



# New Electronic Registration Application Record Layout

(for Beef and Dairy Cattle, Bison, Sheep, Swine, Goats and Lamas)

Last Updated April 20, 2006

Now approved by the Canadian Dairy Breeds and by the Canadian Centre for Swine Improvement

## Canadian Livestock Records Corporation

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### General Instructions

1. Each field is to commence with the Field Number in the first six positions, followed by the data and a carriage return.
2. A field does not have to be submitted if there is no data for that field, however, please note the field requirements.
3. Each file is to commence with one Header Record consisting of the fields specified below.
4. A Data Record is to be submitted for **EACH** animal to be registered.
5. Each Data Record is to commence with the sequence number in Field 01D000 and end with the number of fields submitted for the animal in Field 01DEND.
6. Each file is to be terminated with one End Record.

### Header Record Definition

#### Customer Identification

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01H009	Breed	2	A	JE (see code list). In the case of sheep, swine, goats and lamas where more than one breed can be sent at the same time, use any valid breed code for that species.		
01H001	Prefix/Client ID	25	A/N	6054345		

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01H002	Submission Date	8	N	19920927		
01H003	No. of registrations	3	N	002		
01H004	Starting sequence no.	3	N	999		
01H005	Credit Card Type	3	A	VIS=VISA, MAS=Master Card, AMX=American Express	Required for credit card purchases	2001-Jun-26
01H006	Credit Card Number	19	A/N	1234-5678-9012-3456	Required for credit card purchases	
01H007	Credit Card Expiry Date	4	N	9501	Required for credit card purchases	
01H023	Credit Card Expiry Month	2	N	01,02,.....12	Alternative for 01H007	2003-Mar-26
01H024	Credit Card Expiry Year	4	N	2004	Alternative for 01H007	2003-Mar-26
01H008	Credit Card Name	50	A/N	John Hanover	Required for credit card purchases	
01H010	Credit Card Maximum Charge	8	N	99999.99	Optional for credit card purchases	1-Jun-94
01H011	Shipping Method	1	A	A=Air Express; B= Parcel Post; C=Courier; E= Registered and Special Delivery Mail; F=First Class Mail; G=Special Letter; H=Personal Pickup; I=Priority Post; Q=Security Registration Mail; R=Registered Mail; S=Special Delivery Mail	Not required for First Class Mail. Customer will be billed for shipping if the cost exceeds first class mail.	1-Jun-94
01H012	Rush Service Requested?	1	A	Y or N	An additional charge may apply to receive Rush Service except for exported animals.	1-Jun-94
01H013	Date Certificates Required by	8	N	19940630	Optional	1-Jun-94
01H014	Ship to (Prefix/Client ID)	25	A/N	6058754	only required if shipping address is different from customer address	1-Jun-94

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01H015	Ship to (Name)	50	A/N	John Smith	only required if shipping address is different from customer address. (used to double check field 01H014)	1-Jun-94
01H016	Ship to (CHIN no. - Telephone No.)	12	A/N	514-999-9999	when available	1-Jun-94
01H017	Ship to (Milk Recording Program herd No.)	5	N	99999	when available	1-Jun-94
01HEND	Header record end					

## Data Record Definition

### Animal Identification

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D000	Sequence number	3	N	999 (Beginning with the Starting Sequence number specified in the Header Record, add one for each subsequent Data Record)		
01D001	Breed	2	A	JE		
01D014	Animal Name	40	A/N	Prelude Bonnie	Not applicable for Swine litter registration.	21-Aug-2001
01D007	Tattoo	10	A/N	ABCD12345A (first 4 characters must be the tattoo letters left justified; the last six characters must be the number and year letter left justified with no space between the number and year letter. eg. ABC 1X or AB 033B)	Required for all tattooed animals Not applicable for Swine litter registration.	
01D085	Tattoo Location	2	A	RR=all in Right Ear, LL=all in Left Ear, RL= Split Tattoo with tattoo letters in right ear, LR=Split Tattoo with tattoo	Required for all tattooed animals, Not applicable for Swine litter Registration	30-Jan-2002

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
				letters in left ear, BB=Complete tattoo in both ears, RT=Right Side Tail Tattoo, LT=Left Side Tail Tattoo, CT=Centre Tail Tattoo		
01D082	Tattoo - Right	10	A/N	Actual tattoo in the right ear	Optional for CLRC breeds	12-Dec-2001
01D083	Tattoo - Left	10	A/N	Actual tattoo in the left ear	Optional for CLRC breeds	12-Dec-2001
01D170	Ear Tag (EZE-IR or CCIA National Tag)	15	N	12345678	Optional for Cattle or Bison	25-Nov-2004
01D004	Ear Tag (within herd)	10	A/N	B7826	When available. Not applicable for Swine litter registration.	
01D005	Ear Tag (Secondary)	10	A/N	CD4286	When available. Not applicable for Swine litter registration.	
01D168	Ear Notches - Right Ear	10	N	5	Swine only when available	19-Dec-95
01D169	Ear Notches - Left Ear	10	N	1	Swine only when available	19-Dec-95
01D003	Microchip ID	16	A/N	7F7D28D58; also used for additional tattoo markings when the first character is a "#"	if electronically identified. Not applicable for Swine litter registration.	
01D006	HARP no. (within MRP)	10	A/N	B381426	When available Not applicable for Swine litter registration	

