

QCS Meter Center & Technician Update

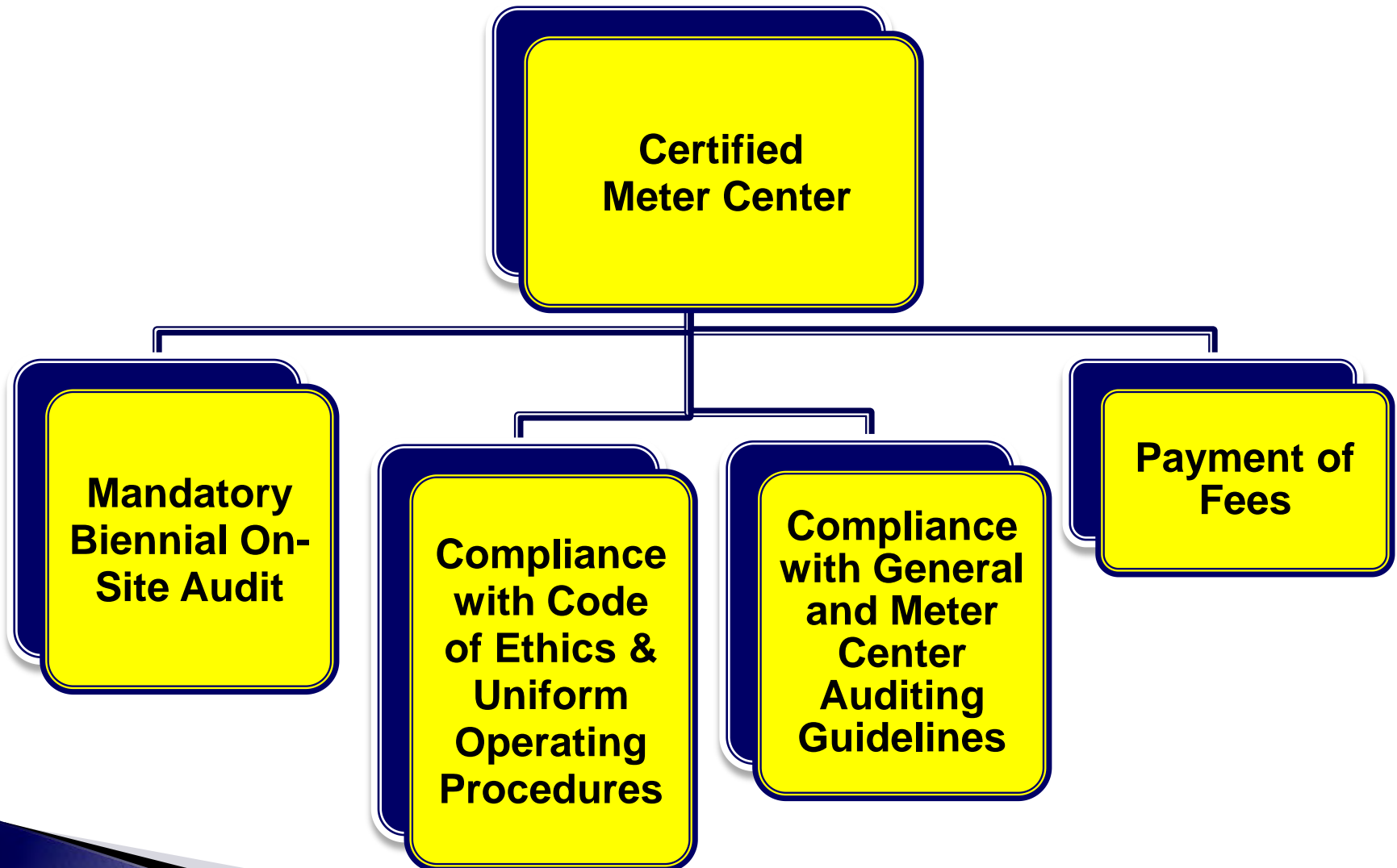


Steven J. Sievert
Manager, Quality Certification Services, Inc.
Technical Director, National DHIA



Field Service Advisory Committee
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Components of Meter Center Certification



General Auditing Guidelines

- Service providers are required to notify the auditor of:
 - *Changes in business name, address, phone, email, contacts*
 - *Changes in authorized personnel – i.e. meter technicians*
 - *Changes in equipment/instrumentation*
- Notification within 30 days of change
- Send changes to QCS Program Manager – Steven Sievert
- Assures accuracy in billing, website listings, and monitoring instrument performance
- Allows for cost-efficient scheduling of on-site discretionary audits

