



# COTO ROAD MATERIALS COMMITTEE (RMC)

# HISTORY OF RMC

1966

First HMC Meeting  
(Chairman: E B Cloete: 1966 – 1970)

1970

HMC becomes a CSRA subcommittee  
(Chairman: RAF Smith: 1970 – 1975)

1970 – 1994

Start to develop TRH and TMH documents  
(Chairman: G Marais: 1975 – 1992)

October 1994

Last HMC Meeting  
(Chairman: EG Kleyn: 1992 – 1994)

April 1996 – 2007

COLTO Road Materials Committee  
(Chairman: AJ Thomson: 1996 – ?)  
(Chairman: R Lindsay: ? – 2007)

2007 – 2012

Dormant!

2013 to date

COTO Road Materials Committee  
(Chairman: JC van der Walt)



# RMC AIMS AND FUNCTIONS

## AIM

“To promote and co-ordinate expertise in all aspects of road building materials.”

## FUNCTIONS

- Coordination between authorities
- To update existing and new Procedure Guidelines
- Promote Technology Transfer
- Determine Research Needs

# OPERATIONS OF THE RMC

a) **Committee Meetings: 3 – 4 per year (11 to date)**

b) **Normal discussion items at meetings**

- **Feedback from Materials Testing sub Committee (MTC)**
  - **Career paths for Materials Technicians, Laboratory Managers and Materials Testers**
  - **Test methods (SANS)**
  - **Laboratory issues**
  - **ECSA registration of Materials Technicians**
- **RMC matters**
  - **Materials Design**
  - **Materials Usage**
    - **Bitumen supply**
    - **Aggregate supply**
    - **Other**



# OPERATIONS OF THE RMC cont.

- **RMC matters cont.**
  - **Pavement Design – SARDM**
  - **Applicable Standards – TRH and TMH updates**
    - **Revision of Standards and Manuals**
  - **New Products and Techniques**
  - **Quality Management**
    - **Bitumen / Aggregate / Cement**
    - **Labs**
    - **Inexperienced lab staff**
    - **Performance of Consultants and Contractors**
  - **Environmental Impact**
    - **EIA Legislation**
    - **Borrow Pits**
  - **Dissemination of information**

# PROPOSED COTO SUITE OF DOCUMENTS



**VOLUME 1**

**GENERAL CONDITIONS OF CONTRACT  
(FIDIC; GCC, ETC)**

**VOLUME 2**

**STANDARD SPECIFICATIONS FOR:**

**2.1 ROADS AND BRIDGE WORK  
2.2 ROUTINE ROAD MAINTENANCE  
2.3 LABOUR INTENSIVE WORK**

**VOLUME 3**

**CONTRACT DOCUMENT**

**VOLUME 4**

**ROADWORK DRAWINGS**

**VOLUME 5**

**STRUCTURES DRAWINGS**

**VOLUME 6**

**MATERIAL UTILIZATION**

**VOLUME 7**

**ENVIRONMENTAL MANAGEMENT PLAN**

# FORMAT OF REVISED COLTO STANDARD SPECIFICATIONS (VOLUME 2)



- CHAPTER 1: GENERAL**
- CHAPTER 2: SERVICES**
- CHAPTER 3: DRAINAGE**
- CHAPTER 4: EARTH AND LAYER WORKS: MATERIALS**
- CHAPTER 5: EARTH AND LAYER WORKS: CONSTRUCTION**
- CHAPTER 6: CONCRETE LAYERS**
- CHAPTER 7: REPAIR & REHABILITATION OF CONCRETE LAYERS**
- CHAPTER 8: ASPHALT LAYERS**
- CHAPTER 9: SURFACINGS**
- CHAPTER 10: ANCILLARY ROAD WORKS**
- CHAPTER 11: GEOTECHNICAL APPLICATIONS**
- CHAPTER 12: STRUCTURES**
- CHAPTER 13: REPAIR & REHABILITATION OF STRUCTURES**
- CHAPTER 20: QUALITY ASSURANCE**



# **FORMAT OF REVISED COLTO STANDARD SPECIFICATIONS (VOLUME 2)**

## **EACH CHAPTER CONSISTS OF:**

### **□ PART A: SPECIFICATIONS**

#### **Table of Contents:**

- Scope
- Definitions
- General
- Design by Contractor/Performance based systems
- Materials
- Plant & Equipment
- Construction/Execution of works
- Quality of material & workmanship

### **PART B: MEASUREMENT AND PAYMENT**

### **PART C: GUARANTEES AND COMPLIANCE CERTIFICATES**





# PLANNED COMMENTS PROCEDURE

- ❑ **Committee draft: To RMC with 30 day comment period.**
  - **Updating of draft document through workshop with the RCB members.**
  
- ❑ **Committee draft final: To Industry with 60 day comment period.**
  - **Updating of draft through workshop with Industry and RCB members.**
  
- ❑ **Draft standard: To COTO for approval and utilisation for two years.**
  - **Review of comments received on standard after two years.**
  
- ❑ **Final standard document to COTO for approval.**

**“Place draft document on SANRAL website. Chapter can be downloaded in PDF format for comment to different working groups.”**



**Thank  
you!**