

## APPENDIX II - Format File301 - Parameters EBV and File701- Parameters GEBV

| Col | Name     | Start | Format | Description                             | Example  |
|-----|----------|-------|--------|-----------------------------------------|----------|
| 1   | rec_type | 1     | a3     | Record type <sup>1</sup>                | 301      |
| 2   | brd_eval | 5     | a3     | Breed of evaluation <sup>2</sup>        | HOL      |
| 3   | pop      | 9     | a3     | Population code <sup>3</sup>            | USA      |
| 4   | trt      | 13    | a3     | Trait of evaluation <sup>4</sup>        | scs      |
| 5   | evdate   | 17    | i8     | National evaluation date <sup>5</sup>   | 20121201 |
| 6   | herit    | 26    | f8.6   | Heritability <sup>6</sup>               | 0.12     |
| 7   | refbase  | 35    | a7     | Reference base definition <sup>7</sup>  | H10CB05  |
| 8   | pgmdef   | 43    | a2     | Genetic merit definition <sup>8</sup>   | T-       |
| 9   | pub_rule | 46    | a1     | Official publication rules <sup>9</sup> | Y        |

<sup>1</sup>Valid record types:

301 for EBV  
701 for GEBV

<sup>2</sup>Breed codes accepted:

BSW=Brown Swiss type; GUE=Guernsey type; HOL=Holstein-Friesian (Black & White) type; JER=Jersey type; RDC=Red Dairy Cattle type ; SIM=Simmental type.

<sup>3</sup>Valid population codes: ARG AUS BEL CAN CHE <sup>a</sup>CHR CZE <sup>b</sup>DEA DEU <sup>c</sup>DFS <sup>d</sup>DNR ESP EST FIN FRA <sup>e</sup>FRM <sup>f</sup>FRR GBR HUN IRL ISR ITA JPN LTU LVA NLD NZL POL PRT SVN SVK SWE USA URY ZAF

where: <sup>a</sup>Swiss Red Holstein; <sup>b</sup> Austria+Germany; <sup>c</sup>Denmark + Finland + Sweden; <sup>d</sup>Denmark Red Holstein <sup>e</sup> France Montbeliarde; <sup>f</sup>French Pie Rouge

<sup>4</sup>Accepted traits abbreviations:

**Production** ==> mil = milk;fat =fat; pro = protein

**Conformation** ==> sta = stature;cwi = chest width;bde = body depth;ang = angularity;ran = rump angle;rwi = rump width;rls = rear-leg set;rlr = rear-leg rear view;fan = foot angle;hde = heel depth/hoof height; fua = fore udder attachment; ruh = rear udder height; ruw = rear udder width; usu = udder support;ude = udder depth;ftp = front teat placement;fl = (front) teat length;rtp = rear teat placement;ous = overall udder score; ofl = overall feet&legs score; ocs = overall conformation score; bcs = body condition score; loc = locomotion

**Udder** ==> scs = somatic cell; mas = mastitis

**Longevity** ==> dlo = direct longevity

**Calving** ==> dce = direct calving ease;mce = maternal calving ease;dsb= direct

stillbirth;msb = maternal stillbirth

**Female fertility** ==> hco = heifer conception; crc = cow recycling; cc1 = lactating cow's ability to conceive (1); cc2 = lactating cow's ability to conceive (2); int = interval traits)

**Workability** ==> msp = milking speed; tem = temperament.

<sup>5</sup> National evaluation dates expressed using the format YYYYMMDD

<sup>6</sup> Heritability for a specific trait in format f8.6. Should be larger than 0 and smaller than 0,999999

<sup>7</sup> Reference (genetic) base definition in the country sending information: breed initial (1 char), year established (YY), bull(b) or cow(C) (1 char); birth(B), calving (C) or evaluation (E) (1 char); year of event (use middle year if base on multiple year (YY); for breed initial see breed code in footnote2 (use X If based on multiple breeds): e.g. H00BB95 means a base defined 2000 base on Holstein bulls born in 1995.

<sup>8</sup> Genetic merit definition consists of a letter and a sign:

Sign: '+' = Higher values are desirable, '-' = Lower values are desirable

**B** = Breeding value

**T** = Transmitting ability;

<sup>9</sup> Allowed characters :

**Y**=Yes

**N**=No