General Observations from Meter Centers

- Equipment is aging in many meter centers
 - *Vacuum pumps/gauges are failing (4 in 2010)*
 - *Receiver jars showing some age – air leaks, etc.*
 - *Scales are inaccurate (5 in 2010, 1 in 2011 so far)*
 - *Care and maintenance of wands and scales is poor*

- Meter centers carrying excess parts inventory – especially for meters no longer in service – *do you have parts that would be useful to another meter center?*

- Failure to replace ‘annual’ service kits – *spending money on unnecessary repairs instead*

Portable Meters Currently In Use

MONTHLY METERS

<u>MAKE</u>	<u>MODEL</u>		<u>COUNT</u>	<u>PERCENT</u>	<u>COUNT</u>	<u>PERCENT</u>
FOSS	MILKO-SCOPE		224	0.21		
	<i>SUBTOTAL</i>				224	0.21
TESA	MILK-O-METER		168	0.16		
	<i>SUBTOTAL</i>				168	0.16
TRU-TEST	AUTO SAMPLER	FV	25,114	23.39		
	ECONOVALVE	EC	2,934	2.73		
	ELECTRONIC	EMM	528	0.49		
	EZI-TEST	EZ	8,123	7.57		
	FARMER	F	6,845	6.38		
	PULLOUT	HI	51,136	47.63		
	<i>SUBTOTAL</i>				94,680	88.18
WAIKATO	MK V	MKV	12,013	11.19		
	SPEEDSAMPLER	SS	284	0.26		
	<i>SUBTOTAL</i>				12,297	11.45
	<i>TOTAL</i>		107,369	100.00	107,369	100.00

Tru-Test Farmer and Econo-Valve



- ▶ Only standard bore models
- ▶ Over 20 years old
- ▶ Limited parts availability
- ▶ Poor image of DHI in some dairyman's opinion
- ▶ Still approved

Tru-Test Pull-Out - Maintenance



- ▶ Replace VSO at least once per year
- ▶ Replace gasket on cap yearly
- ▶ Do not over-tighten the flask foot
 - Places stress on meter body
 - Air leaks in flask plug
- ▶ New laser-etched flasks – do not use flask tapes on flasks for WB meters

Tru-Test Ezi-Test - Maintenance



- ▶ **Annual Service Kit**
 - **Gaskets**
 - **Valve Assembly**
- ▶ **Broken baffle in valve**
 - **Will calibrate**
 - **Poor mixing and washing**
- ▶ **Plastic T-Piece**
 - **Easily broken**
 - **\$18.88 repair**
- ▶ **Store with valve in Milk Position**

Tru-Test Auto-Sampler - Maintenance

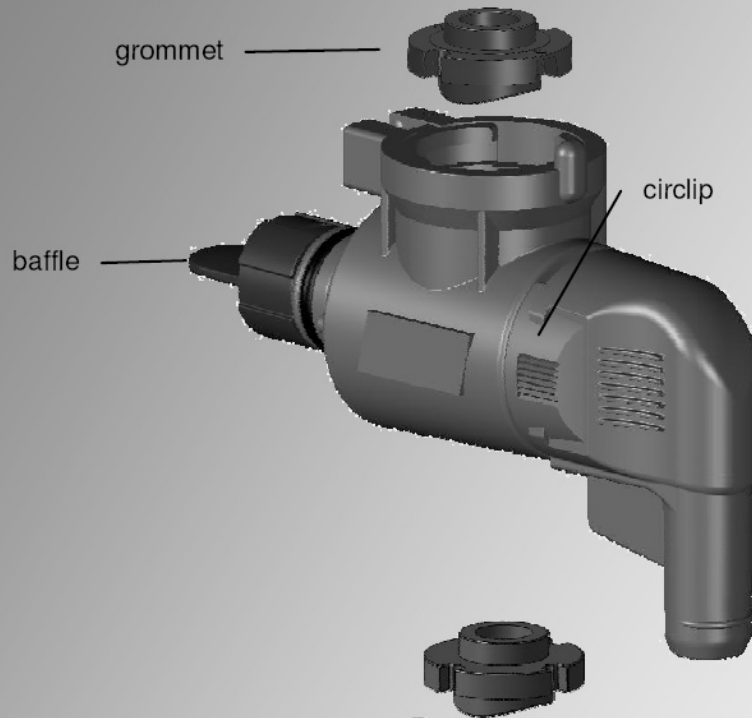


- ▶ Service kit replacement
 - Valve, cap
 - Sampler button
- ▶ Check sampler function and hoses (punctures)
- ▶ Higher cost of ownership
 - Multiple service kits
 - Cap, sampler, valve and body damage

