

**STATUS AND DEVELOPMENT OF INSTRUMENT  
TESTING IN THE REGIONS**

**CHAPTER 4.1**

**ANNEX A: OVERVIEW OF LABORATORY  
DEVELOPMENT IN THE REGIONS**

**Project CFC/ICAC/33**

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



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# Status and Development of Instrument Testing in Africa

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**Authors:** Axel Drieling (1) / Jean-Paul Gourlot (2)

**Organizations:** (1) Faserinstitut Bremen e.V. (FIBRE), Bremen, Germany  
(2) CIRAD, UPR SCA, F-34398, Montpellier, France

## a) East / Southern Africa

Region	East / Southern
Country	<b>Egypt</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	130
Responsible Organisation for classification / testing	CATGO
Other laboratories	Research (CRI); Processing (several)
Resp. Org.: Laboratory installed	Yes
Laboratory operational	Yes
Current percentage of bales tested in production	(information not evaluated)
Main current use of SITC results	(information not evaluated)
Planned use of SITC results	
Development during Project Time	Full routine operation given Participation in CSITC RTs
Direct project support given by / (offered by)	
Kind of direct support	
Perspective / Comments	Routine operation

Region	East / Southern
Country	<b>Zimbabwe</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	95
Responsible Organisation for classification / testing	Agr. Market Authority; prv. Production companies
Other laboratories	Production: Cottco: 3 SITC Production (OLAM): 1 SITC
Resp. Org.: Laboratory installed	Yes (Cottco), 3 SITC
Laboratory operational	Yes
Current percentage of bales tested in production	50%
Main current use of SITC results	Fully used; direct marketing; ginning; production overview
Planned use of SITC results	
Development during Project Time	Routine operation Participation in CSITC RTs
Direct project support given by / (offered by)	CFC/ICAC/33 full support
Kind of direct support	Support to instrument /conditioning
Perspective / Comments	Routine operation

Region	East / Southern
Country	<b>Tanzania</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	90
Responsible Organisation for classification / testing	TCB
Other laboratories	RTC East; Control (WIS)
Resp. Org.: Laboratory installed	Yes
Laboratory operational	(Yes)
Current percentage of bales tested in production	10%
Main current use of SITC results	Production overview, information for ginners, production improvement
Planned use of SITC results	
Development during Project Time	Laboratory climatization improvement; 2nd lab to be realized Participation in CSITC RTs
Direct project support given by / (offered by)	CFC/ICAC/33 full support
Kind of direct support	Support to instrument /conditioning
Perspective / Comments	10% instrument testing; improving; extending to 50% in 2014 and 100% long term

Region	East / Southern
Country	<b>Zambia</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	40
Responsible Organisation for classification / testing	Cotton Board of Zambia
Other laboratories	Production companies
Resp. Org.: Laboratory installed	No
Laboratory operational	
Current percentage of bales tested in production	(information not evaluated)
Main current use of SITC results	
Planned use of SITC results	
Development during Project Time	The Cotton Board erected. Participation in CSITC RTs
Direct project support given by / (offered by)	
Kind of direct support	
Perspective / Comments	Dunavant in process of having new equipment; HVI planned for Cotton Board

Region	East / Southern
Country	<b>Sudan</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	60 → 11
Responsible Organisation for classification / testing	SCCL
Other laboratories	Research (ARC)
Resp. Org.: Laboratory installed	Yes
Laboratory operational	SCCL yes ; ARC yes
Current percentage of bales tested in production	10%
Main current use of SITC results	Research, production overview, ginners, processing, production improvement, assorting lots
Planned use of SITC results	
Development during Project Time	Lab climatisation restoration (research laboratory testing for SCCL) Participation in CSITC RTs ; SCCL lab got operational again
Direct project support given by / (offered by)	CFC/ICAC/33 Support
Kind of direct support	Support to instrument /conditioning
Perspective / Comments	10% instrument testing; 5 to 10 years to 100%

Region	East / Southern
Country	<b>Ethiopia</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	30
Responsible Organisation for classification / testing	None
Other laboratories	Governmental (Quality/Standardization) (not operational) University: IOTEX (Institute of Technology for Textile, Garment and Fashion Design (operational)
Resp. Org.: Laboratory installed	No
Laboratory operational	
Current percentage of bales tested in production	0%
Main current use of SITC results	
Planned use of SITC results	
Development during Project Time	IOTEX installed a new SITC system in 2012
Direct project support given by / (offered by)	
Kind of direct support	
Perspective / Comments	Discussions, no fixed strategy

Region	East / Southern
Country	<b>Mozambique</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	22
Responsible Organisation for classification / testing	IAM
Other laboratories	
Resp. Org.: Laboratory installed	In progress
Laboratory operational	In progress
Current percentage of bales tested in production	0%
Main current use of SITC results	
Planned use of SITC results	
Development during Project Time	Implementation of 3 SITC laboratories
Direct project support given by / (offered by)	CFC/ICAC/33 CFC/ICAC/44
Kind of direct support	Support to instrument /conditioning
Perspective / Comments	Implementing 100% instrument testing

