Understanding the National Dairy Herd Improvement Program

Uniform Operating Procedures
(Code of Ethics & Uniform Data Collection Procedures)
Uniform Operating Procedures was last reviewed in 2002 and is currently made up of:

- Code of Ethics
- Uniform Data Collection Procedures
- Records Disclosure Policy

The Records Disclosure Policy will be moved into a separate document and reviewed by the Release & Use of Records Task Force in 2014.

Revisions were made to Code of Ethics & Uniform Data Collection Procedures by the UOP Task Force.
Uniform Operating Procedures

Code of Ethics

Uniform Data Collection Procedures

Revised and Adopted by National DHIA Board of Directors on March 9, 2014
Effective June 1, 2014
The Task Force focused on:

- **Uniformity** in DHI data and programs
- **Relevance** to today’s DHI program
- **Inclusion** of new technology and data

- Organization and program needs
- Electronic identification
- Automatic milking systems and newer recording devices
- Health and diagnostic screening data
The **Code of Ethics** provides guidelines for appropriate conduct in the production, collection, and distribution of DHI information for all individuals and organizations involved with these data.
A. Impairing the reliability of DHI data.

B. Not cooperating or interfering in the use of the *Uniform Data Collection Procedures* to record DHI data.

C. Intentionally providing inaccurate data or withholding necessary data resulting in misrepresentation of DHI information.
D. Engaging in management practices with the intent of misrepresenting the performance of individual animals and/or the herd.

- Are the movement of animals between herds,
- Influencing the relative performance of herd mates, and/or
- Selective use of management techniques in an effort to bias DHI data.

E. Permitting the collection of supervised data by a technician with a direct financial or family interest in the herd being tested without notification to and consultation with the field service auditor.
The purpose of these procedures is to provide the framework for a uniform, accurate system that will enhance data reliability.

The data are used for:

- **Dairy Management Decisions**
- **Genetic Evaluations**
- **Education & Research**
- **Promotion & Sales**
DHI Service Providers, DHI personnel, and dairy herd owners and their employees are responsible for adherence to the UOP.

- Field Service Providers
- Laboratories
- Meter Centers
- Meter Technicians
- Dairy Records Processing Centers
Data Collection Procedures

Proper Collection of Milk Weights & Samples

- Supervised Test
- Unsupervised Test
- Partially Supervised Test
- Automatic Milking – Robotic Test
- Supervised Test with Electronic Meters
- Unsupervised Test with Electronic Meters
- Partially Supervised Test with Electronic Meters
Standard Equipment

- Portable Meters
- Scales
- Weigh Jars

DHI Field Service Equipment

- Electronic Meters

Dairy Producer Equipment

Must be:
- Approved Model
- Includes Meter, Sampler, and Software
- Calibrated Annually
- Marked with Calibration Tag
<table>
<thead>
<tr>
<th>Sampling Protocol</th>
<th>Supervised DHI</th>
<th>Supervised DHIR</th>
<th>Unsupervised</th>
<th>Supervised Commercial</th>
</tr>
</thead>
<tbody>
<tr>
<td>All milkings weighed &amp; sampled on test day</td>
<td>DHI</td>
<td>DHIR</td>
<td>DHI-OS</td>
<td>DHI-COMM</td>
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<tr>
<td></td>
<td>00</td>
<td>20</td>
<td>40</td>
<td>70</td>
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<tr>
<td>Less than all milkings weighed &amp; sampled on test day</td>
<td>DHI-AP</td>
<td>DHIR-AP</td>
<td>DHI-OS-AP</td>
<td>DHI-COMM-AP</td>
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<td>31</td>
<td>23</td>
<td>41</td>
<td>71</td>
</tr>
<tr>
<td>All milkings weighed &amp; less than all milkings sampled on test day</td>
<td>DHI-APCS</td>
<td>DHIR-APCS</td>
<td>DHI-OS-APCS</td>
<td>DHI-COMM-APCS</td>
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<tr>
<td></td>
<td>02</td>
<td>22</td>
<td>42</td>
<td>72</td>
</tr>
<tr>
<td>All milkings weighed, but no samples taken on test day</td>
<td>DHI-MO</td>
<td>DHI-OS-MO</td>
<td>DHI-COMM-MO</td>
<td></td>
</tr>
<tr>
<td></td>
<td>33</td>
<td></td>
<td>43</td>
<td>73</td>
</tr>
<tr>
<td>Less than all milkings weighed &amp; no samples taken on test day</td>
<td>DHI-MO-AP</td>
<td>DHI-OS-MO-AP</td>
<td>DHI-COMM-MO-AP</td>
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<tr>
<td></td>
<td>34</td>
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<tr>
<td>All milkings weighed, but no samples taken on test day — breed or bulk tank average used</td>
<td>-----</td>
<td>-----</td>
<td>DHI-OS-AC</td>
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<tr>
<td>Less than all milkings weighed, but no samples taken on test day — breed or bulk tank average used</td>
<td>-----</td>
<td>-----</td>
<td>DHI-OS-APAC</td>
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<td>46</td>
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</table>
Data Collection Standards