Tru-Test Ezi-Test and Auto Sampler Valves

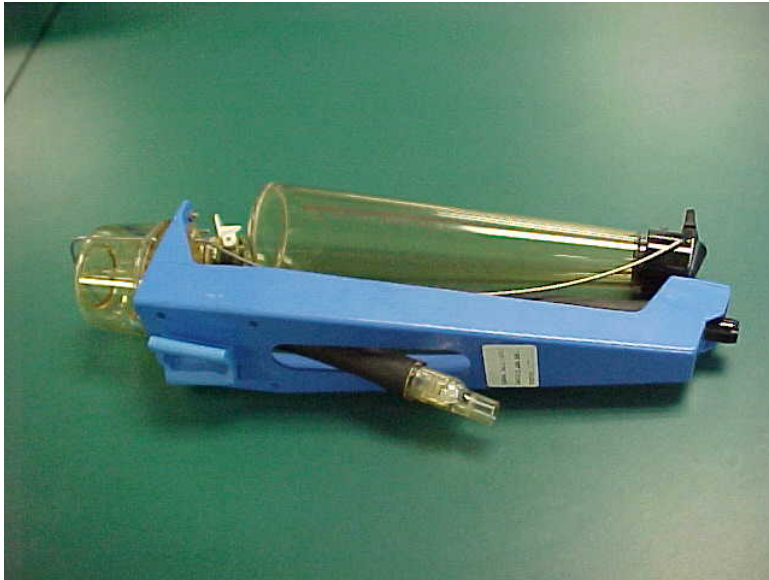
Tru-Test

Improved WB Ezi-Test / Mini-Test Sampling Valve



- ▶ New stronger valves in 2010
- ▶ Must replace whole valve
- ▶ Dark charcoal in color
- ▶ 2nd generation grommet – tan in color
- ▶ Should reduce broken wash baffle issue

Waikato MK V



- ▶ Same mode of operation as Ezi-Test
- ▶ Annual Service Kit
- ▶ Don't forget to replace inlet hoses
- ▶ Durable
- ▶ Do not cut the tap for quicker sampling – affects mixing and accuracy

Foss Milko-Scope



- ▶ Works on volumetric principle – same as Waikato and Tru-Test
- ▶ Limited parts availability
- ▶ Still approved and preferred by those technicians using them

Changes in Auditing Guidelines

- None proposed or viewed as critical
- Approved in 2011
 - Meter center is required to use a manufacturer's wand or approved closed jar-to-jar system
 - Implementation on January 1, 2012
 - Tru-Test offers stainless steel 'fast-flow' calibration wand
 - Waikato and QCS met in August 2010 on development of stainless steel 'standard-flow' calibration wand – completed and now available

New Standard Flow Calibration Wand



- **Waikato and QCS met in August 2010 on development of stainless steel 'standard-flow' calibration wand**
- **Works with Tru-Test pail and existing mounting brackets**
- **Includes restrictor, air admission orifice**
- **For all standard flow and dual-meter calibration procedures**
- **Required by January 1, 2012**
- **Available from Waikato Milking Systems USA**
 - **Part number 81380021**
 - **\$110.80 plus shipping**

TeSa Milk-o-Meter Update

- **Still 168 in active service at last meeting**
 - *All TeSa Milk-o-Meters have been removed from service on December 14, 2010*
- **No longer approved after December 31, 2010**
- **If an affiliate and/or field technician is found using non-approved meters, all herds using those portable meters will be marked as 'not meeting QC – code 3'**

Unapproved DHI Meters



Future Meter Technician Training Schools

2011

- Hosted by Mid-South Dairy Records
- Most likely May 25-27, 2011

2012

- Proposal from Holstein Mexico to host
- Held in Queretaro, Mexico
- Bilingual instruction
- Most likely in early December – coincide with National Holstein show

Quality Certification Services Inc.

- Performance & Quality Standards

- Compliance Auditing of Providers

- Education, Training, & Development

A simple, yet vital mission....

Providing a reliable source of information to people interested in the U.S. dairy records industry.