

**TECHNICAL EVALUATION AND DISSEMINATION**

**CHAPTER 10.2**

**ANNEX A: RTC EASTERN/SOUTHERN AFRICA  
STARTING / AWARENESS SEMINAR**

(D.H. Mwakangale)

**Project CFC/ICAC/33**

**Commercial Standardization of  
Instrument Testing of Cotton  
with particular consideration of Africa**



This project is co-funded by the European Union  
and the Common Fund for Commodities



# **BRIEF REPORT ON THE COMMERCIAL STANDARDIZATION OF INSTRUMENT TESTING OF COTTON (CSITC) STARTING / AWARENESS SEMINAR HELD ON 18 APRIL, 2008 AT KILIMANJARO HOTEL KEMPINSKI, DAR ES SALAAM, TANZANIA**

## **ACTIVITY NO: E 3.2.1 UNDER CFC/ICAC/33 PROJECT**

### **1.0 OPENING OF THE SEMINAR**

#### **1.1 Introduction**

The Commercial Standardization of Instrument Testing of Cotton (CSITC) Awareness Seminar for Regional Technical Centre (RTC) of East and Southern Africa under the CFC/ICAC/33 Project was held on the 18 April, 2008 at Kilimanjaro Hotel Kempinski, Dar- es- Salaam, Tanzania.

#### **1.2 Opening statement by the Permanent Secretary, Ministry of Industry, Trade and Marketing**

The seminar was officially opened by the Permanent Secretary Ministry of Industry, Trade and Marketing, Dr. Stergomena Tax. In her opening remarks she emphasized the importance of the project as having an overall objective to assist the cotton producing countries, especially the developing countries and the Least Developed Countries (LDCs) to meet the emerging quality assessment demands of the global cotton market so as to strengthen or at least maintain their competitive position in the world market.

She urged all the cotton stakeholders to collaborate with the RTC for East/Southern Africa for a successful implementation of this project.

#### **1.3 List of Participants**

The seminar was attended by delegates from Uganda, Burundi, Zambia, Zimbabwe, Mozambique, Kenya, South Africa and several stakeholders from Tanzania.

An apology was received from the European Union representative to Tanzania, of not able to attend the seminar due to unavoidable circumstance.

The list of the delegates present is here to attached in **Annex I**

## **1.4 CSITC Awareness Seminar Program**

The program for the CSITC seminar is hereto attached in **Annex II**

## **2.0 PAPER PRESENTATIONS BY THE RESOURCE PERSONNEL**

### **2.1 Cotton Quality**

A paper on cotton quality was presented by Mr. Dominic H. Mwakangale the RTC Expert of the CSITC Project for East/Southern Africa.

From his presentation, he focused on the following topics;

- i. Why is cotton an important product in Africa.
- ii. Overview of the cotton production in Africa
- iii. Exports of cotton from East, Central and South of Africa
- iv. Why African cotton is not competitive at International Trade.
- v. Major constraints that are faced by cotton producers in Africa.
- vi. What are the market requirements on cotton product.
- vii. The importance of HVI for fibre testing.
- viii. Assurance of the Laboratory test results.
- ix. The benefits of the CSITC Project.

A paper for cotton Quality is hereto attached as **Annex III**

### **2.2 CSITC Project**

The overview of the CSITC Project was presented by Mr. Axel Drieling from the Fibre Institute Bremen in Germany. The contents from his presentation highlighted on;

- i. The importance of obtaining reliable information about the actual quality of cotton
- ii. Manual and Visual classing on cotton
- iii. Instrument Testing Principles
- iv. Perspective in the evaluation of cotton
- v. ICAC CSITC Task Force
- vi. CFC/EU – ICAC project
- vii. Benefits for cotton producing developing countries.
- viii. Harmonization of High Volume Testing
- ix. Africa – specific objective and project activities
- x. CSITC Project choice of Regions in Africa
- xi. Schedule of the Project Activities
- xii. Trainings for the RTC Experts
- xiii. Installation of the RTC

A paper on the CSITC Project is hereto attached as **annex IV**

### **2.3 The roles of RTC East and Southern Africa**

The roles of RTC East and southern Africa were clearly presented by the Director of the Tanzania Bureau of Standards Mr. Charles M. Ekelege that the RTC East and Southern

Africa will be entrusted with the following tasks;

- i. Exemplary Laboratory for training expertise and dissemination of information to the regional laboratories
- ii. Reference laboratory for re – tests and round trials.
- iii. Possibly instrumental testing of cotton from the region before it is exported to the international markets

The RTC East/Southern Africa located at TBS will be performing its task covering mainly on the following countries:

1. Tanzania
2. Uganda
3. Zambia
4. Zimbabwe and
5. Mozambique

TBS will collaborate with TCB to ensure a successful implementation of the project taking into cognizance of TCB's wide experience in cotton classing and marketing to the International markets.

