

# Sanitrace



Sanitrace Belgie - Sanitrace Belgique - Sanitrace Belgien

Sanitrace Luxembourg - Sanitrace Luxemburg - Sanitrace Letzeburg



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This solution conforms to the standards of the EDS internet and webservice strategy and is built with the EDS.SystemLib VS2005 - release 8.2

# SANITRACE

## NOTIFICATIONS – BIRTH/IMPORT

Version 1

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# 1. Introduction

Births and imports of bovines are registered via the same screen, because the input that must be offered to the Sanitrace application is very similar in both cases. The difference between notifying a birth or an import is indicated in the field *Notification Type*. The fields that must be filled in depend on it.

The screenshot shows a web browser window titled "BirthNotification Maintenance - Microsoft Internet Explorer provided by EDS COE". The address bar shows the URL: [http://qas.sanitrace.be/web/QAS\\_Sanitrace\\_Web/Pages/Notification/BirthNotificationPage.aspx?ActivityStatus=Select&Key=0](http://qas.sanitrace.be/web/QAS_Sanitrace_Web/Pages/Notification/BirthNotificationPage.aspx?ActivityStatus=Select&Key=0). The page header includes "Sanitrace.Net - QAS" and "© 2007 FAVV/AFSCA -- Loaded: 17/10 14:56". The main content area is titled "Maintain BirthNotification" and contains a form with the following fields and options:

- Notification ID: 0
- Creation Date: [empty]
- Notification Type: **Birth** (highlighted with a red box)
- Animal Condition: Alive
- Barcode Input: [empty]
- Facility: [empty]
- Sanitary Unit: [empty]
- Status: New
- Marking: BE [empty]
- Certificate Number: [empty]
- Import Country: [empty]
- Import Date: [empty]
- Production Unit: [empty]
- Animal Type: Bovine
- Animal Sub Type: Bovine
- Birth Date: [empty]
- Hair Type: [empty]
- Gender: [empty]
- Animal Race Type: [empty]
- Animal Race: [empty]
- Mother: BE [empty]
- Conception: Normal
- Genetic Mother: BE [empty]
- Multiple Birth: [empty]
- Recent Purchase: [empty]
- Nourished by mother: [empty]
- Birth Facility: [empty]
- Origin Facility: [empty]
- Visit: 0
- Passport Print: Printing - urgent
- Group: [empty]
- SubGroup: [empty]
- DNA Sample: [empty]
- DNA Quality: [empty]
- Death Date: [empty]
- Premium: [empty] P1 [empty] P2
- TBC Date: [empty]

At the bottom of the form, there are tabs for "Details", "Archive", "Validation", and "Status History". The "Action:" dropdown is set to "Commit", with "Insert" and "Cancel" buttons. The footer of the page states "This site is built with the EDS.SystemLib V52005 - release 9.1".

The Birth notification as well as the Import notification has the three tabs common to all notifications : Archive-tab, Validation-tab and Status History-tab. The details about these tabs are described in the manual *Sanitrace: Notifications – General Principles*.

## 2. Registering a Birth Notification

Click the *New*-icon to start the creation of a new notification. Now you can start filling in the fields for notifying a birth to the Sanitrace-application.

The registration of a notification must follow certain rules. These rules are checked automatically at the save of a new or updated notification, and the user gets feedback via the Validation-tab and the blue bar at the bottom of the screen. See *4 Rules applied to Birth and Import notifications* for more details about the rules applied to the birth notification.

### 2.1. The general screen

#### 2.1.1. Upper part of the screen

The screenshot displays the 'Sanitrace.Net - QAS' web application interface. The main heading is 'Maintain BirthNotification'. The form is organized into several sections:

- Notification ID:** 0
- Creation Date:** [Empty]
- Notification Type:** Birth
- Animal Condition:** Alive
- Barcode Input:** [Empty]
- Facility:** [Empty]
- Sanitary Unit:** [Empty]
- Status:** New
- Marking:** BE
- Certificate Number:** [Empty]
- Import Country:** [Empty]
- Import Date:** [Empty]
- Production Unit:** [Empty]

Below the main form, there are tabs for 'Details', 'Archive', 'Validation', and 'Status History'. The 'Details' tab is selected, showing additional fields:

- Animal Type:** Bovine
- Animal Sub Type:** Bovine
- Birth Date:** [Empty]
- Hair Type:** [Empty]
- Gender:** [Empty]
- Animal Race Type:** [Empty]
- Animal Race:** [Empty]
- Mother:** BE
- Conception:** Normal
- Genetic Mother:** BE
- Multiple Birth:** [Empty]
- Recent Purchase:** [Empty]
- Nourished by mother:** [Empty]
- Birth Facility:** [Empty]
- Origin Facility:** [Empty]
- Visit:** 0
- Passport Print:** Printing - urgent
- Group:** [Empty]
- SubGroup:** [Empty]
- DNA Sample:** [Empty]
- DNA Quality:** [Empty]
- Death Date:** [Empty]
- Premium:** P1, P2
- TBC Date:** [Empty]

At the bottom of the form, there are buttons for 'Commit', 'Insert', and 'Cancel'. The status bar at the bottom indicates 'Logout: cz43jp #' and 'Action: Commit | Insert | Cancel'.

