

# RPF CEMENTITIOUS STABILIZATION COMMITTEE

**Feedback from Workshop and Committee**



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# Workshop

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- Held at CSIR on 8 July
- Presentations
- Facilitated session

# Workshop Presentations

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- Cement manufacture and supply constraints (B Perrie)
- Typical problems in the industry (P Paige-Green)
- Changes to test methods and testing (P Paige-Green)
- Contractors view (R de Necker)
- Consultants view (J Grobler)
- Clients view (D Rossmann)

# Identified issues

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- Laboratory testing:
  - Test methods
  - Quality Control
  - Stabilisation design/Material selection
- Construction
- Supply
- Specifications and guidelines

# Required actions

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- Laboratory testing:
  - Circulate SANS methods for comment
  - Develop guideline
  - Guidelines must include interpretation of UCS and ITS
  - Letter to Gautrans requesting use of their guideline
  - Consider relevant practise in Australian Stabilisation Manual

# Required actions

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- Construction:
  - Practical assessment techniques to be included in guideline
  - A work plan to be proposed to November RPF

# Required actions

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- Supply:
  - Circulate contact list for product availability and supply
  - To be updated regularly on website
  - Notes to be circulated

# Required actions

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- Specifications and guidelines:
  - Industry to develop preliminary guideline for the use of current cements for stabilisation
  - Circulate forms and protocols to commercial labs
  - Committee to develop strategy for data collection to road authorities
  - Stabilisation to be based on Gautrans manual



# Way Forward

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- No permission yet
- No funding
- Possibly have draft by RPF in May
- Include as many issues as possible

# CHEMICAL STABILIZATION (Non-traditional)

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- CSIR facilitated a workshop on non-traditional (proprietary) stabilizers at the 4<sup>th</sup> African T<sup>2</sup> Conference, Windhoek 1/09/2009
  - 10 – 14 attendees
  - Comprehensive presentation of State-of-the-Art
  - Facilitated workshop
  - Nominal Group Technique feedback
- 12 areas requiring input identified
- 3 high priority

# CHEMICAL STABILIZATION (Non-traditional)

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1. Compile existing information into a single comprehensive document (based on 108 slide presentation & other published information)
2. Continue investigations into performance of stabilizers with different materials – SADC wide
3. Only deal with professional/qualified marketers

# CHEMICAL STABILIZATION (Non-traditional)

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Suggested that a resolution be put to RPF that:

A comprehensive guideline and user manual for the full range of generic proprietary soil stabilizers available in SADC be developed

# RPF Sub Committee

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