

# Premium Interface Component

## *User's Reference*

American Shorthorn Association

### Introduction

Midwest MicroSystems recognizes and applauds the leadership of the American Shorthorn Association in encouraging electronic data transfer. Accordingly, we have developed a breed template in the **Premium Interface Component (PIC)** that customizes **Cow Sense** to fit the exact fields of information that the Association requires. Cow Sense then allows you maximum flexibility to customize the rest of the program to your individual management needs. The software handles all of the technical aspects of data structure and file layouts and gives you the simple convenience of menu driven commands. Apply the pre-defined data structure to your Cow Sense herd, then simply select import and export routines that are written for specific data exchange functions. Validations operate in the background to ensure that data requirements are met on both import and export.

The primary functions of PIC are to: maintain standardized fields required by the respective breed associations; send in applications for animal registration; meet the requirements of total herd reporting; and to receive back registrations and EPD updates. Accordingly we have organized this document to follow the format of the respective procedure(s) documented in the *American Shorthorn Association Breeder's Guide*.

The Cow Sense Users' Guide will explain the use and functionality of the program and the many new features available with Cow Sense Version 4. This document will assist you in locating and working with the specific fields that are used in the Shorthorn Premium Interface Component (PIC) of Cow Sense Software. To launch the Premium Interface Component from the Cow Sense Main Menu - Go to: **Utilities > Transfer Data > Premium Interface Component**.

The following are detailed instructions for entering information, required field verification and data location within Cow Sense herd management software. In addition, this information has been condensed in a series of Quick Reference Tables for easy reference in using the Cow Sense Premium Interface Component.

### Installation of the PIC Breed Template

The first step when using PIC for the first time is to install a breed template. A breed template is used to customize your herd by adding necessary fields or changing description codes so you can conform to association rules and export the necessary information needed by that association.

If Midwest MicroSystems did your initial herd build or conversion then your template is already in place and you do not need to apply it to this herd. If you are applying the template to a previously established or new herd for the first time, Go to **PIC Main Menu Select: Breeds > Templates > Shorthorn**. The program will display the name and location of the current herd and ask you to confirm that the herd listed is the one, upon which you wish to apply the template. Select either the 'Yes' or 'No' button.

After a breed template is applied PIC will customize itself for the specific breed by adding menu options that can be chosen to perform various operations like exporting registration and performance data to the association and even updating your herd with data received from the association. Please note that you can only apply one breed template to your herd at a time.

### Submitting Registration Information from PIC

To electronically submit a registration application with the Association via the Cow Sense Premium Interface Component the following information must be gathered and input into Cow Sense. On the following pages that follow is a quick reference table where you can locate the fields and the type of information that is required to be entered in those fields. After reviewing these tables, you will better understand the type of data that needs to be entered before trying to export data to the association.