- **Notification ID**  
Unique identification of a notification, generated automatically by the application. This field will always be protected.
- **Notification Type**  
The type of the notification. Notifications that can be registered via this screen are *Birth* and *Import*. Default value for this field is *Birth*. Choose *Birth*.

- **Animal Condition**

The condition of the newborn animal. Possible values are *Alive*; *Dead born, marked* ; *Dead born, not marked*. Default value for this field is *Alive*.

- **Barcode input**

This field can be used to scan the barcode on the paper version of the birth notification. It is also possible to enter the barcode-value manually (confirm by clicking on ✓). Based on the barcode the fields *Facility*, *SanitaryUnit* and *Marking* are filled in automatically.

- **Facility**

The facility where the animal is born. This field can be filled in

- manually (confirm by clicking on ✓) or
- by looking up the facility via the link 🔍 (see the manual about *Identify Facility*)
- directly via the scanning of a barcode
- automatically from your profile, depending on the *Notification Type*

Once a facility is filled in, its details can be consulted in a popup via the link 📄 (see the manual about *Maintain Facility*).

When using the facility selector via the link 🔍, the *Identify Facility* screen will open in popup-mode with the following defaults:

*Facility Type = Cattle Farm*

*Facility Status = Active*

*Animal Type = Bovine*

- **Sanitary Unit**

The sanitary unit where the animal is born. Once the facility is filled in, this dropdown is filled automatically with the bovine-sanitary units available at that facility. In addition, if the facility has only one bovine-sanitary unit, then this sanitary unit is filled in automatically.

It can also be filled in directly via the scanning of a barcode.

Once a sanitary unit is selected, its details can be consulted in a popup via the link 📄 (see the manual about *Maintain Sanitary Unit*).


- **Status**

Status of the notification (see the manual *Notifications – General Principles*).

- **Marking**

The marking number assigned to the newborn animal. This field can be filled in once a sanitary unit is selected. It can be filled in manually (confirm by clicking on ✓) or by looking up a marking number that's available at the sanitary unit via the link 🔍 (see the manual for *Identify Marking*).

It can also be filled in directly via the scanning of a barcode.

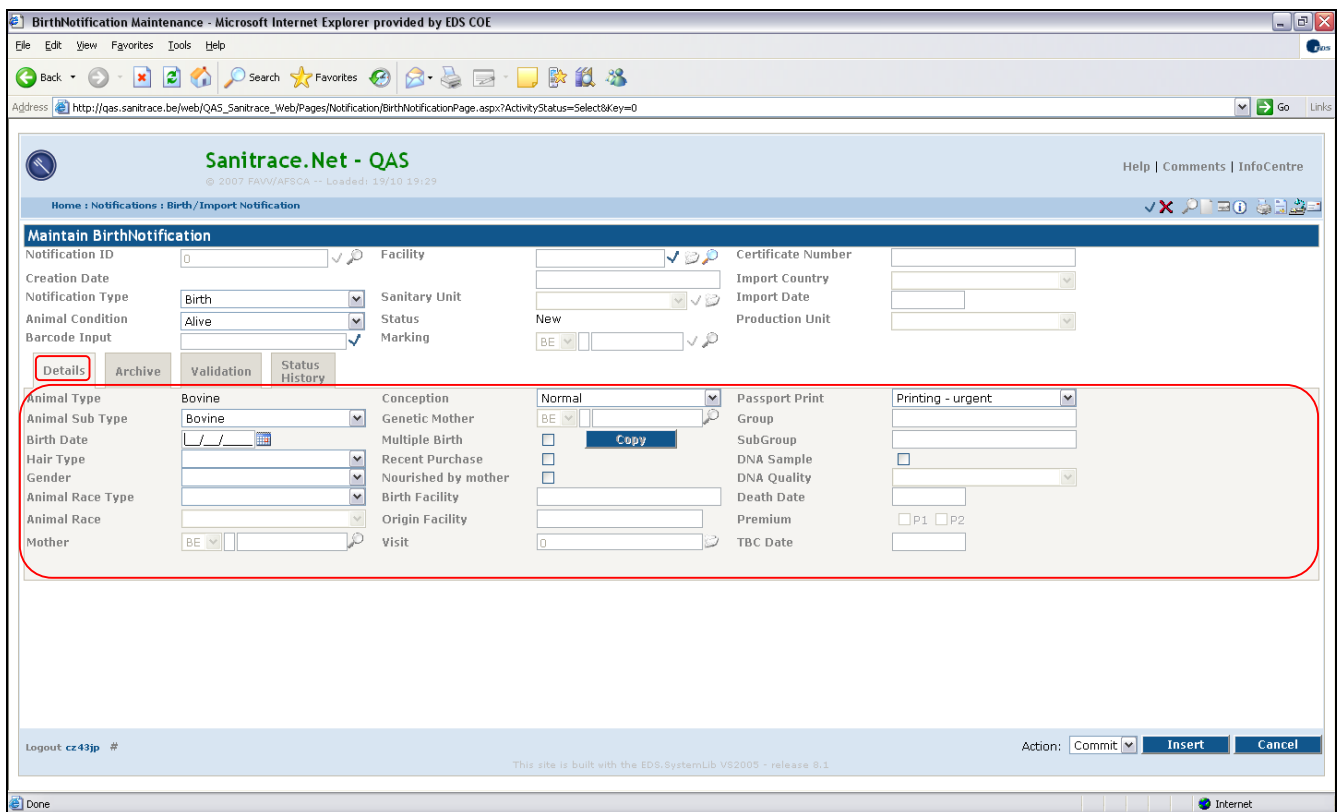
When using the marking selector via the link , the *Identify Marking* screen will open in popup-mode with the following defaults:

*Marking Status = Available*

*Sanitary Unit = the sanitary unit selected in the notification*

- **Certificate number**  
Not applicable
- **Import Country**  
Not applicable
- **Import Date**  
Not applicable
- **Production Unit**  
Not applicable

## 2.1.2. Detail-tab






The screenshot shows the 'Sanitrace.Net - QAS' web application interface. The main heading is 'Maintain BirthNotification'. Below this, there are several tabs: 'Details', 'Archive', 'Validation', and 'Status History'. The 'Details' tab is currently selected and highlighted with a red border. The form contains the following fields and options:

- Notification ID: 0
- Creation Date: [empty]
- Notification Type: Birth
- Animal Condition: Alive
- Barcode Input: [empty]
- Facility: [empty]
- Sanitary Unit: [empty]
- Status: New
- Marking: [empty]
- Certificate Number: [empty]
- Import Country: [empty]
- Import Date: [empty]
- Production Unit: [empty]
- Animal Type: Bovine
- Animal Sub Type: Bovine
- Birth Date: [empty]
- Hair Type: [empty]
- Gender: [empty]
- Animal Race Type: [empty]
- Animal Race: [empty]
- Mother: BE [empty]
- Conception: Normal
- Genetic Mother: BE [empty]
- Multiple Birth: [empty]
- Recent Purchase: [empty]
- Nourished by mother: [empty]
- Birth Facility: [empty]
- Origin Facility: [empty]
- Visit: 0
- Passport Print: Printing - urgent
- Group: [empty]
- SubGroup: [empty]
- DNA Sample: [empty]
- DNA Quality: [empty]
- Death Date: [empty]
- Premium: P1 [empty] P2 [empty]
- TBC Date: [empty]


At the bottom of the form, there are buttons for 'Commit', 'Insert', and 'Cancel'. The footer of the page indicates 'Logout cz43jp #' and 'This site is built with the EDS.SystemLib VS2005 - release 8.1'.


- **Animal Type**  
*Always Bovine.*
- **Animal Sub Type**  
The animal sub type of the newborn animal. Possible values are *Bovine*, *Bison*, *Buffalo* and *Dwarf Bovine*. Default value for this field is *Bovine*.

- **Birth Date**  
Birth date of the newborn animal. This field can be filled in manually or by looking up a date via the date selector (link )
- **Hair Type**  
The hair type of the newborn animal. Possible values are *Red, Red White, White Red, White, White Blue, Blue White, White Black, Black White, Black, Mouse Brown, Light Brown, Dark Brown* and *Gray*.
- **Gender**  
The gender of the newborn animal. Possible values are *Male* and *Female*.
- **Animal Race Type**  
The animal race type of the newborn animal. Possible values are *Milk, Meat* and *Mixed*.
- **Animal Race**  
Currently not applicable
- **Mother**  
The mother of the newborn animal. The mother can be specified manually by filling in the *country code*, the *check digit* and the *marking number*, or can be selected via the link  (see the manual for *Identify Animal*).

When using the animal selector via the link , the *Identify Animal* screen will open in popup-mode with the following defaults:


*Sanitary Unit = the sanitary unit selected in the notification*  
*Animal Situation = Bovine is in sanitary unit inventory*  
*Animal Type = Bovine*  
*Animal Gender = Female*  
*Born Before = Current date – 15 months*

- **Conception**  
The type of conception. Possible values are *Normal* and *Transplant*. Default value for this field is *Normal*.
- **Genetic Mother**  
The genetic mother of the newborn animal. This field will only be editable if *Conception* is equal to *Transplant*. The genetic mother can be specified manually by filling in the *country code*, the *check digit* and the *marking number*, or can be selected via the link  (see the manual for *Identify Animal*).