### Animal Information

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D008	Birth Date	8	N	19920120		
01D009	Sex	1	A	F or M	Not applicable for Swine litter registration.	

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D002	Registration Type	2	A	PB=Purebred, PC=Percentage Registration, RD=Recorded (Non-registered), FS=Foundation Stock		
01D010	Birth type	1	A/N	1=Single birth, 2=twin birth, etc.	not required for swine	
01D011	Sex of twin	1	A	Y or N; Y=male twin, N=Female twin	not required for sheep, swine, goats	
01D101	Number of males in the birth	2	N	99	Required for Swine, Sheep, Goats only	
01D102	Number of females in the birth	2	N	99	Required for Swine, Sheep, Goats, only	
01D012	Embryo Transfer	1	A	Y or N		
01D133	Premature/Late Birth	1	A	P = Premature. L = Late Blank = Normal		21-Aug-2001
01D013	Colour	3	A/N	see code list	Required for Brown Swiss with Off Colour Spots: Canadienne with white markings on udder, belly or breast; Dexter; Galloway; Highland; Shorthorn; South Devon, Shetland Sheep	27-Jan-96
01D100	Markings	80	A/N		Belted Galloway (including leg markings), Red Polled, Dexter Cattle and Goats only	30-Jan-2002
01D235	Body Colour	20	A	Black	Horses that don't use fixed codes	2006-Apr-19
01D236	Body Colour (at maturity)	20	A	Black	Optional for Welsh Ponies	2006-Apr-19
01D237	Marking Pattern	20	A	Bersugget	Shetland Sheep only	2006-Apr-19
01D238	Marking Pattern (secondary)	20	A	Bersugget	Optional for Shetland Sheep	2006-Apr-19

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D239	Coloured Animal?	1	A	Y or N	Required for Cotswold, Lincoln and Romney Sheep	2006-Apr-20
01D103	Death Date	8	N	19940402	if dead Not applicable for Swine litter registration.	
01D104	Castration Date	8	N	19931129	if castrated Not applicable for Swine litter registration.	
01D105	Polled/Horned	2	A	see code list	Required for most cattle breeds, Goats, Dorset and Icelandic Sheep	
01D106	Beef Animal	1	A	Y or N	Shorthorn and Brown Swiss only	
01D107	Lincoln Red	1	A	Y or N	Shorthorn only	
01D139	Dairy Animal	1	A	Y or N	Shorthorn only	1-Jun-94
01D084	Ear Type	1	A	E=Erect, P=Pendulous, L=Elf, G=Gopher, O=Other	Goats Only	30-Jan-2002
01D108	Animal has correct breed conformation/colour and markings/ear type?	1	A	Y or N	Goats and Lamas only	29-Mar-95
01D234	Customer Supplied Comment	80	A			30-Jan-2002
01D086	DNA/Blood Test Request	2	A	D=DNA only, DP=DNA Parentage, B=Blood Type only, BP=Blood Type Parentage, N=None	Pinzgauer Only	30-Jan-2002

## Litter Registration (Swine only)

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D109	Litter Registration Number	10	N	9999999999	<b>FIELD DISCONTINUED</b>	14-Jan-98
01D159	Register Litter?	1	A	Y or N (Y to register the litter; N to register an individual pig) Effective, Jan. 1, 1998, when a litter is registered, all the pigs are registered automatically. Individual pigs may be registered and/or transferred. It is no longer possible to register an individual pig without registering the litter.		6-Apr-95
01D160	Register all animals in litter?	1	A	No longer used. Use 01D714 and 01D715 instead.	<b>FIELD DISCONTINUED</b>	14-Jan-98
01D161	Tattoo Letters for all animals in litter	4	A/N	ABCD	Litter registration only	6-Apr-95
01D162	Tattoo Year Letter for all animals in litter	1	A	Y	Litter registration only	6-Apr-95
01D163	Tattoo Numbers for first ten animals in litter	74	A/N	1,2,3,4,5,6 (each tattoo number is to be followed by a comma) <b>DO NOT INCLUDE DEAD ANIMALS</b>	Litter registration only	6-Apr-95
01D164	Tattoo Numbers for eleventh to twentieth animal in litter	74	A/N	234,235,236 (each tattoo number is to be followed by a comma) <b>DO NOT INCLUDE DEAD ANIMALS</b>	Litter registration only	6-Apr-95
01D165	Sex of all animals in the litter	20	A	MMMFFFMFFMFF (sequence of sexes must be the same as the tattoo numbers reported in fields 01D153 and 01D164) <b>DO NOT INCLUDE DEAD ANIMALS</b>	Swine litter registration only	6-Apr-95
01D714	Print Litter Certificate?	1	A	Y or N		14-Jan-98