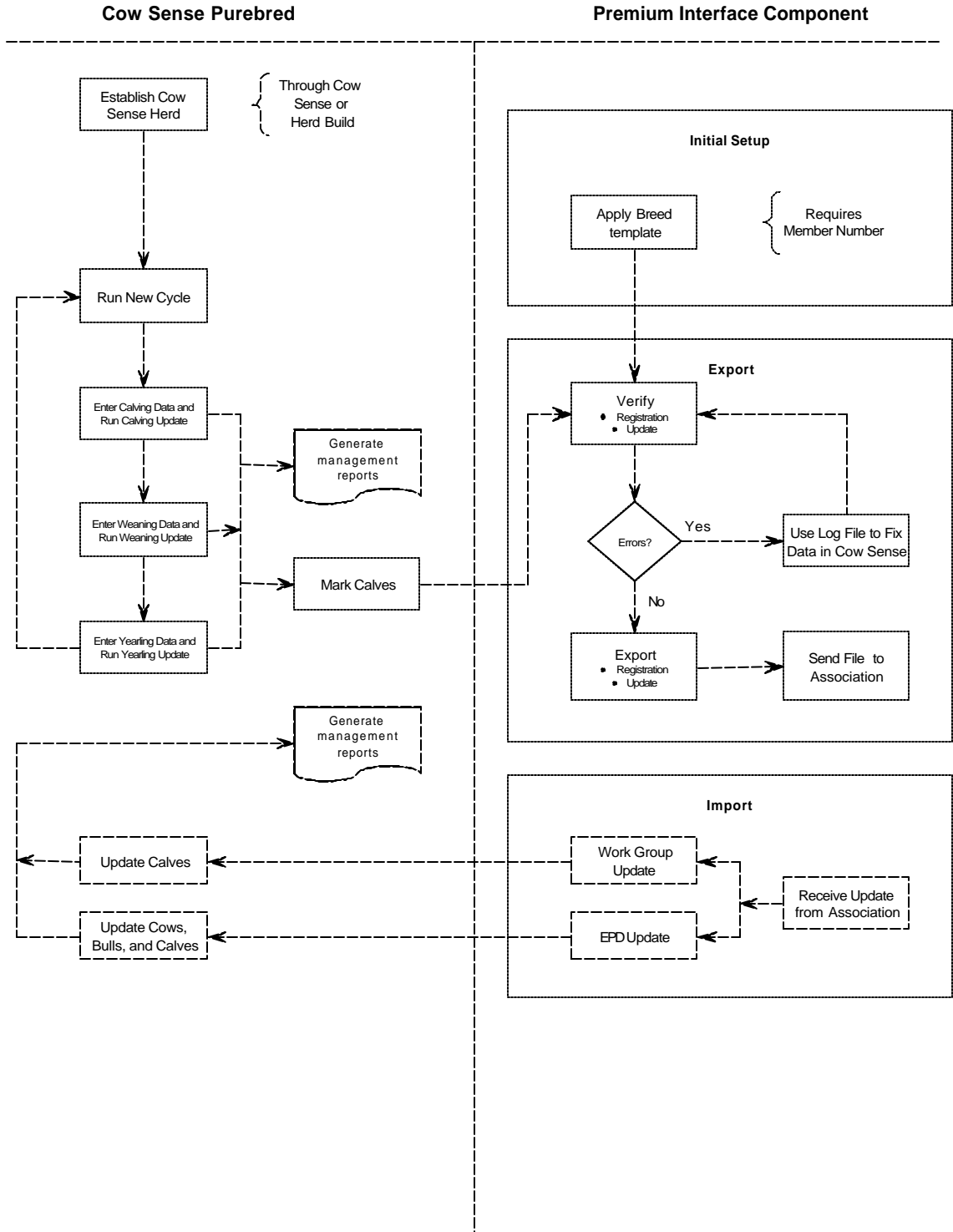
Once all necessary information has been entered into Cow Sense Version 4, you can then prepare to submit that information to the association. The following steps will help guide you through the process of submitting registration information to the association:

1. First review the list of calves in Cow Sense and Mark all records to be Exported (refer to page 69 of the *Cow Sense User's Guide*).
2. Once records are Marked for Export proceed to the Cow Sense Main Menu and **Select > Utilities > Transfer Data > Premium Interface Component**.
3. Once PIC has launched, proceed to the Main Menu bar and **Select: Breeds > Export > Shorthorn > Registration > Verify**.
4. A Verify Registrations window will appear asking if you wish to verify the information from the Cow Sense herd listed before exporting it to a file for submission to the association. Select the 'Verify' button.
5. An Export File window will appear asking you to confirm the number of records to be verified. If this is the same number as the records you marked, Select the 'Yes' button, if not Select the 'No' button and repeat the procedure to determine the discrepancy.
6. After selecting the 'Yes' button another window will appear that asks if you want to print warnings in the result log. It is recommended that you choose 'Yes'. After selecting the 'Yes' button a progress bar will appear and the verification process will take place. This could take some time.
7. After this process is complete a window will appear either telling you that no errors were found or asking you if you wish to view the error log file. Choose 'Yes'. If any errors were encountered, they will now be displayed in Notepad. Please note that PIC validates all records to ensure that all required information is included and reports any errors encountered, all warnings that were issued, as well as all records exported at this time.
8. Review these errors (if there are any) and make any necessary changes in Cow Sense.
9. Repeat the verification process until no errors are encountered.
10. Once you have completed the verification process you are now ready to run the final export for the association. Go to the Main Menu bar and **Select: Breeds > Export > Shorthorn > Registration > Export**.