When using the animal selector via the link , the *Identify Animal* screen will open in popup-mode with the following defaults:

*Animal Situation = Bovine is in sanitary unit inventory*  
*Animal Type = Bovine*

*Animal Gender = Female*

- **Multiple Birth**  
Check this box if it concerns the registration of one of the animals of a multiple birth.
- **Recent purchase**  
Check this box if the mother is not yet registered on the sanitary unit because she was recently purchased.
- **Nourished by mother**  
Check this box if the newborn animal is nourished by the mother.
- **Birth Facility**  
Not applicable
- **Origin Facility**  
Not applicable
- **Visit**  
This is the Visit-Id in case a birth notification is created from a visit notification. This field is not editable via the birth notification screen.
- **Passport Print**  
Indicates if the printing of the passport is urgent or not, or if no passport is needed. Possible values are *Printing-urgent*, *Printing-not urgent* and *No Printing*. Default value for this field is *Printing-urgent*.
- **Group**  
The group to which the newborn animal will belong.
- **Subgroup**  
The subgroup to which the newborn animal will belong.
- **DNA Sample**  
Check this box if a DNA sample has been taken.
- **DNA Quality**  
The quality of the DNA sample. This field will only be editable if *DNA Sample* is checked. Possible values are *Not Ok* and *Ok*.
- **Death Date**  
The date of death of the newborn animal.. This field will only be editable if *Animal Condition* is equal to *Dead born, marked* or *Dead born, not marked*. This field can be filled in manually or by looking up a date via the date selector (link ).
- **Premium**  
Not applicable

- **TBC Date**  
Not applicable

### 2.1.3. VRV-tab

The VRV-tab is only visible if there is/was an agreement of type *Read* Authorisation with VRV active during the last three months before the registration of the birth. Each time the *Facility* changes this condition is evaluated again.

The screenshot shows the 'Sanitrace.Net - QAS' web application interface. The main heading is 'Maintain BirthNotification'. Below this, there are several input fields and dropdown menus for various attributes like Notification ID, Facility, Creation Date, Notification Type, Animal Condition, Barcode Input, Sanitary Unit, Status, Marking, Certificate Number, Import Country, Import Date, and Production Unit. A red box highlights the 'VRV' tab, which is currently selected. Under the 'VRV Specifications' section, there are dropdown menus for 'Identificationcard VRV', 'VRV Specifics', and 'Naming Choice', and a text input field for 'Name'. The 'Birth Specifications' section includes dropdown menus for 'Delivery', 'Beefability', 'Birth Weight' (with a 'Kg' unit), and 'Survival'. At the bottom right, there are 'Commit', 'Insert', and 'Cancel' buttons.

- **Identification Card VRV**  
Is used to indicate if an identification card of VRV is wanted. Possible values are *Yes* and *No*.
- **VRV Specifics**  
Specific details that must be used to indicate if an identification card of VRV is wanted. Possible values are *None*, *Light Calf*, *Heavy Calf*, *Premature Birth*, *Postmature Birth*, *Multiple Birth*, *Embryo-transplantation*, *Hereditary Handicap*, *Non registered Fertilization* and *Several Specifications*.
- **Naming Choice**  
The way of naming the animal. Possible values are *Automatic*, *Fill-in Name*, *No Name* and *Serial Number*.
- **Name**

The name or serial number of the newborn animal. This field is only editable if *Naming Choice* is equal to *Fill-in Name* or *Serial Number*.

- **Delivery**

Is used to indicate how the labour turned out. Possible values are *Easily*, *Normal*, *Difficult*, *Caesarean*, *Sawed Off* and *Other Aid*.

- **Beefability**

Is used to indicate the beefability. Possible values are *Milkcalf*, *Low Beefiness*, *Normal Beefiness*, *Robust Beefiness* and *Double-muscled*.

- **Birth weight**

The weight of the newborn animal in kg. A value up to 99 kg can be specified.

- **Survival**

Is used to indicate if the newborn animal survived the birth process. Possible values are *Alive*, *Stillborn*, *Deceased first day* and *Deceased after first day*.

## 2.2. The simplified screen

The screenshot shows the 'Register Birth' form in the Sanitrace.Net - QAS application. The form is organized into several sections:

- Registration Information:** Notification ID (0), Facility (BE10014385), Creation Date, Sanitary Unit (ADRIAENSSENS LOUIS), Animal Condition (Alive), Status (New), Marking (BE).
- Animal Details:** Animal Type (Bovine), Animal Sub Type (Bovine), Birth Date, Hair Type, Gender, Animal Race Type, Animal Race (BE), Mother (BE).
- Conception and Health:** Conception (Normal), Genetic Mother (BE), Multiple Birth (checkbox), Recent Purchase (checkbox), Nourished by mother (checkbox).
- Passport and Printing:** Passport Print (Printing - urgent), Group, SubGroup, Death Date.