TBS is in the progress of constructing a Textile Laboratory for this Project.

A paper for the roles of RTC East/Southern Africa is hereto attached in **Annex V**

### **2.4 The Cotton Industry in Tanzania**

The progress and prospects of the cotton Industry in Tanzania was highlighted by Dr. Joe C.B. Kabissa the Director General, Tanzania Cotton Board and contained the following aspects;

- i. The volume of cotton production in Tanzania
- ii. Major market trends for cotton
- iii. An overview of cotton in Africa
- iv. Policy reforms in Tanzania
- v. A Note on the Textile Industry
- vi. Coping strategies after reforms
- vii. Future prospects.
- viii. Some recent developments on the commodity market.
- ix. A word of caution

A paper for cotton industry in Tanzania is hereto attached as **Annex VI**

## **2.5 Manual Classing Vs Instrumental Classing of Cotton**

This paper was presented by the RTC East/Southern Africa Expert Mr. Humphrey M. Shango and focused on the following concepts;

- i. Manual classing
- ii. Types of Standardization Systems
- iii. Instrument Testing
- iv. Properties of manual Classing
- v. In accuracies in stapling cotton
- vi. Pricing
- vii. Reasons for Cotton testing
- viii. Fibre Quality Measurements
- ix. Testing reliability.

A paper on Manual Classing Vs Instrumental Classing is hereto attached as **Annex VII**

## **2.6 Round Trials and Evaluation of Round Trials**

A paper presented by Mr. Axel Drieling from the Fibre Institute Bremen in Germany which focused on the following perspectives.

- i. What are Round Trials
- ii. Importance of Round Trials
- iii. Existing round Trials
- iv. Bremen Cotton round Trial
- v. The CSITC Round Trial:
  1. Information about Data variation
  2. Evaluation of Laboratory Performance
  3. Detailed Laboratory Analysis
- vi. Comparison between different types of instrument for cotton testing
- vii. Regional Round trials

A paper on Round Trials and Evaluation of Round Trials is hereto attached as **Annex VIII**

### **3.0 COUNTRY STATEMENTS**

All the participants present expressed their appreciation to the CFC and EU for their positive consideration on the cotton business from the Developing Countries and these statements came from various stakeholders as follows;

- ❑ Farmers consider this project as a tool towards improving their quality cotton yields and will rely very much from the RTC instructions.
- ❑ The ginners welcomed this project as an impetus towards improving the ginning processes and tasked the RTC to keep on up-dating them on the contemporary trends on cotton ginning process.
- ❑ The merchants felt overwhelmed from this project as this will reduce claims and will create fair trade both domestically and at International markets.
- ❑ Textile Industries believe that this project will to some extent revive the dwindling Textile Industries in the developing countries due to the stiff prevailing competition from imports.
- ❑ Regional laboratories indicated a sign of being relieved with the outcome of this project as they anticipate will help improve their laboratories and create competences in their daily operations with envisage of assisting the cotton business in Africa.

### **4.0 CLOSING OF THE SEMINAR**

#### **4.1 Closing statement by the Permanent Secretary Ministry of Agriculture and Food Security.**

The Commercial Standardization of Instrument Testing of Cotton Awareness Seminar was officially closed by the Permanent Secretary, Ministry of Agriculture and Food Security Mr. Peniel Lyimo. In his closing remarks he reiterated on the global cotton trade as increasingly moving in the direction of integrating instrument based data into the cotton business. This direction calls for the African countries to establish capacities for adequate instrument cotton testing systems based on high volume testing instruments and establishment of competent laboratories which will be in a position to generate reliable test results. He further encouraged African countries to have strong linkages with the RTC and the regional laboratories to achieve this objective.