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D715	Print Individual Pig Certificates?	1	A	YYYYNYNN (Y or N must be indicated for each pig in the litter in the same sequence as the tattoos are listed in 01D163 and 01D164)		14-Jan-98
01D166	Standard Name for Males	30	A/N	MR. PIG	Swine litter registration when all the animals in the litter are to be registered.	6-Apr-95
01D167	Standard Name for Females	30	A/N	MISS PIG	Swine litter registration when all the animals in the litter are to be registered.	6-Apr-95

### Dam Identification

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D015	Dam breed	2	A	JE		
01D016	Dam country	3	A	CAN (see code list)	Registered Dams only	
01D017	Dam sex	1	A	F		
01D018	Dam reg. no. prefix	4	A/N	DR	Registration Numbers with alphabetic prefixes	
01D019	Dam registration number	12	N	5000002	Registered Dams only	27-Jan-96
01D020	Dam reg. no. suffix	3	A/N	X	Registration Numbers with alphabetic suffixes	
01D021	Dam Birth Date	8	N	19880917	when available	
01D110	Dam Name	40	A/N			21-Aug-2001
01D022	Dam HARP no.	10	A/N	BC81426	when available	
01D023	Dam ear tag	10	A/N	N4236	when available	
01D024	Dam tattoo	10	A/N	ABCD01234A (see field 01D007)	if tattooed	
01D171	Dam EZE-IR or CCIA National ear tag	15	N	12345678	Optional for Cattle or Bison	25-Nov-2004

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D025	Dam Microchip	16	A/N	7F7D28D57	if electronically identified	

### Sire Identification and corresponding Breeding Information

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D026	Service Number	1	N	1		
01D027	Service Type	1	A	H=Owner inseminated (AI); N=Natural Breeding; P=Pasture/Paddock; T=AI Technician; I=Invitro		
01D028	Sire breed	2	A	JE		
01D029	Sire country	3	A	USA (see code list)	Registered Sires only	
01D030	Sire sex	1	A	M		
01D111	Sire reg. no. prefix	4	A/N	DR	Registration Numbers with alphabetic prefixes	
01D031	Sire reg. no.	12	N	1903838	Registered Sires only	27-Jan-96
01D112	Sire reg. no. suffix	3	A/N	X	Registration Numbers with alphabetic suffixes	
01D032	Sire code - AI	11	A/N	007HO1690	AI breedings for dairy cattle only. Also when available for Swine.	21-Aug-2001
01D033	Semen Freeze Date	8	N	19910623	AI breedings only	
01D034	Semen Freeze Code	9	A/N	14637	AI breedings for dairy cattle only	22-Oct-95
01D035	Sire Birth Date - non AI	8	N	19860820	Natural and Pasture breedings only when available	
01D113	Sire Name	40	A/N			21-Aug-2001
01D036	Breeding/Service Date/Starting Pasture Service Date	8	N	19910511		

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D114	Ending Pasture Date	8	N	19911231	Pasture breedings only	
01D037	AI Insemination Code	8	A/N	ONAI0070	AI breedings for dairy cattle only	22-Oct-95
01D038	Semen Supplier Code	8	A/N	ONAI0038	AI breedings for dairy cattle only	22-Oct-95
01D039	On-farm Code	8	A/N	ONOF0039	AI breedings for dairy cattle only	22-Oct-95
01D115	Sire tattoo	10	A/N	ABCD01234A (see field 01D007)	if tattooed	
01D172	Sire EZE-IR or CCIA National Ear Tag	15	N	12345678	Optional for cattle or bison	25-Nov-2004
01D116	Sire Microchip	16	A/N	7F7D28D57	if electronically identified	
01D142	A.I. Breeding Slip Number	9	A/N	22	Technician breedings only	4-Nov-94
01D143	Technician (Inseminator) Number	5	A/N	0106	Technician breedings only	4-Nov-94

**Breeding/Service Set 1 (If dam bred more than once, the most recent breeding information other than reported under Sire Identification)**