## Cow Sense™ Herd Management Software

11. An Export Registrations window will appear asking if you wish to export the information from the Cow Sense herd listed, exporting it to a file for submission to the Association. Select the 'Export' button.
12. An Export File window will appear asking you to confirm the number of records to be verified. If this is the same number as the records you marked, Select the 'Yes' button, if not Select the 'No' button and repeat the procedure to determine the discrepancy.
13. After selecting the 'Yes' button another window will appear that asks if you want to print warnings in the result log. It is recommended that you choose 'Yes'.
14. After selecting the 'Yes' button another window will appear asking you to confirm the breeder information that will be used for the registration of your calves. Click on 'Submit Under Different Name' if you wish to change the person who is registering the calves.
15. After selecting the 'Done' button you will be asked to confirm your email address. Re-enter your email address and click 'OK'.
16. The information you chose to use will be displayed in another window for your review. After clicking 'Yes' a confirmation window will appear telling you who will be registering the marked calves. Please note that if there is more than one breeder registering calves you will have to run a separate export for each of them. Click 'Yes' if this information is correct and a progress bar will appear and the export process will take place. This could take some time.
17. After this process is complete a window will appear that indicates the Export function was complete. Please note that PIC will validate the data one last time to ensure that there are no errors. If there are errors encountered you will be able to review them the same way as in the verification process. Please note that the error log displayed in the Export routine is more abstract and may not list every error. It is recommended that you always use the verification process until no errors are found. This will save you some time.
18. When all records have been successfully exported you can print out the registration report with all of the calving information, go to the Main Menu bar and **Select: Breeds > Export > Shorthorn > Registration > Print.**
19. A new window will open up displaying the report. Please note that this report can only be displayed once. If you wish to print out this registration report do it now or you will have to run the export again in order to display the report for printing. It is recommended you print two copies of the registration report so you also have a copy to keep for your records. You may also click on the Export button when the report is displayed and export it to a PDF file that you can attach to email and send to the association. Please note that the Shorthorn association has two different registration forms. If you had marked any ET calves to be exported, these calves will be printed on the single birth report, all others will be printed on the multiple birth report. Be sure to fill out any other information needed on the single birth report and sign appropriately.

You have now completed registration of your calves.



## SHORTHORN REGISTRATION FILE LAYOUT

**TABLE 1: ENTER DATA CALVES, COWS AND BULLS**

Entry Form	Cow Sense Field(s)	Required	Description/Use	Assoc Field Name
Calving Main	Birth Date	If Live Calf	Calf's Birth Date (mm/dd/yyyy)	Calf Birth Date
Calving Main	Birth Weight		Calf's Birth Weight	Calf Birth Weight
Calving Main	Born As	If Live Calf	Enter type of birth: S = Single (Converted to '1' for export to the association) TB = Twin to Bull (Converted to '2' for export to the association) TH = Twin to Heifer (Converted to '2' for export to the association) E = Embryo Transfer (Converted to '1' for export to the association) ES = Split embryo (Converted to '1' for export to the association) C = Clone (Converted to '1' for export to the association) R = Triplet (Converted to '3' for export to the association)	No. Born, ET?
Calving Main	Calving Ease		Calving Ease Enter one of the following: 1 = Unassisted 2 = Easy pull 3 = Hard Pull – puller used 4 = Caesarean 5 = Abnormal Presentation	Calving Ease
Calving Main	Color	If Registering Calf	Calf's Color Enter one of the following: W = White Red = Red R/W = Red and White RWM = Red with White Marks Roan = Roan White = White  Or any other appropriate color code used by association	Calf Color