The form is displayed in a Microsoft Internet Explorer browser window. The browser address bar shows the URL: [http://qas.sanitrace.be/web/QAS\\_Sanitrace\\_Web/Pages/Notification/BirthNotificationPage.aspx?ActivityStatus=Insert&key=08NOTFTType=ARBT&ProfileMenuPage=Farm](http://qas.sanitrace.be/web/QAS_Sanitrace_Web/Pages/Notification/BirthNotificationPage.aspx?ActivityStatus=Insert&key=08NOTFTType=ARBT&ProfileMenuPage=Farm). The browser title is 'BirthNotification Maintenance - Microsoft Internet Explorer provided by EDS COE'. The application header includes 'Sanitrace.Net - QAS' and '© 2007 FAVV/AFSCA -- Loaded: 27/10 08:11'. The footer shows 'Logout cz43jp #' and 'Action: Commit Insert Cancel'. The browser status bar indicates 'Internet'.

To facilitate the task of a farmer a simplified screen for the registration of a birth is available in the application (from the *Farmer Menu*). This screen is just a "stripped version" of the general screen. This means that

- The difference between both screens is that some fields that are irrelevant for the farmer are hidden in simplified screen
- The logic in the background is the same for both the general screen and the simplified screen
- a birth notification created in the simplified screen can also be opened in the general screen

## **2.3. Result of a birth notification**

### **2.3.1. Creating the new animal in the database**

Once a birth notification gets the status *ACCEPTED*

- the newborn animal is created in the database with all the specifications from the birth notification
- it is linked to its sanitary unit
- it gets the status *In inventory of Sanitary Unit*
- it is linked to the Exploitation of its mother, but only if the mother is linked to the SU indicated in the birth notification
- it gets the blocking status and blocking reason of its sanitary unit. The blocking date will be set at the birth date.

From then on, the animal is known in the Sanitrace application.

### **2.3.2. Status of the marking number of the newborn animal**

At creation of a new birth notification, the marking number gets the status *RESERVED*.

If the notification gets the final status *ACCEPTED*, then the status of the marking number changes to *USED*.

If the notification gets the final status *REJECTED* or *CANCELLED*, then the status of the marking number returns to *AVAILABLE*.

### **2.3.3. Creation of a passport**

If a birth notification gets the final status *ACCEPTED* and the value of *Passport Print* is equal to *Printing-urgent* or *Printing-not urgent*, then

- a passport is created for the newborn animal (see manual *Creation of passports*)
- the version (always 1 for a newborn animal) and the print reason are registered on the animal screen (see the manual for *Maintain Animal*). Possible values for the print reason are *First Identification-Not urgent Printing* (R41) and *First Identification-Urgent Printing* (R42)
- the passport gets the status *Ready for printing*

The passport is now available for printing (see manual for *Identify Passport*)

#### **2.3.4. Impact on the mother**

IF a birth notification gets accepted, and the mother is known in the database, then

- the birth date is saved as the *Last Delivery Date* of the mother
- the birth date is also saved as the *First Delivery Date* of the mother if that field isn't yet filled in

#### **2.4. Creating a copy of a birth notification**

In case of a multiple birth, 2 or more birth notification must be registered. Most of the data will be the same in these notifications. To facilitate the task of the user, a copy-button is activated once an existing birth notification with *Multiple Birth* checked is shown. Based on that notification, other similar notifications can be created.

### 3. Registering an import notification

Click the *New*-icon to start the creation of a new notification. Now you can start filling in the fields for notifying an import to the Sanitrace-application.

The registration of a notification must follow certain rules. These rules are checked automatically at the save of a new or updated notification, and the user gets feedback via the Validation-tab and the blue bar at the bottom of the screen. See *4 Rules applied to Birth and Import notifications* for more details about the rules applied to the import notification.

#### 3.1. The screen

In this section only the differences with the Birth Notification will be mentioned, knowing that we are talking about an imported animal instead of a newborn animal.

##### 3.1.1. Upper part of the screen

The screenshot shows the 'Sanitrace.Net - QAS' web application interface. The main heading is 'Maintain BirthNotification'. The form contains the following fields and values:

Notification ID	0	Facility	BE7000065	Certificate Number	
Creation Date		Sanitary Unit	BE7000065-0101	Import Country	
Notification Type	Import	Status	New	Import Date	
Animal Condition	Alive	Marking		Production Unit	7203305781
Barcode Input					

Below the main form, there are tabs for 'Details', 'VRV', 'Archive', 'Validation', and 'Status History'. The 'Details' tab is active, showing fields for 'Animal Type', 'Animal Sub Type', 'Birth Date', 'Hair Type', 'Gender', 'Animal Race Type', 'Animal Race', 'Mother', 'Conception', 'Genetic Mother', 'Multiple Birth', 'Recent Purchase', 'Nourished by mother', 'Birth Facility', 'Origin Facility', 'Visit', 'Passport Print', 'Group', 'SubGroup', 'DNA Sample', 'DNA Quality', 'Death Date', 'Premium', and 'TBC Date'. The 'Action' buttons at the bottom are 'Commit', 'Insert', and 'Cancel'.