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D040	Service Number	1	N	2		
01D041	Service Type	1	A	H=Owner inseminated (AI); N=Natural Breeding; P=Pasture/Paddock; T=AI Technician; I=Invitro		
01D042	Sire breed	2	A	JE		
01D043	Sire country	3	A	USA (see code list)	Registered Sires only	
01D044	Sire sex	1	A	M		
01D117	Sire reg. no. prefix	4	A/N	DR	Registration Numbers with alphabetic prefixes	
01D045	Sire reg. no.	12	N	1903838	Registered Sires only	27-Jan-96
01D118	Sire reg. no. suffix	3	A/N	X	Registration Numbers with	

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
					alphabetic suffixes	
01D046	Sire code - AI	11	A/N	007HO1690	AI breedings for dairy cattle only. Also when available for Swine.	21-Aug-2001
01D047	Semen Freeze Date	8	N	19910623	AI breedings only	
01D048	Semen Freeze Code	9	A/N	14637	AI breedings for dairy cattle only	22-Oct-95
01D049	Sire Birth Date - non AI	8	N	19860820	Natural and Pasture breedings only	
01D119	Sire Name	40	A/N			21-Aug-2001
01D050	Breeding/Service Date/Starting Pasture Service Date	8	N	19910511		
01D120	Ending Pasture Date	8	N	19911231	Pasture breedings only	
01D051	AI Insemination Code	8	A/N	ONAI0070	AI breedings for dairy cattle only	22-Oct-95
01D052	Semen Supplier Code	8	A/N	ONAI0038	AI breedings for dairy cattle only	22-Oct-95
01D053	On-farm Code	8	A/N	ONOF0039	AI breedings for dairy cattle only	22-Oct-95
01D121	Sire tattoo	10	A/N	ABCD01234A (see field 01D007)	if tattooed	
01D173	Sire EZE-IR or CCIA National ear tag	15	N	12345678	Optional for cattle or bison	25-Nov-2004
01D122	Sire Microchip	16	A/N	7F7D28D57	if electronically identified	
01D144	A.I. Breeding Slip Number	9	A/N	22	Technician breedings only	4-Nov-94
01D145	Technician (Inseminator) Number	5	A/N	0106	Technician breedings only	4-Nov-94

**Breeding/Service Set 2 (if dam bred more than twice, this is the second most recent breeding information other than reported under Sire Identification)**

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
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Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D054	Service Number	1	N	3		
01D055	Service Type	1	A	H=Owner inseminated (AI); N=Natural Breeding; P=Pasture/Paddock; T=AI Technician; I=Invitro		
01D056	Sire breed	2	A	JE		
01D057	Sire country	3	A	USA (see code list)	Registered Sires only	
01D058	Sire sex	1	A	M		
01D123	Sire reg. no. prefix	4	A/N	DR	Registration Numbers with alphabetic prefixes	
01D059	Sire reg. no.	12	N	1903838	Registered Sires only	27-Jan-96
01D124	Sire reg. no. suffix	3	A/N	X	Registration Numbers with alphabetic suffixes	
01D060	Sire code - AI	11	A/N	007HO1690	AI breedings for dairy cattle only. Also when available for Swine.	21-Aug-2001
01D061	Semen Freeze Date	8	N	19910623	AI breedings only	
01D062	Semen Freeze Code	9	A/N	14637	AI breedings for dairy cattle only	22-Oct-95
01D063	Sire Birth Date - non AI	8	N	19860820	Natural and Pasture breedings only	
01D125	Sire Name	40	A/N			21-Aug-2001
01D064	Breeding/Service Date/Starting Pasture Service Date	8	N	19910511		
01D126	Ending Pasture Date	8	N	19911231	Pasture breedings only	
01D065	AI Insemination Code	8	A/N	ONAI0070	AI breedings for dairy cattle only	22-Oct-95
01D066	Semen Supplier Code	8	A/N	ONAI0038	AI breedings for dairy cattle only	22-Oct-95
01D067	On-farm Code	8	A/N	ONOF0039	AI breedings for dairy cattle	22-Oct-95

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
					only	
01D127	Sire tattoo	10	A/N	ABCD01234A (see field 01D007)	if tattooed	
01D174	Sire EZE-IR or CCIA National ear tag	15	N	12345678	Optional for cattle or bison	25-Nov-2004
01D128	Sire Microchip	16	A/N	7F7D28D57	if electronically identified	
01D146	A.I. Breeding Slip Number	9	A/N	22	Technician breedings only	4-Nov-94
01D147	Technician (Inseminator) Number	5	A/N	0106	Technician breedings only	4-Nov-94