Region	East / Southern
Country	<b>Malawi</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	20
Responsible Organisation for classification / testing	None
Other laboratories	
Resp. Org.: Laboratory installed	No
Laboratory operational	
Current percentage of bales tested in production	0%
Main current use of SITC results	
Planned use of SITC results	
Development during Project Time	Multinational controlling board 2010
Direct project support given by / (offered by)	
Kind of direct support	
Perspective / Comments	

Region	East / Southern
Country	<b>Uganda</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	18
Responsible Organisation for classification / testing	CDO
Other laboratories	No
Resp. Org.: Laboratory installed	Yes
Laboratory operational	Yes
Current percentage of bales tested in production	5%
Main current use of SITC results	for ginners, for spinners
Planned use of SITC results	
Development during Project Time	New SITC, new laboratory room, laboratory climatization improved Participation in CSITC RTs
Direct project support given by / (offered by)	CFC/ICAC/33
Kind of direct support	Support to instrument /conditioning
Perspective / Comments	

Region	East / Southern
Country	<b>South Africa</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	9
Responsible Organisation for classification / testing	Cotton SA
Other laboratories	Control, processing
Resp. Org.: Laboratory installed	Yes
Laboratory operational	Yes
Current percentage of bales tested in production	100 %
Main current use of SITC results	Research, production improvement, marketing, processing
Planned use of SITC results	
Development during Project Time	Full routine operation given Participation in CSITC RTs
Direct project support given by / (offered by)	
Kind of direct support	
Perspective / Comments	constantly operating

Region	East / Southern
Country	<b>Kenya</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	7
Responsible Organisation for classification / testing	CODA
Other laboratories	No
Resp. Org.: Laboratory installed	In progress
Laboratory operational	
Current percentage of bales tested in production	(information not evaluated)
Main current use of SITC results	
Planned use of SITC results	
Development during Project Time	Laboratory installation, SITC installation
Direct project support given by / (offered by)	Offered by CFC/ICAC/33 CFC/ICAC/44
Kind of direct support	
Perspective / Comments	Preparing for full instrument testing (CFC/ICAC/33) Expected use of SITC results for direct marketing

Region	East / Southern
Country	<b>Madagascar, Burundi, Rwanda, Mauritius, Swaziland, Lesotho</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	Madagascar <7, Burundi 2, Rwanda 2, Swaziland <1, Lesotho <1, Mauritius 0
Responsible Organisation for classification / testing	Burundi: COGERCO; Swaziland: Swaziland Cotton Board
Other laboratories	Mauritius: governmental/processing; Lesotho: processing
Resp. Org.: Laboratory installed	
Laboratory operational	
Current percentage of bales tested in production	(information not evaluated)
Main current use of SITC results	
Planned use of SITC results	
Development during Project Time	
Direct project support given by / (offered by)	
Kind of direct support	
Perspective / Comments	

## b) West / Central Africa

Region	West / Central
Country	<b>Burkina Faso</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	160
Responsible Organisation for classification / testing	SOFITEX
Other laboratories	No
Resp. Org.: Laboratory installed	Yes
Laboratory operational	Yes
Current percentage of bales tested in production	8%
Main current use of SITC results	
Planned use of SITC results	internal testing, comparison to standards
Development during Project Time	New SITC, laboratory climatization improved, Participation in CSITC RTs ; Accreditation
Direct project support given by / (offered by)	Offered by CFC/ICAC/33
Kind of direct support	
Perspective / Comments	Testing of the cotton production; use for research and cotton marketing

Region	West / Central
Country	<b>Mali</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	95
Responsible Organisation for classification / testing	OCC
Other laboratories	Education, RTC (operational)
Resp. Org.: Laboratory installed	Yes
Laboratory operational	OCC currently improved
Current percentage of bales tested in production	5%
Main current use of SITC results	
Planned use of SITC results	
Development during Project Time	Minor improvements Participation in CSITC RTs
Direct project support given by / (offered by)	Offered by CFC/ICAC/33 (UNIDO in 2005)
Kind of direct support	
Perspective / Comments	Implementation of instrument testing; use of results for grading, production improvement



Region	West / Central
Country	<b>Benin</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	90
Responsible Organisation for classification / testing	AIC (SCQCC)
Other laboratories	No
Resp. Org.: Laboratory installed	Yes
Laboratory operational	Yes, but currently down
Current percentage of bales tested in production	5%
Main current use of SITC results	
Planned use of SITC results	
Development during Project Time	Organisational restructuring completed
Direct project support given by / (offered by)	Offered by CFC/ICAC/33
Kind of direct support	
Perspective / Comments	Implementing instrument testing ; trying to attract the attention of ginners