- **Notification Type**  
Idem Birth Notification.  
Choose *Import*.

- **Animal Condition**

This field is always protected and set at *Alive*.

- **Marking**

The marking number of the imported animal. This can be a new Belgian marking number or an existing European marking number. This field can be filled in once a sanitary unit is selected. It can be filled in manually (confirm by clicking on ✓) or via the scanning of a barcode.

- **Certificate number**

Number of the certificate for the import of this animal.

- **Import Country**

Country from where the animal is imported.

- **Import Date**

Date the import took place. This field can be filled in manually or by looking up a date via the date selector (link 📅).


- **Production Unit**

The exploitation to which the animal will be added. If the selected sanitary unit has only one exploitation, then this one is filled in by default.

### 3.1.2. Detail-tab

- **Animal Sub Type**

Idem as Birth notification, but with one additional possible value : *Veal calf*.

- **Mother**  
The mother of the imported animal. The mother can only be specified manually by filling in the *country code*, the *check digit* and the *marking number*.
- **Conception**  
Not applicable
- **Genetic Mother**  
Not applicable
- **Multiple Birth**  
Not applicable
- **Recent purchase**  
Not applicable
- **Nourished by mother**  
Not applicable
- **Birth Facility**  
The (foreign) facility where the imported animal was born.
- **Origin Facility**  
The (foreign) facility where the imported animal comes from.
- **DNA Sample**  
Not applicable
- **DNA Quality**  
Not applicable
- **Death Date**  
Not applicable
- **Premium**  
With these checkboxes the user can indicate the premiums P1 and P2.
- **TBC Date**  
The date the sample for the TBC examination is taken. This field will be protected in case a vealcalf sanitary unit is selected. This field can be filled in manually or by looking up a date via the date selector (link )

### 3.1.3. VRV-tab

The screenshot shows a web browser window titled "BirthNotification Maintenance - Microsoft Internet Explorer provided by EDS COE". The address bar shows the URL: [http://qas.sanitrace.be/web/QAS\\_Sanitrace\\_Web/Pages/Notification/BirthNotificationPage.aspx?ActivityStatus=Select&Key=0](http://qas.sanitrace.be/web/QAS_Sanitrace_Web/Pages/Notification/BirthNotificationPage.aspx?ActivityStatus=Select&Key=0). The page header includes "Sanitrace.Net - QAS" and "© 2007 FAVV/APSCA -- Loaded: 20/10 16:22". The main content area is titled "Maintain BirthNotification" and contains several input fields and tabs. The "VRV" tab is selected and highlighted with a red box. Below the tabs, there are two sections: "VRV Specifications" and "Birth Specifications". The "VRV Specifications" section is also highlighted with a red box and contains the following fields:

VRV Specifications	Birth Specifications
Identificationcard VRV	Delivery
VRV Specifics	Beefability
Naming Choice	Birth Weight
Name	Survival

The "Birth Specifications" section contains the following fields:

Delivery	
Beefability	
Birth Weight	Kg
Survival	

At the bottom of the page, there is a "Logout cz43jp #" link and an "Action:" dropdown menu with options "Commit", "Insert", and "Cancel". The footer text reads: "This site is built with the EDS-SystemLib VS2005 - release 9.1".

- **VRV Specifics**  
Not applicable
- **Delivery**  
Not applicable
- **Beefability**  
Not applicable
- **Birth weight**  
Not applicable
- **Survival**  
Not applicable

## 3.2. The simplified screen

To facilitate the task of a farmer a simplified screen for the registration of an import is available in the application (from the *Farmer Menu*). This screen is just a “stripped version” of the general screen. This means that

- The difference between both screens is that some fields that are irrelevant for the farmer are hidden in simplified screen
- The logic in the background is the same for both the general screen and the simplified screen
- An import notification created in the simplified screen can also be opened in the general screen

## 3.3. Result of an import notification

### 3.3.1. Creating the new animal in the database

Once an import notification gets the status *ACCEPTED*

- the imported animal is created in the database with all the specifications from the import notification, included the import date and import country.
- it is linked to its sanitary unit
- it gets the status *In inventory of Sanitary Unit*

From then on, the animal is known in the Sanitrace application.

### 3.3.2. Status of the marking number of the imported animal

In case of the import of an animal there are three possibilities:

1) The notification concerns the import of an animal that was born in a foreign country in Europe.

In that case the animal keeps his foreign marking number. That foreign marking number is not known in the Sanitrace application as an individual marking number with a certain status. So logically there is nothing to update.

2) The notification concerns the import of an animal that was born in a foreign country outside Europe.

