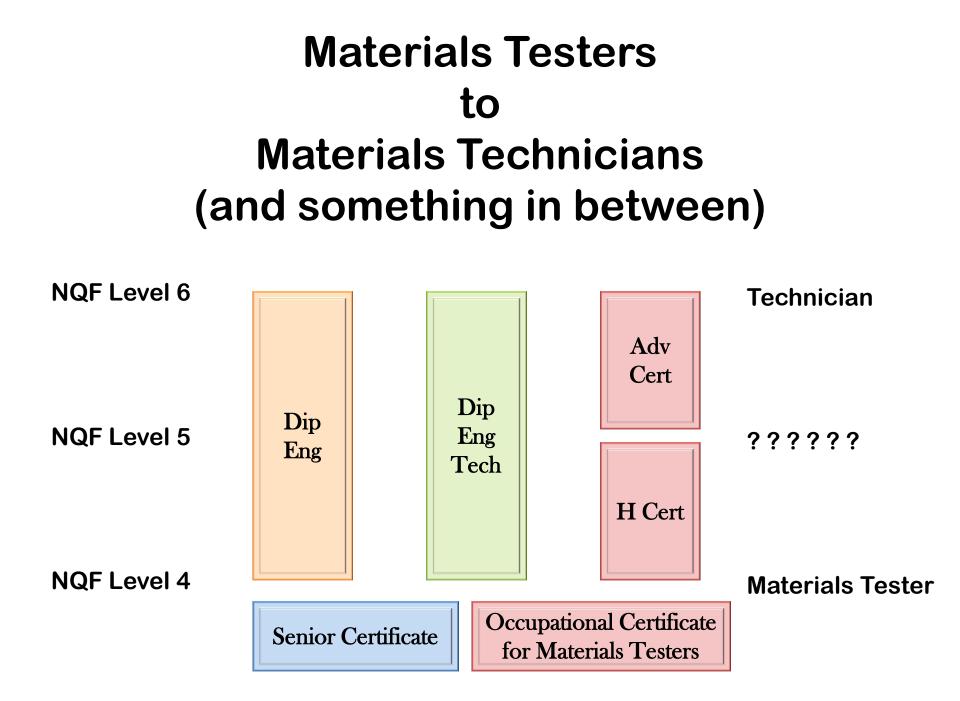


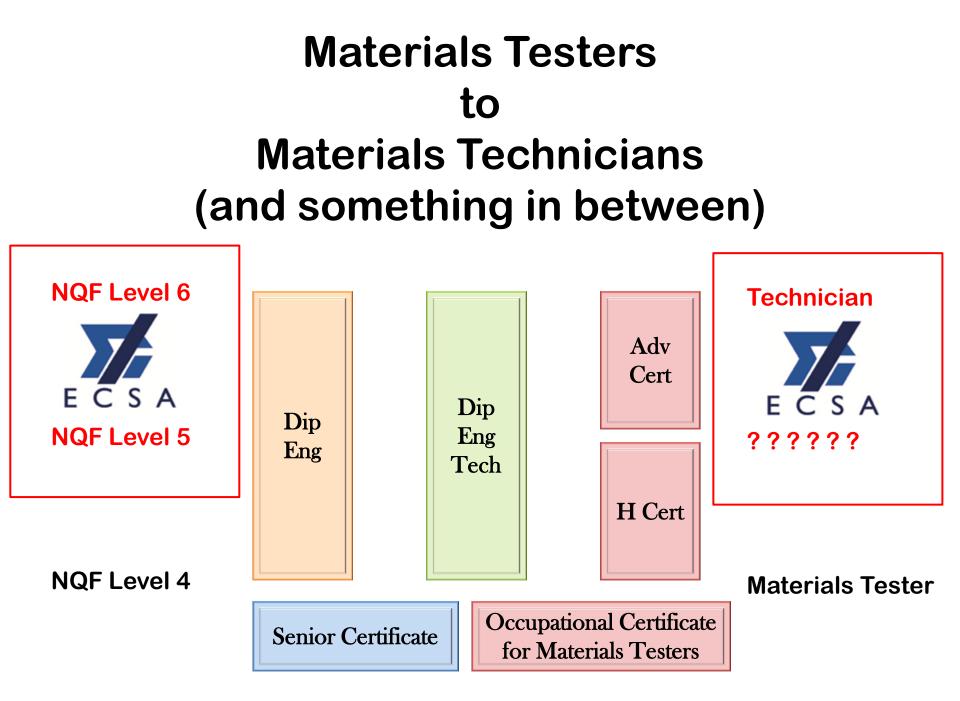
New Engineering Qualifications and the where are we going to get *Materials Technicians* in the future?











Recognition of Materials Testers, Technicians and *Something in Between*

> • NQF 4 – Qualified Materials Testers

• NQF 5 – Registered Civil Laboratory Manager

 NQF 6 – Professional Engineering Technician

Recognition of Materials Testers, Technicians and Something in Between



Certified Materials Testers



• Registered Civil Laboratory Manager



Professional Engineering Technician