Region	West / Central
Country	<b>Côte d'Ivoire</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	61
Responsible Organisation for classification / testing	APROCOT-CI / CIDT
Other laboratories	Research
Resp. Org.: Laboratory installed	Rehabilitation of laboratory in process
Laboratory operational	No
Current percentage of bales tested in production	(information not evaluated)
Main current use of SITC results	
Planned use of SITC results	
Development during Project Time	SITC procured; laboratory improvement planned and pending
Direct project support given by / (offered by)	UNIDO current project (UNIDO in 2005)
Kind of direct support	
Perspective / Comments	

Region	West / Central
Country	<b>Nigeria</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	58
Responsible Organisation for classification / testing	None
Other laboratories	Research
Resp. Org.: Laboratory installed	No
Laboratory operational	No
Current percentage of bales tested in production	(information not evaluated)
Main current use of SITC results	
Planned use of SITC results	
Development during Project Time	Participation in RTC trainings
Direct project support given by / (offered by)	Offered by CFC/ICAC/33
Kind of direct support	
Perspective / Comments	Existing instrument not operational

Region	West / Central
Country	<b>Cameroon</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	52
Responsible Organisation for classification / testing	SODECOTON
Other laboratories	Processing
Resp. Org.: Laboratory installed	No
Laboratory operational	No
Current percentage of bales tested in production	(information not evaluated)
Main current use of SITC results	
Planned use of SITC results	
Development during Project Time	Participation in RTC trainings
Direct project support given by / (offered by)	Offered by CFC/ICAC/33
Kind of direct support	
Perspective / Comments	Concretely planning instrument testing: installation of 3 laboratories for 50% testing in 2-3 years

Region	West / Central
Country	<b>Chad</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	31
Responsible Organisation for classification / testing	CotonTchad
Other laboratories	No
Resp. Org.: Laboratory installed	Yes
Laboratory operational	No
Current percentage of bales tested in production	(information not evaluated)
Main current use of SITC results	
Planned use of SITC results	
Development during Project Time	Participation in RTC trainings
Direct project support given by / (offered by)	Offered by CFC/ICAC/33
Kind of direct support	
Perspective / Comments	Existing instruments not operational

Region	West / Central
Country	<b>Togo</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	15
Responsible Organisation for classification / testing	NSCT
Other laboratories	No
Resp. Org.: Laboratory installed	Yes
Laboratory operational	Operational after breakdown since August 2011
Current percentage of bales tested in production	(information not evaluated)
Main current use of SITC results	variety improvement, gin adjustment, react on claims
Planned use of SITC results	
Development during Project Time	Participation in RTC trainings
Direct project support given by / (offered by)	Offered by CFC/ICAC/33 (UNIDO in 2005)
Kind of direct support	
Perspective / Comments	Existing instrument not operational

Region	West / Central
Country	<b>Senegal</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	11
Responsible Organisation for classification / testing	SODEFITEX
Other laboratories	No
Resp. Org.: Laboratory installed	installed 2006, 10% testing; stopped, started again in 2011
Laboratory operational	
Current percentage of bales tested in production	(information not evaluated)
Main current use of SITC results	variety improvement,
Planned use of SITC results	
Development during Project Time	Laboratory climatization improved; SITC maintenance
Direct project support given by / (offered by)	CFC/ICAC/33 (UNIDO in 2005)
Kind of direct support	Support to instrument /conditioning
Perspective / Comments	for 2012 60% of cotton production to be tested

Region	West / Central
Country	<b>Ghana</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	9
Responsible Organisation for classification / testing	(GCCL)
Other laboratories	Research
Resp. Org.: Laboratory installed	No
Laboratory operational	No
Current percentage of bales tested in production	(information not evaluated)
Main current use of SITC results	
Planned use of SITC results	
Development during Project Time	Participation in RTC trainings
Direct project support given by / (offered by)	Offered by CFC/ICAC/33
Kind of direct support	
Perspective / Comments	Government interested: new strategy for whole sector including instrument testing planned.Targeting 100% testing (perhaps 2014)

Region	West / Central
Country	<b>Central African Republic; Guinea (Rep.); Congo (DR); Niger</b>
Annual Cotton Production, [1000t], (ICAC, Av. 07/08-09/10)	Central African Republic 4; Guinea (Rep.) 4; Congo (DR) 3; Niger 2
Responsible Organisation for classification / testing	Central African Republic: SOCADETEX(?); Guinea (Rep.) CFC(?)
Other laboratories	
Resp. Org.: Laboratory installed	
Laboratory operational	
Current percentage of bales tested in production	(information not evaluated)
Main current use of SITC results	
Planned use of SITC results	
Development during Project Time	
Direct project support given by / (offered by)	
Kind of direct support	
Perspective / Comments	

### **Disclaimer**

All information, collected during the Project, was recorded in the previous tables as indicative of the actual situation regarding instrument testing of cotton and of its conditions; as these conditions may evolve rapidly, the Project cannot be considered responsible for any misunderstanding or for any misinterpretation of this data or for any missing information.