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Calving Main	Cow ID	Always	Cow ID	Dam ID
Calving Main	Poll	If Registering Calf	<p>Poll Status Enter one of the following: H = Horned P = Polled S = Scurs D = De-horned</p>	Calf Poll Status
Calving Main	RE Tattoo, LE Tattoo	If Live Calf	<p>LE Tattoo and/or RE Tattoo Enter the Calf's Tattoo into either LE or RE or Both PIC will automatically put the birth year ahead of the tattoo to go to the association</p>	Calf ID
Calving Main		If Live Calf	<p>PIC will automatically fill in this association field during the export. The only user input needed is to enter the tattoo into LE or RE or Both</p>	Calf Tattoo Loc
Calving Main	Recip ID	If ET Calf	Calf's Recipient ID (ET calves only)	Recip ID
Calving Main	Sex	If Live Calf	<p>Calf sex (Enter one of the following) B = Bull (Converted to 'M' for export to the association) H = Heifer (Converted to 'F' for export to the association) S = Steer</p>	Calf Sex
Calving Main	Sire ID	Always	Sire ID	Sire ID
Weaning Main	Name	If Registering Calf	Calf's Name (Limited to 25 characters)	Calf Name
Weaning Main	Wean Weight		Calf's Weaning Weight	Wean Weight
Weaning Main	Wean Weight Date		Date Calf's Weaning Weight was taken (mm/dd/yyyy)	Wean Weight Date
Supplemental (Calf)	Owner Number	Always	<p>PIC uses the Owner Number field on the calf for exports. If it is blank, the Breeder ID entered when the template was applied is used.</p>	Account Number
Supplemental (Calf)	Register	Always	<p>Enter 'Y' if submitting calf information for registration. Enter 'N' if for total herd reporting only. If left blank, PIC will default to 'Y'.</p>	Register

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Supplemental (Calf)	AI	If Registering Calf	<p>AI? (Enter one of the following)            Y = Calf is an AI calf            N = Calf is NOT an AI calf</p> <p>PIC uses AI if it is not blank. If it is blank then PIC attempts to determine the service type by using the BornAs and SireType fields. If PIC is unsuccessful, another attempt is made looking at the breeding records. If PIC is still unsuccessful, an error is generated in the log file, and the user must enter the service type in this field and run the export again.</p>	AI
Supplemental (Calf)	Transfer To		For the calf to be transferred at this stage, provide the name, city, and state of the new owner. If this calf is an ET, you will have to fill in transfer information by hand on the printed form when done.	Transfer To
Supplemental (Calf)	Register Form Choice		<p>User's choice for what form the calf will be printed on:            M = Calf printed on multiple form            S = Calf printed on single form</p> <p>If left blank, PIC will default non-ET calves to 'M', and ET calves to 'S'</p>	Reg Form
Supplemental (Calf)	Transfer Date		Date the calf was transferred	Transfer Date
Cow Main	Birth Date	Always	<p>Dam's Birth Date (mm/dd/yyyy)            Recipient Dam Birth Date (if an ET Calf)</p>	Dam Birth Date, Recip Birth Date