**LIST OF PARTICIPANTS TO THE COMMERCIAL STANDARDIZATION OF  
INSTURMENT TESTING OF COTTON (CSITC) PROJECT AWARENESS SEMINAR  
APRIL 18, 2008 AT KEMPINSKI KILIMANJARO HOTEL IN DAR ES SALAAM TANZANIA**

---

- |                                                                                                                                          |                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| <p>1.     <b><u>BURUNDI</u></b><br/>Ntirandekura Arthemon<br/>Corgenco Burundi<br/>P.O.Box 2571 Bujumbura<br/>Tel: 257 22237433</p>      | <p>9.     Terry Mthethwe<br/>Olam (T) Ltd<br/>P.O. Box 71062<br/>Dar es Salaam</p>              |
| <p>2.     <b><u>GERMANY</u></b><br/>Mr. Axel Drieling<br/>Fibre Institute Bremen<br/>Germany</p>                                         | <p>10.    Tony Chibwana<br/>Wakefiled Inspection<br/>P.O. Box 71148<br/>Dar es Salaam</p>       |
| <p>3.     <b><u>KENYA</u></b><br/>John Githiga<br/>Dept of Textile Engineering<br/>MOI University<br/>Nairobi, Kenya</p>                 | <p>11.    H H Mahundi<br/>Sunflag (T) Arusha<br/>P.O. Box 3123<br/>Dar es Salaam.</p>           |
| <p>4.     <b><u>SOUTH AFRICA</u></b><br/>Gert Klindt<br/>Cotton South Africa<br/>P.O. Box 912232<br/>Silweton Pregor in south Africa</p> | <p>12.    Tiny Chibwana<br/>Wakefield Inspection<br/>P.O. Box 71148<br/>Dar es Salaam.</p>      |
| <p>5.     <b><u>TANZANIA</u></b><br/>Mariam Macheмба<br/>Friendship<br/>P.O. Box 2084<br/>Dar es Salaam.</p>                             | <p>13     Moses Busaga<br/>Wakefield Inspection<br/>P.O. Box 71148<br/>Dar es Salaam</p>        |
| <p>6.     Leandri Kinabo<br/>Tanzania Bureau of Standards<br/>P.O. Box 9524<br/>Dar es Salaam.</p>                                       | <p>14.    B M Bitaho<br/>Tanzania Burea of Standards<br/>P.O. Box 9524<br/>Dar es Salaam</p>    |
| <p>7.     B. Matemba<br/>Tanzania Bureau of Standards<br/>P.O. Box 9524<br/>Dar es Salaam.</p>                                           | <p>15     M. Mtunga<br/>Tanzania Cotton Board<br/>P.o. Box 9161<br/>Dar es Salaam.</p>          |
| <p>8.     Edwin Zacharia<br/>Olam (T) Ltd<br/>P.O. Box 71062<br/>Dar es Salaam</p>                                                       | <p>16.    E. Mwangulumba<br/>Tanzania Cotton Board<br/>P.O. Box 9161<br/>Dar es Salaam.</p>     |
|                                                                                                                                          | <p>17.    IEC Manambi<br/>Tanzania Bureau of Standards<br/>P.O. Box 9524<br/>Dar es Salaam.</p> |

18. Jabir S Abdi  
Tanzania Bureau of Standards  
P.O.Box 9524  
Dar es Salaam
19. Manyam Mbwana  
Tanzania Cotton Board  
P.O. Box 9161  
Dar es Salaam.
20. V Sebigabiro  
Tanzania Cotton Board  
P.O. Box 9161  
Dar es Salaam
21. Eng Thomas Mnunguli  
Tanzania Bureau of Standards  
P.O. Box 9524  
Dar es Salaam.
22. Joseph B. Masikitiko  
Tanzania Bureau of Standards  
P.O. Box 9524  
Dar es Salaam.
23. Dominic H. Mwakangale  
Tanzania Bureau of Standards  
P.O.. Box 9524  
Dar es Salaam.
24. Dr J C B Kabisa  
Tanzania Cotton Board  
P.O. Box 9161  
Dar es Salaam.
25. Humphrey M Shango  
Tanzania Cotton Board  
P.O. Box 9161  
Dar es Salaam.
26. C M Ekelege  
Tanzania Bureau of Standards  
P.O.Box 9524  
Dar es Salaam.
27. Taher Kureshi  
NIDA Textile  
P.O. Box 22255  
Dar es Salaam.
28. Mohamed Shariff  
Brachocol group  
P.O. Box 210  
Mwanza
29. Robert Kisenia  
Simon Group  
P.O. Box 10360  
Mwanza.
30. Exaudi A. Kwayu  
Intergrated Cotton Fields Ltd  
P.O. Box 605  
Mwanza.
31. **UGANDA**  
P.Ilukat  
Cotton Dev. Organizartion  
P.O. Box 7018  
Kampala Uganda
32. **ZAMBIA**  
D Lubwekese  
Swarp Spinning  
P.O. Box 71846  
Ndola Zambia
33. **ZIMBABWE**  
R Mombo  
Cottco  
Zimbabwe  
P.O. Box 2997  
Harare Zimbabwe
34. **MOZAMBIQUE**  
Gabriel Paposseco  
Mozambique Cotton Institute  
P.O. Box 806  
Maputo.  
Mozambique