In that case the animal gets a new marking number. So the marking number is known in the application, and updates of the marking number status must be done as for a birth notification

3) The notification concerns the import of an animal that has already a Belgian marking number because

- the animal was born in Belgium and has then been exported afterwards, or
- the animal was imported earlier from a non-European country, got a new marking number and was exported again

In these cases the animal has already a marking number that's known in the Sanitrace application, and that has the status USED. Once it is in status USED, the status may not be update anymore by the notification

### 3.3.3. Creation of a passport

If an import notification gets the final status *ACCEPTED* and the value of *Passport Print* is equal to *Printing-urgent* or *Printing-not urgent*, then

- a passport is created for the imported animal (see manual *Creation of passports*)
- the version and the print reason are registered on the animal screen (see the manual for *Maintain Animal*). Possible values for the print reason are *Import vealcalf* (R31) in case a vealcalf is imported, and *Import* (R2) in all other cases.
- the passport gets the status *Ready for printing*

The passport is now available for printing (see manual for *Identify Passport*)

### 3.3.4. Exception : Re-import

In case an animal is exported and afterwards imported again, a specific anomaly "Re-import of an animal" will be created. The only way to get the notification in the logical *ACCEPTED* status is ignoring the anomaly (can only

be done by an anomaly administrator). But once this notification gets the ACCEPTED status the previously described impacts on the application may not take place because the animal already exists. These rare situations will be treated manually.

So the logic is:

If an **IMPORT** notification gets the status ACCEPTED and the notification has an anomaly with these specifications:

- Generated by the **system** (no manually created issue!)
- with type "re-import"
- which is **ignored** (status of the anomaly)

then, and only then, no updates in the database are executed.

### ***3.4. Merging Import notifications***

The same import of an animal on a farm can be registered by two different types of users : the farmer and the federations. The farmer has no obligation to do so, but he can use this registration as an electronic register. The federations will always register this import.

None of these users knows if the other one already registered something. To avoid the risk that a same import will be registered twice a special mechanism has been created : merging.

The idea is simple:

An import notification registered by a farmer goes to the intermediate status SUBMITTED from which the notification can only be treated by the federations. If a new import notification is registered by a federation, the system first checks if there exists a similar notification in SUBMITTED status. If so, the new notification is merged into the existing notification.

For more details about the logic behind the merging process, see the appendix of the manual for the Movement Notifications. The same merging process exists for the movement notifications of type *Arrival*, and it is described in detail in the appendix of the manual.

## 4. Rules applied to Birth and Import notifications

This overview consists of 3 parts :

- the rules common to Birth and Import notifications
- the specific rules for the Birth notification
- the specific rules for the Import notification

BIRTH and IMPORT							
Rule	Severity	ResultCode	Expression	{0}	{1}	{2}	{3}
SanitaryUnit is mandatory	1	PAMI	{0} is missing	Sanitary Unit			
Facility is mandatory	1	PAMI	{0} is missing	Facility			
Birthdate is mandatory	1	PAMI	{0} is missing	Birth Date			
Birthdate is not known (is mandatory in DB => if not known, then use 01/01/1900)	1 or 3	PAMI	{0} is missing	Birth Date			
Hairtype is mandatory, if animalcondition is not "dead, not marked"	1 or 3	PAMI	{0} is missing	HairType			
Gender is mandatory , if animalcondition is not "dead, not marked"	1 or 3	PAMI	{0} is missing	Gender			
Racetype is mandatory , if animalcondition is not "dead, not marked"	1 or 3	PAMI	{0} is missing	Race Type			
Markingnumber mother is mandatory	1 or 3	PAMI	{0} is missing	Mother Marking Number			
CountryCode mother is mandatory	1 or 3	PAMI	{0} is missing	Mother Country Code			
AnimalType is mandatory , if animalcondition is not "dead, not marked"	1 or 3	PAMI	{0} is missing	Animal Type			
Animalsubtype is mandatory , if animalcondition is not "dead, not marked"	1 or 3	PAMI	{0} is missing	Animal Subtype			
printing id is mandatory , if animalcondition is not "dead, not marked"	1 or 3	PAMI	{0} is missing	Passport Print			
receive date mandatory for federation users, if animalcondition is not "dead, not marked"	1	PAMI	{0} is missing	Receive Date			
(VRV) if RAFI-agreement with VRV at date of birth/import, Identificationcard VRV is mandatory, if animalcondition is not "dead, not marked"	1	PAMI	{0} is missing	VRV Identification Card			
(VRV) if RAFI-agreement with VRV at date of birth/import, and naming choice is "name", then Name is mandatory , if animalcondition is not "dead, not marked"	1	PAMI	{0} is missing	Name Animal			
Rendacnumber mandatory if animalcondition is "dead" for users other than Federation users	1	SUNRN	SanitaryUnit has no Rendac Number				
Rendac animaltype mandatory if animalcondition is "dead" for users other than Federation users	1	PAMI	{0} is missing	Rendac Animal Type			
Rendac Load location mandatory if animalcondition is "dead" for users other than Federation users	1	PAMI	{0} is missing	Rendac Loading Location			
if user is of type federation, then archive date is mandatory, if animalcondition is not "dead, not marked"	1	PAMI	{0} is missing	Archive Date			
Wrong value animaltype	1	WRVA	Wrong value {0}	Animal Type			
Wrong value animalsubtype	1	WRVA	Wrong value {0}	Animal Subtype			
Wrong value hairtype	1	WRVA	Wrong value {0}	HairType			
Wrong value Gender	1	WRVA	Wrong value {0}	Gender			
Wrong value racetype	1	WRVA	Wrong value {0}	Race Type			
Wrong value Printing Id	1	WRVA	Wrong value {0}	Passport Print			
Wrong value conception	1	WRVA	Wrong value {0}	Conception			
Wrong value VRV specifics	1	WRVA	Wrong value {0}	VRV Specification			

