



REVISION of TMH1

Report Back to RPF

Nov 2009

PUBLISHED by SABS as 3001 Series

- **GR1** Wet grading **A1 & A5**
- **GR2** Dry grading **New**
- **GR10** Atterbergs (1 Point) **A2, A3 & A4**
- **GR11** 2 point LL **A2**
- **GR12** Multi LL **A2**
- **GR20** Moisture Content **New**
- **AG1** Aggregate grading **B4**
- **AG2** ALD measure **B18a**
- **AG3** ALD compute **B18b**
- **AG4** Flakiness index **B3**
- **PR1** Uncertainty **New**
- **PR5** GM, FM, CSR **New**
- **PR10** Handling sieves **New**

Methods with SABS – not yet published

- **GR30** MDD & OMC **A7**
- **GR40** CBR **A8**

STABILIZED MATERIALS

- **GR31** Lab mixed MDD
- **GR50** Lab mixed: sample, prep, comp & cure
- **GR51** Field mixed: sample, prep, compact & cure
- **GR52** Core: sample & prep
- **GR53** UCS **A14**
- **GR54** ITS **A16**

- **AG20** ARD/BRD Coarse **B14**
- **AG21** ARD/BRD Fine **B15**

- **PR2** Check / duplicate testing

- **CO1** **Concrete: Mix, sample, cast** **D1**
- **CO2** **Slump** **D2**
- **CO10** **Dimensions**
- **CO11** **Compressive strength** **D1**

- **AS1** **Comp Marshall specimens** **C2 annex**
- **AS2** **Marshall flow & stability** **C2**
- **AS10** **BRD and void content** **C3**
- **AS11** **Rice's and bitumen absorbed** **C4**
- **AS20** **Binder content (indirect)** **C7**

- **BT20** **Certification of binder distributors**
- **BT20** **Calibrate dipstick**
- **BT21** **Power and road speed**
- **BT22** **Pump system performance**
- **BT23** **Transverse distribution (Bucket Test)**

STILL to be submitted to SABS

Proficiency – Linking with PR1 Uncertainty

- PR3 Proficiency testing (round robin)
- PR4 Repeatability testing

NUCLEAR GAUGE

- NG1 Handling, maintenance and safety
- NG2 Validation of calibration blocks
- NG3 Calibration of nuclear gauge
- NG4 Validation of nuclear gauge
- NG5 Nuclear gauge density testing

AGGREGATES

AG10 ACV & 10% FACT

SPECIFICATIONS

Need to amend standard specifications to give precedence to SANS instead of TMH1 – superseded TMH1 Methods will have very little legal standing

For example: COLTO - Special Provisions

Section 8102 TESTING METHODS

Insert the following: “(a) South African National Standards, Series 3001 published by SABS”

Amend remaining subparagraph numbering (a) to (b), (b) to (c) and so on.

Nuclear Gauges

- **TWO MAJOR ISSUES**

1. Gauges calibrated on the same set of blocks can currently differ by up to 2,5 %

2. Gauges calibrated on sets of blocks in different parts of the country can differ by up to 4 %

The new draft methods recognise these issues but need industry support to carry this across to the suppliers. **Suggest RPF resolution:**

- a) The situation outlined in 1 and 2 above is unacceptable

- b) All parties should co-operate to provide speedy resolution

PUBLISHED SANS 3001 Methods

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