### Animal Embryo Transfer Calf

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D129	Embryo registration number	10	N	1234567890	if embryo registered (none of the other fields listed below are then required)	
01D068	Recovery date of embryo	8	N	19910812		
01D069	Embryo Manipulation Type	1	A	R=Regular S=Split C=Clone N=Nuclear Transfer D=Divided B=Bisected		
01D070	Individual embryo Identification	30	A/N	CANF540132719910323123	Holstein only	
01D071	Recipient dam Identification	30	A/N	CANF5036270	Holstein only	
01D072	Embryo transplant date (into recipient)	8	N	19910827		
01D700	Embryos Recovered (Total for flush)	2	N	8		29-Sep-1997
01D701	Embryos Transferred (Total for flush)	2	N	4		29-Sep-1997
01D702	Embryos Frozen (Total for flush)	2	N	3		29-Sep-1997
01D703	Embryos Cleaved or degenerated (Total for flush)	2	N	0		29-Sep-1997
01D704	Embryos Unfertilized (Total for flush)	2	N	1		29-Sep-1997

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D705	Embryos implanted into recipient	2	N	1		29-Sep-1997
01D706	Recipient Breed	2	A	JE		29-Sep-1997
01D707	Recipient Country	3	A	CAN	if registered	29-Sep-1997
01D708	Recipient Sex	1	A	F		29-Sep-1997
01D709	Recipient Registration No. Prefix	4	A/N	DR	if registered	29-Sep-1997
01D710	Recipient Registration No.	12	N	10000000	if registered	29-Sep-1997
01D711	Recipient Registration No. Suffix	3	A/N	A	if registered	29-Sep-1997
01D712	Recipient Name	30	A/N	BOSSIE		29-Sep-1997
01D713	Recipient Identification (Tattoo, Ear Tag etc.)	74	A/N	ABC 1D	if not registered	29-Sep-1997

### Owner Identification

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D074	Breed	2	A	JE		
01D075	Herd Letters	4	A/N	ABC	when available	
01D076	Prefix/Client ID	25	A/N	6064875		
01D077	CHIN no.(Telephone No.)	12	A/N	416-253-4724	when available	
01D078	Milk Recording Program herd no.	5	N	54321	when available	

### Breeder Identification (if different from owner)

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D130	Breeder Prefix/Client ID	25	A/N	6064875		
01D131	CHIN no.(Telephone No.)	12	A/N	905-263-4726	when available	
01D132	Milk Recording Program herd no.	5	N	52241	when available	

### Purchaser Identification (if animal sold)

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/ Changed
01D200	Purchaser Prefix/Client ID	25	A/N	6054345	when known	1-Jun-94
01D201	CHIN no.(Telephone No.)	12	A/N	905-999-9999	when available	
01D202	Milk Recording Program herd no.	5	N	58281	when available	
01D203	Purchaser Name	50	A/N	John Smith		
01D204	Address Line 1	40	A/N	20 Nowhere St.	when available	
01D205	Address Line 2	40	A/N	R.R.1	when available	
01D206	City/Town	40	A/N	Ghosttown		
01D207	Province/State	2	A	ON		
01D208	Postal/Zip Code	10	A/N	N9Z 9Z9	when available	
01D209	Country Code	3	A/N	CAN (see code list)		
01D210	County/Regional Municipality(Ont.)/Rural Municipality (Sask)/Municipal District (Man. & Alta)/Local Government District (Man) /Improvement District (Alta)/Special Area (Alta) Name	40	A/N	DURHAM	when available	
01D211	Telephone Number	12	A/N	123-456-7890	when available	
01D212	Fax Number	12	A/N	234-567-8901	when available	
01D213	Purchase Date	8	N	19930722		
01D214	Delivery Date	8	N	19930801		

**Swine ROP data (cannot be submitted with a litter registration)**

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/ Changed
01D300	Backfat Measurement	4	N	99.9	when available	
01D301	Number of Days	3	N	999	when available	
01D302	Feed Conversion	5	N	99.99	when available	19-Dec-95
01D303	Average Daily Gain	5	N	99.99	when available	19-Dec-95
01D304	Index	3	N	999	when available	
01D305	HAL-1843 DNA test	1	N	0=Untested, 2=Nonmutant,		

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
				3=monomutant, 4=dimutant		

### Miscellaneous ROP Data (Beef Cattle only)

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D148	Register Animal?	1	A	Y or N	Beef cattle only. If left blank, the animal is to be registered. This allows ROP data to be submitted without registering the animal.	5-Apr-95
01D149	Animal Country Code	3	A	USA (see code list)	to submit ROP information for registered animals only.	5-Apr-95
01D150	Animal Registration no. prefix	4	A/N	DR	to submit ROP information for registered animals only.	5-Apr-95
01D151	Animal Registration no.	12	N	1954261	to submit ROP information for registered animals only.	27-Jan-96
01D152	Animal Registration no. suffix	3	A/N	X	to submit ROP information for registered animals only.	5-Apr-95
01D153	Disposal Code	6	A/N	9.9.99 or EMB (see code list)	when available (Beef Cattle only)	5-Apr-95
01D154	Disposal Date	8	N	19921331	when available (Beef Cattle only)	5-Apr-95
01D155	Remarks	74	A/N		optional	5-Apr-95
01D156	Genetic Makeup	16	A/N	16HP08DS04SS04SM	(Beef Cattle only) Purity of animal in 32nds followed by the breed code. Up to four breeds may be reported. The total purity of the	5-Apr-95