Cow Main	Disposal Code OR Reason Code	If cow disposed OR no calf	<p>Dam's Disposal Code / Reason Code</p> <p>If a cow did not produce a calf this year, but she is still on your inventory ( not dead, culled or sold), please indicate her status with the appropriate Reason Code:</p> <p>A-1 = Open, missed calving opportunity  A-2 = Open, moved to next calving season  A-3 = ET Program/Donor Cow  A-4 = ET Program/Recipient Cow  A-5 = Aborted/Premature (use this reason code for cow rather than disposal for calf)  A-Other = Anything else does not fall into the codes above for a reason code on cow</p> <p>If a cow died, was culled from your herd or was sold, please use the following codes to indicate why:</p> <p>B-0 (Or leave blank) = Active – still in herd  B-1 = Died after weaning – disease  B-2 = Died after weaning – other  B-3 = Died – age  B-4 = Culled – physical defect  B-5 = Culled – fertility  B-6 = Culled – performance/productivity  B-7 = Culled – temperament  B-8 = Culled – age  B-9 = Culled – other  B-10 = Sold – purebred breeding purposes/papers transferred  B-11 = Sold – commercial breeding purposes/papers not transferred  B-12 = Sold – commercial breeding purposes/papers transferred</p> <p>Calf Disposal Codes:</p> <p>C-1 = Stillborn/Full Term  C-2 = Dead at Birth - defect  C-3 = Dead at Birth - other  C-4 = Born alive, died within 72 hours  C-5 = Born alive, sold before weaning  C-6 = Born alive, died before weaning - disease  C-7 = Born alive, died before weaning - other  C-8 = Died after weaning - disease  C-9 = Died after weaning - other</p> <p>NOTE: It is recommended you fill out the Disposal Code on the cow. PIC will translate Cow Sense codes to association codes for you. If you enter Sold as the disposal on the cow, PIC will prompt for you to enter either B-10, B-11, or B-12 on export. You may also fill in any of the codes listed into the template field called Reason Code.</p>	Disposal Code
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# Cow Sense™ Herd Management Software

Cow Main	Disposal Date		Cow's Disposal Date if there is a disposal code entered	Disposal Date
Cow Main	Name	Always	Dam's Name Recipient's Name (if an ET Calf)	Dam Name, Recip Name
Cow Main	Registration	Always	Dam's Registration Number Recipient's Registration Number (if an ET Calf)	Dam Registration, Recip Registration
Cow Main	Status	Always	Dam's Status (ACTIVE or GONE)	Dam Status
Cow Main	Tattoo	Always	LE Tattoo and/or RE Tattoo Enter the Cow's Tattoo into either LE or RE or Both PIC will automatically put the birth year ahead of the tattoo to go to the association	Dam ID
Bull Main	Disposal Code	If bull disposed	<p>Sire's Disposal Code / Reason Code</p> <p>If a bull died, was culled from your herd or was sold, please use the following codes to indicate why:</p> <p>B-0 (Or leave blank) = Active – still in herd            B-1 = Died after weaning – disease            B-2 = Died after weaning – other            B-3 = Died – age            B-4 = Culled – physical defect            B-5 = Culled – fertility            B-6 = Culled – performance/productivity            B-7 = Culled – temperament            B-8 = Culled – age            B-9 = Culled – other            B-10 = Sold – purebred breeding purposes/papers transferred            B-11 = Sold – commercial breeding purposes/papers not transferred            B-12 = Sold – commercial breeding purposes/papers transferred</p> <p>NOTE: It is recommended you fill out the Disposal Code on the bull. PIC will translate Cow Sense codes to association codes for you. If you enter Sold as the disposal on the bull, PIC will prompt for you to enter either B-10, B-11, or B-12 on export. You may also fill in any of the codes listed into the template field called Reason Code.</p>	Sire's Disposal Code

**Cow Sense™** Herd Management Software

Bull Main	Disposal Date		Sire's disposal date if disposal code was entered	Sire's Disposal Date
Bull Main	Name	If Live Calf	Sire's Name	Sire Name
Bull Main	Registration	If Live Calf	Sire's Registration Number	Sire Registration
Bull Main	Tattoo	Always	LE Tattoo and/or RE Tattoo Enter the Bull's Tattoo into either LE or RE or Both PIC will automatically put the birth year ahead of the tattoo to go to the association	Sire ID