

Type Conformation Working Group

ICAR General Assembly
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Working Group Members

- D Hewitt Chairman (UK)
 - Gerben de Jong (Netherlands)
 - L Bogнар (Hungary)
- ✓ Communication by email
 - ✓ Meeting at the WHFF classifiers conference September 2005 in Netherlands
 - ✓ Paper Produced February 2006

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Recommended Changes

1. Introduction of two standard linear traits
 1. Body Condition Score
 2. Locomotion
2. Modification of definition of Angularity
3. Publication of Information
4. Improved Monitoring of Classifiers

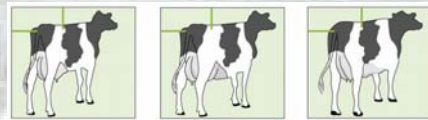
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Body Condition Score (1.1)

Ref. Point: *The covering of fat over the tail head & rump*

- 1 = Very thin
- 5 = Average
- 9 = Very fat



1
Poor

5

9
Grossly Fat

3



Locomotion (1.2)

Ref. Point: *The use of legs & feet, length & direction of the step*

- 1 = Very poor
- 5 = Average
- 9 = Excellent



1
Poor

5

9
Excellent

4



Angularity – Modification of Definition (2)

Ref. Point: *The angle & openness of the ribs*

- 1 = Lacks angularity, close ribs, coarse bones
- 5 = Intermediate angle with open rib
- 9 = Very angular, open ribbed, flat bone

*Reference scale: weighing of the two components:
angle and openness of the ribs*



1
Close & Coarse

5

9
Open

5



Publication of Information (3)

- ❏ Publish bull-proofs around an **average of 0** and a **genetic standard deviation of 1.0**.
- ❏ Proofs of widespread bulls should be **published as bar graphs** covering the **range between +3 and -3 SD's**.
- ❏ **OR:**
mean of 100 & a standard deviation which is expressing the genetic standard deviation
- ❏ **The base of sire and cow evaluation should follow the definition of the production proofs**, given by Interbull. This **includes a stepwise fixed base** that should be renewed every **five years**. The base is defined by **cows born 5 years previously**.

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Monitoring of Classifiers (4.1)

6.1 Report Objectives

- ❏ **6.1.1: Improve accuracy of data collection**
 - ✓ All classifiers apply the same trait definition
 - ✓ Apply the same mean
 - ✓ Apply the same spread of scores
- ❏ **6.1.2: Improve the genetic correlation for linear traits between countries in interbull evaluation**
 - ✓ Apply the same trait definition in all countries

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Monitoring of Classifiers (4.2)

- ❏ **Tools for 6.1.1**
 - ✓ **National group training sessions**
 - ✓ **Statistical monitoring of individual classifiers** performance with reference to mean, spread and normal distribution of scores
 - ✓ Compute the **correlation between the scores of one classifier and the group** by using bivariate analysis. Shows the quality of harmonisation of trait definition between classifiers
- ❏ **Tools for 6.1.2**
 - ✓ **International training of head classifiers**
 - ✓ **International group training sessions**
 - ✓ **Audit system**
 - ✓ In case a **country decides to change the definition** of a trait it is recommended **not to use previous scores** or use **only as a correlated trait** in the national genetic evaluation system

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Actions To Date

- ❏ Report posted on ICAR web site March 2006
- ❏ No comments received
- ❏ Today's presentation

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Thank You For Your Attention