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
					breeds must equal 32.	
01D157	Source Code	1	N	1=Bred and Raised 2=Purchased	Beef Cattle only	5-Apr-95
01D158	Weakness Code	1	N	1=Thin 2=Fat 3=Legs 4=Udder 5=Feet 6=Other	When applicable (Beef Cattle only)	5-Apr-95

### Beef ROP data

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D400	Birth Weight	3	N	999 (in kg unless field 01D415 is set to N)	submit with calving information when available	5-Apr-95
01D401	200 day Adjusted Weight	7	N	9999.99 (in kg unless field 01D415 is set to N)	when available	5-Apr-95
01D402	365 day Adjusted Weight	7	N	9999.99 (in kg unless field 01D415 is set to N)	when available	5-Apr-95
01D403	200 day Index	3	N	999	when available	
01D404	365 day Index	3	N	999	when available	
01D405	200 day Rank	7	A/N	1/5	when available	
01D406	365 day Rank	7	A/N	3/19	when available	
01D407	Calving Ease	1	A	U=Unassisted E=Easy Pull H=Hard Pull M=Malpresentation S=Surgical C=Convenience Pull	submit with calving information when available	
01D408	Submitting Calving Information?	1	A	Y or N	Only when ROP data is being submitted.	5-Apr-95

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D409	Submitting Weaning Information?	1	A	Y or N	Only when ROP data is being submitted.	5-Apr-95
01D410	Submitting Yearling Information?	1	A	Y or N	Only when ROP data is being submitted.	5-Apr-95
01D411	Submitting 15 month Information?	1	A	Y or N	Only when ROP data is being submitted	5-Apr-95
01D412	Submitting 18 month Information?	1	A	Y or N	Only when ROP data is being submitted.	5-Apr-95
01D413	Submitting Disposal Information?	1	A	Y or N	Only when ROP data is being submitted.	5-Apr-95
01D414	Submitting Misc. Information? (e.g. post slaughter information, etc.)	1	A	Y or N	Only when ROP data is being submitted.	5-Apr-95
01D415	Metric Measurements?	1	A	Y or N	Only when ROP data is being submitted.	5-Apr-95
01D416	Report Sort Order Code	1	N	8 (see code list)	Only when ROP data is being submitted.	5-Apr-95
01D417	ROP Enrollee Number	7	N	5000000	whenever ROP data is being submitted for processing	5-Apr-95
01D480	Calf Crop Year	4	N	1993	whenever ROP data is being submitted for processing	5-Apr-95
01D418	First Breeding Date (involving all dams used in breeding season)	8	N	19920531	When available	5-Apr-95
01D419	Last Breeding Date (involving all dams used in breeding season)	8	N	19920831	When available	5-Apr-95
01D420	First Calving Date (all calves during same calving season)	8	N	19930215	Required when submitting calving information	5-Apr-95
01D421	Birth - Weather Code	1	N	1=Drought 2=Dry 3=Normal	optional when submitting calving information	5-Apr-95

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
				4=Wet		
01D422	Sire Type	1	N	1=AI Bull: sire tattoo required in appropriate field 2=Natural Bull; sire tattoo required in appropriate field 3=Bull Battery	Required when submitting calving information	5-Apr-95
01D423	Nursing Type	1	N	2 (See Code list)	Submit with calving information when available	5-Apr-95
01D424	Dam Mothering Code	1	A	A=Excellent B=Good C=Fair D=Poor E=Foster Mother F=Orphan	Submit with calving information when available	5-Apr-95
01D425	Calving Complications Code	1	A	A=Very Premature B=Backwards C=Leg Back D=Other Malpresentation E=Other Complication	Submit with calving information when available	5-Apr-95
01D426	Calf Condition Code	1	A	A=Super Lively B=Good C=Slow D=Died at Birth E=Stillborn	Submit with calving information when available	5-Apr-95
01D481	Foster Dam Breed	2	A	JE (see code list)	submit with calving information when a foster dam was used for the calf	7-Apr-95
01D427	Foster Dam Tattoo	10	A/N	ABCD01234A (see field 01D007)	submit with calving information when a foster dam was used for the calf	5-Apr-95
01D428	Weaning Weight	4	N	1500 (in kg unless field 01D415 is	required when submitting	5-Apr-95