- Must test all cows in the herd.
- Cows must be visually identified with permanent identification number or registration number.
- Milk shipped (also known as bulk tank measurements) totals must be reported.
Data Collection Standards

Fresh Cows
• Cows fresh four or more days beginning the evening milking of the fourth day after calving or the morning of the fifth day for AM-PM herds

Dry Cows
• The dry date is the 1st calendar day the cow is not milked.

Cows Leaving the Herd
• Last calendar day cow was in the herd.

Cows entering herd
• Calendar day following the last day of credits in former herd.
Data Collection Standards

Sick Cows

• Actual production recorded and coded as abnormal (CAR Code)
• Cow’s record will be adjusted accordingly.
Data Collection Standards

**Code aborted cows**
- If carried calf less than 152 days record will continue.
- New lactation if calf was carried 152 days or longer.

**Cows calving without going dry**
- Record ends on day prior to calving.
- New lactation begins on calving date.

**Prepartum milk is not counted.**
Data Collection Standards

- All estimates for missing milk weights and sample component results are done by the DRPC.
- Transfers between field service providers must be completed within 15 days.
- Transfers between DRPC must be completed within 48 hours.
Adjustment of Milk Weights to a Verifiable Source

- **Milk Shipped and Not Shipped Known**
  - If the DHI Field Service Provider has verifiable source for both milk shipped and milk not shipped, the test day milk weights are adjusted at the herd level to sum of both milk shipped and milk not shipped.

- **Only Know Milk Shipped**
  - If the DHI Field Service Provider has verifiable source for milk shipped but cannot account for milk not shipped, the test day milk weights are adjusted at the herd level to 102.8% of the milk shipped weights.

- **In the absence of both milk shipped and milk not shipped**, the DHI Field Service Provider shall not adjust the test day milk weights. The normal application of both the 24-hour adjustment and AM/PM adjustment factors by the DRPC shall apply.

- **No Information**
Automatic Milking Systems

Data obtained from automatic milking system software may not be used in genetic evaluations unless the system meets National DHIA/Quality Certification Services standards.

- Test day milk weights will be obtained as 24-hour yield obtained from the automatic (robotic) milking system software. The average 24-hour milk yield reported should represent a minimum of three consecutive days and not to exceed ten consecutive days.

- Milk samples shall be obtained using National DHIA accepted sampling devices for one of the milkings during the test day. There will be no application of AM/PM factors on milk samples.
<table>
<thead>
<tr>
<th>Test Plan</th>
<th>Daily</th>
<th>10 day LER</th>
<th>5 day LER</th>
<th>Supervised All</th>
<th>Supervised 2 of 3</th>
<th>Supervised 1 of 2</th>
<th>Supervised 1 of 3</th>
<th>Unsupervised All</th>
<th>Unsupervised 2 of 3</th>
<th>Unsupervised 1 of 2</th>
<th>Unsupervised 1 of 3</th>
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<tbody>
<tr>
<td>Test Days per Year</td>
<td>305</td>
<td>100</td>
<td>50</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
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<td>Weight (%)</td>
<td>100</td>
<td>99</td>
<td>98</td>
<td>95</td>
<td>92</td>
<td>89</td>
<td>83</td>
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<tr>
<td>DCR</td>
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