



REVISION of TMH1

Report Back to RPF

May 2011

PROGRESS to DATE

- **PUBLISHED:** 26 (9 Rev)
- **With SABS:** 18
- **In Progress:** 15
- **To be Addressed:** about 6

To view published standards on internet go to:
SABS WebStore and enter **“SANS 3001”**

AREA of CONCERN

NEW STANDARDS ARE NOT IN USE

- 1. NOT BEING SPECIFIED**
- 2. SANAS initially required new accreditation for each method – currently being reviewed**
- 3. Consequently laboratories unwilling to adopt new methods until forced to do so – for obvious financial reasons**

MY SUGGESTIONS

1. Please specify on all new contracts (next slide suggests details)
2. Until such time as clarity on the need for new accreditation for SANS 3001 methods is obtained – waive accreditation requirement provided that:-
 - a) lab has general accreditation , and
 - b) the equivalent TMH1 accreditation is in place for each method.

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Need to amend standard specifications to give precedence to SANS instead of TMH1 – superseded TMH1 Methods will have very little legal standing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

PUBLISHED to date as 3001 Series:

GRAVELS (GR)

- GR1 & 2 Gradings
- GR10, 11 & 12 Atterbergs (incl LS)
- GR20 Moisture Content
- GR30, 31 & 40 MDD incl stab & CBR
- GR50 to 54 Stabilised testing

AGGREGATES (AG)

- AG1, 2, 3 & 4 Grading, ALD & Flakiness

PUBLISHED to date as 3001 Series:

BITUMEN (BT)

- **BT20, 21, 22, 23 & 24** **BD calibration**

GENERAL (PR)

- **PR1** Uncertainty
- **PR5** Ratios and Moduli
- **PR10** Handling and maintenance of sieves

TOTAL 26

With SABS – not yet published

AGGREGATES (AG)

- **AG10** ACV & 10 % FACT
- **AG20 & 21** ARD/BRD Coarse & Fine

GENERAL (PR)

- **PR2** Check / duplicate testing

BITUMEN (BT)

- **BT1 & 2** Penetration & Cut-back Bitumen
- **BT10, 11 & 12** Ball pen, Sand patch & Marvil

With SABS – not yet published

ASPHALT (AS)

- **AS1, 2, 10, 11 & 20** Main set of tests

CONCRETE (CO) - SC 59A

- **CO1, 2, 10 & 11** Being reviewed by SC59A
- Will be replaced by a more extensive list

TOTAL 18

IN PROGRESS to be submitted to SABS

NUCLEAR GAUGE (NG)

- 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

GRAVELS (GR)

- GR3 Hydrometer analysis
- GR5 Air-dried fines
- GR35 Sand replacement
- GR55 Wet-dry durability
- GR56 Cem/Lime content (Titration)
- GR57 Initial consumption of cem materials

IN PROGRESS to be submitted to SABS

AGGREGATES (AG)

- AG13 Soundness of mudrocks (Venter)
- AG14 Ethylene glycol durability
- AG15 Magnesium sulphate soundness
- AG22 Apparent density (COLTO)
- Series of SANS tests for salts and impurities – to be revised and probably renumbered into SANS 3001

Methods yet to be addressed

Proficiency – Linking with PR1 Uncertainty

- PR3 & 4 Proficiency (round robin) & repeatability

ASPHALT (AS)

- AS21 Binder content by Ignition
- Water content of slurry

BITUMEN (BT)

- Review of SANS emulsion specs (by RPF Task Group) and possible renumbering to SANS 3001

THANKS for



LISTENING