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
				set to N)	weaning information	
01D429	Weaning - Date Weighed	8	N	19920831	required when submitting weaning information	5-Apr-95
01D430	Weaning - Management Group	1	N	1 to 9	required when submitting weaning information	5-Apr-95
01D431	Weaning - Hip Height Measurement	5	N	999.9 (in cm unless field 01D415 set to N)	optional when submitting weaning information	5-Apr-95
01D432	Weaning - Hip Height Measurement Date	8	N	19920903	required if submitting the Hip Height Measurement and it is not the same as the date weighed.	5-Apr-95
01D433	Weaning - Pelvic Measurement	4	N	9999 (in square cm unless field 01D415 set to N)	optional when submitting weaning information	5-Apr-95
01D434	Weaning - Pelvic Measurement Date	8	N	19920901	required if submitting the Pelvic Measurement and it is not the same as the date weighed.	5-Apr-95
01D435	Weaning - Scrotal Circumference	4	N	99.9 (in cm unless field 01D415 set to N)	optional when submitting weaning information	5-Apr-95
01D436	Weaning - Scrotal Measurement Date	8	N	19920905	required when submitting the scrotal circumference if it is not the same as the date weighed	5-Apr-95
01D437	Weaning - Backfat Measurement	4	N	99.9 (in cm unless field 01D415 set to N)	optional when submitting weaning information	5-Apr-95
01D438	Weaning - Backfat Measurement Date	8	N	19920904	required when submitting the backfat measurement if it is not the same as the date weighed	5-Apr-95
01D439	Weaning - Weather Code	1	N	1=Drought 2=Dry	optional when submitting weaning information	5-Apr-95

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
				3=Normal 4=Wet		
01D440	Creep Fed?	1	A	Y or N	required when submitting weaning information	5-Apr-95
01D441	Yearling Weight	4	N	2000 (in kg unless field 01D415 is set to N)	required when submitting yearling information	5-Apr-95
01D442	Yearling - Date Weighed	8	N	19930215	required when submitting yearling information	5-Apr-95
01D443	Yearling - Management Group	1	N	1 to 9	required when submitting yearling information	5-Apr-95
01D444	Yearling - Hip Height Measurement	5	N	999.9 (in cm unless field 01D415 set to N)	optional when submitting weaning information	5-Apr-95
01D445	Yearling - Hip Height Measurement Date	8	N	19930201	required if submitting the Hip Height Measurement and it is not the same as the date weighed.	5-Apr-95
01D446	Yearling - Pelvic Measurement	4	N	9999 (in square cm unless field 01D415 set to N)	optional when submitting weaning information	5-Apr-95
01D447	Yearling - Pelvic Measurement Date	8	N	19930216	required if submitting the Pelvic Measurement and it is not the same as the date weighed.	5-Apr-95
01D448	Yearling - Scrotal Circumference	4	N	99.9 (in cm unless field 01D415 set to N)	optional when submitting weaning information	5-Apr-95
01D449	Yearling - Scrotal Measurement Date	8	N	19930220	required when submitting the scrotal circumference if it is not the same as the date weighed	5-Apr-95
01D450	Yearling - Backfat Measurement	4	N	99.9 (in cm unless field 01D415 set to N)	optional when submitting weaning information	5-Apr-95
01D451	Yearling - Backfat Measurement Date	8	N	19930220	required when submitting	5-Apr-95

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
					the backfat measurement if is not the same as the date weighed	
01D452	Yearling - Weather Code	1	N	1=Drought 2=Dry 3=Normal 4=Wet	optional when submitting yearling information	5-Apr-95
01D453	15 month Weight	4	N	2200 (in kg unless field 01D415 is set to N)	required when submitting yearling information	5-Apr-95
01D454	15 month - Date Weighed	8	N	19930503	required when submitting yearling information	5-Apr-95
01D455	15 month - Management Group	1	N	1 to 9	required when submitting yearling information	5-Apr-95
01D456	15 month - Hip Height Measurement	5	N	999.9 (in cm unless field 01D415 set to N)	optional when submitting weaning information	5-Apr-95
01D457	15 month - Hip Height Measurement Date	8	N	19930501	required if submitting the Hip Height Measurement and it is not the same as the date weighed.	5-Apr-95
01D458	15 month - Pelvic Measurement	4	N	9999 (in square cm unless field 01D415 set to N)	optional when submitting weaning information	5-Apr-95
01D459	15 month - Pelvic Measurement Date	8	N	19930429	required if submitting the Pelvic Measurement and it is not the same as the date weighed.	5-Apr-95
01D460	15 month - Scrotal Circumference	4	N	99.9 (in cm unless field 01D415 set to N)	optional when submitting weaning information	5-Apr-95
01D461	15 month - Scrotal Measurement Date	8	N	19930506	required when submitting the scrotal circumference if it is not the same as the date weighed	5-Apr-95