**COMMERCIAL STANDARDIZATION OF INSTRUMENT  
TESTING OF COTTON (CSITC) PROJECT**

**AWARENESS SEMINAR, 18 APRIL, 2008 MOVENPICK  
HOTEL,DAR-ES-SALAAM, TANZANIA.**

**PROPOSED TOPICS FOR PRESENTATION AT THE SEMINAR.**

1. Commercial Standardization of Instrument Testing of Cotton(CSITC) Project by Mr. Axel Drieling Project Executing Agency (PEA)
2. The Roles of the Regional Technical Centre (RTC) by Mr. C M Ekelege Tanzania Bureau of Standards (TBS) Director.
3. Overview of the Cotton Industry in Tanzania by Dr. J.C.B Kabisa Tanzania Cotton Board (TCB) Director
4. Factors contributing to the cotton quality by. D H Mwakangale RTC/ TBS Expert.
5. Manual classing vs Instrumental classing of cotton by Mr. H.M Shango RTC/ TCB Expert
6. Manipulation of cotton claims by Mr. H.M Shango RTC/ TCB Expert
7. Round Trials and Evaluations of round trials Mr. Axel Drieling PEA

**PROGRAM FOR THE CSITC AWARENESS SEMINAR  
18 APRIL, 2008 MOVENPICK HOTEL, DAR-ES-SALAAM,  
TANZANIA.**

<b>S/N</b>	<b>TIME</b>	<b>ACTIVITY</b>	<b>RESPONSIBLE PERSON</b>
<b>1</b>	<b>08h00 - 09h00</b>	<b>Registration of Participants</b>	<b>All</b>
<b>2</b>	<b>09h00 - 09h15</b>	<b>Opening remarks</b>	<b>Permanent Secretary Ministry of Industry, Trade and Marketing</b>
<b>3</b>	<b>09h15 - 09h30</b>	<b>Statement from EU Commission</b>	<b>European Union Representative in Tanzania</b>
<b>4</b>	<b>09h30 - 10h00</b>	<b>CISTC Project</b>	<b>Axel Drieling</b>
<b>5</b>	<b>10h00 - 10h30</b>	<b>Tea/Coffee Break</b>	<b>All</b>
<b>6</b>	<b>10h30 - 11h00</b>	<b>CISTC Project</b>	<b>Axel Drieling</b>
<b>7</b>	<b>11h00 - 11h30</b>	<b>The Roles of RTC East</b>	<b>C.M Ekelege TBS Director</b>
<b>8</b>	<b>11h30 - 12h00</b>	<b>Overview of the cotton Industry in Tanzania</b>	<b>Dr. J.C.B Kabisa TCB Director General</b>

<b>9</b>	<b>12h00 - 12h30</b>	<b>Factors contributing to cotton quality</b>	<b>D H Mwakangale RTC/TBS Expert</b>
<b>10</b>	<b>12h30 - 13h00</b>	<b>Manual classing vs Instrumental classing</b>	<b>H M Shango RTC/TCB Expert</b>
<b>11</b>	<b>13h00 - 14h00</b>	<b>Lunch Break</b>	<b>All</b>
<b>12</b>	<b>14h00 - 14h30</b>	<b>Manipulation of cotton claims</b>	<b>H M Shango RTC/TCB Expert</b>
<b>13</b>	<b>14h30 -15h00</b>	<b>Round Trials and Evaluations of Round trials</b>	<b>Axel Drieling</b>
<b>14</b>	<b>15h00 - 15h30</b>	<b>Tea/Coffee Break</b>	<b>All</b>
<b>15</b>	<b>15h30 – 16h00</b>	<b>Discussions</b>	<b>All</b>
<b>16</b>	<b>16h00 – 16h15</b>	<b>Closing of the Seminar</b>	<b>Permanent Secretary Ministry of Agriculture and Food Security</b>
<b>17</b>	<b>16h30</b>	<b>End of the Seminar</b>	<b>All</b>