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D462	15 month - Backfat Measurement	4	N	99.9 (in cm unless field 01D415 set to N)	optional when submitting weaning information	5-Apr-95
01D463	15 month - Backfat Measurement Date	8	N	19930502	required when submitting the backfat measurement if is not the same as the date weighed	5-Apr-95
01D464	15 month - Weather Code	1	N	1=Drought 2=Dry 3=Normal 4=Wet	optional when submitting 15 month information	5-Apr-95
01D465	18 month Weight	4	N	2500 (in kg unless field 01D415 is set to N)	required when submitting 18 month information	5-Apr-95
01D466	18 month - Date Weighed	8	N	19930723	required when submitting 18 month information	5-Apr-95
01D467	18 month - Management Group	1	N	1 to 9	required when submitting 18 month information	5-Apr-95
01D468	18 month - Hip Height Measurement	5	N	999.9 (in cm unless field 01D415 set to N)	optional when submitting weaning. information	5-Apr-95
01D469	18 month - Hip Height Measurement Date	8	N	19930715	required if submitting the Hip Height Measurement and it is not the same as the date weighed.	5-Apr-95
01D470	18 month - Pelvic Measurement	4	N	9999 (in square cm unless field 01D415 set to N)	optional when submitting weaning information	5-Apr-95
01D471	18 month - Pelvic Measurement Date	8	N	19930720	required if submitting the Pelvic Measurement and it is not the same as the date weighed.	5-Apr-95
01D472	18 month - Scrotal Circumference	4	N	99.9 (in cm unless field 01D415 set to N)	optional when submitting weaning information	5-Apr-95
01D473	18 month - Scrotal Measurement Date	8	N	19930722	required when submitting	5-Apr-95

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
					the scrotal circumference if it is not the same as the date weighed	
01D474	18 month - Backfat Measurement	4	N	99.9 (in cm unless field 01D415 set to N)	optional when submitting weaning information	5-Apr-95
01D475	18 month - Backfat Measurement Date	8	N	19930721	required when submitting the backfat measurement if is not the same as the date weighed	5-Apr-95
01D476	18 month - Weather Code	1	N	1=Drought 2=Dry 3=Normal 4=Wet	optional when submitting 18 month information	5-Apr-95
01D477	Beef Grade (after slaughter)	2	A/N	A	optional when submitting misc. information	5-Apr-95
01D478	Beef Price (after slaughter)	7	N	9999.99 (price per kg unless field 01D415 is set to N)	optional when submitting misc. information	5-Apr-95
01D479	Beef Yield (after slaughter)	2	N	50 (as a percentage of live weight)	optional when submitting misc. information	5-Apr-95

### Customer Identification

Field Number	Field Name	Length	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/Changed
01D079	Prefix/Client ID	25	A/N	6064345	Holstein only	
01D080	CHIN No.(Telephone No.)	12	A/N	905-263-4726	Holstein only	
01D081	Milk Recording Program herd no.	5	N	52241	Holstein only	

### Special Shipping and Service Instructions (if different from Header Record)

01D134	Shipping Method	1	A	A=Air Express; B= Parcel Post; C=Courier; E=Registered and Special Delivery Mail; F=First	Customer will be billed for shipping if the cost exceeds first class mail	1-Jun-94
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				Class Mail; G=Special Letter; H=Personal Pickup; I=Priority Post; Q=Security Registration Mail; R=Registered Mail; S=Special Delivery Mail		
01D135	Rush Service Required?	1	A	Y or N	There may be an additional charge for Rush Service except for Exports	1-Jun-94
01D136	Date certificates required by	8	N	19940630	Optional	1-Jun-94
01D137	Ship to (Prefix/Client ID)	25	A/N	6524153	There will be an additional charge for sending certificates to more than one address	1-Jun-94
01D138	Ship to (Name)	50	A/N	Joe Cowman	used to double check field 01D137	1-Jun-94
01D140	Ship to (CHIN no. - Telephone No.)	12	A/N	613-999-9999	when available	1-Jun-94
01D141	Ship to (Milk Recording Program herd No.)	5	N	99999	when available	1-Jun-94
01DEND	No. of data fields sent for the animal including 01DEND record	3	N	999		

### **End Record Definition**

Field Number	Field Name	Len gth	Field Type	Example	Requirements (Mandatory unless otherwise specified)	Date Added/ Changed
01EEND	Total No. of Data Records sent	3	N	999 (this is the number of END records sent or the number of animals to be registered + 2)		