Wrong value VRV Naming Choice	1	WRVA	Wrong value {0}	VRV Naming Choice			
Wrong value VRV Delivery	1	WRVA	Wrong value {0}	VRV Delivery			
Wrong value VRV Beefability	1	WRVA	Wrong value {0}	VRV Beefability			
Wrong value VRV Survival	1	WRVA	Wrong value {0}	VRV Survival			
Wrong value Rendac Animaltype	1	WRVA	Wrong value {0}	Rendac Animal Type			
wrong value race	1	WRVA	Wrong value {0}	Race			
Birth date may not be in future	1	BDIF	Birth date ({0}) greater than creationdate ({1})	value of birthdate DD/MM/YYYY	value of creationdate DD/MM/YYYY		
Dead date may not be in future	1	DDGCD	Dead date ({0}) greater than creationdate ({1})	value of Dead date DD/MM/YYYY	value of creationdate DD/MM/YYYY		
Dead date may not be smaller than birth date	1	DDSBD	Dead date ({0}) smaller than birthdate ({1})	value of Dead date DD/MM/YYYY	value of birthdate DD/MM/YYYY		
Rendac animaltype other than 30,32,36 not possible for animaltype Bovine if animalcondition is "dead" for users other than Federation users	1	RDANP	Rendac animaltype {0} not possible for bovines	value of Rendac animaltype			
if user is of type federation, then referencenumber, external reference number or (archive+box+envelope+line) is mandatory	1	AINC	Archive information not correct				
SanitaryUnit must be linked to the facility	1	SUNFA	Sanitary unit {0} not linked to facility {1}	value of SanitaryUnit	value of Facility		
Rendac Loading Location not linked to Facility	1	RLNFA	Rendac Loading Location not linked to facility				
VRV name max 30 positions if ANVN_VDE equals 'N'	1	PATL	{0} too long. Maximum length is {1}	value of VRV Name	30		
VRV name max 4 positions if ANVN_VDE equals 'V'	1	PATL	{0} too long. Maximum length is {1}	value of VRV Name	4		
Belgian markingnumber mother not complete (9digits, check digit included)	1	MNCOM	Markingnnumber {0} not complete	Mother			
Belgian Markingnumber mother should be numerical	1	FMNC	Format markingnumber {0} of {1} not correct	countrycode+checkdigit+marknbr of mother	Mother		
Markingnumber mother other european country should follow the structure : mact + max 12 digits alfanumeriek	1	FMNC	Format markingnumber {0} of {1} not correct	countrycode+checkdigit+marknbr of mother	Mother		
Belgian markingnumber genetic mother not complete (9digits, check digit included)	1	MNCOM	Markingnnumber {0} not complete	Genetic Mother			
Belgian Markingnumber genetic mother should be numerical	1	FMNC	Format markingnumber {0} of {1} not correct	countrycode+checkdigit+marknbr of genetic mother	Genetic Mother		
Markingnumber genetic mother other european country should follow the structure : mact + max 12 digits alfanumeriek	1	FMNC	Format markingnumber {0} of {1} not correct	countrycode+checkdigit+marknbr of genetic mother	Genetic Mother		
Printing must be urgent/not urgent if animalcondition = Alive	1	WRVA	Wrong value {0}	Passport Print			
<b>BIRTH Rule</b>	<b>Severity</b>	<b>Code</b>	<b>Expression</b>	<b>{0}</b>	<b>{1}</b>	<b>{2}</b>	<b>{3}</b>
Wrong value animal condition (only dead born marked, dead born not marked, alive)	1	WRVA	Wrong value {0}	Animal Codition			
dna quality, wrong value, if animalcondition is not "dead, not marked"	1	WRVA	Wrong value {0}	DNA Quality			
Animalcondition is mandatory	1 or 3	PAMI	{0} is missing	Animal Condition			
Conception is mandatory , if animalcondition is not "dead, not marked"	1 or 3	PAMI	{0} is missing	Conception			
If DNA sample is checked, then DNA quality is mandatory, if animalcondition is not "dead, not	1	PAMI	{0} is missing	DNA Quality			

marked"							
Markingnumber is mandatory if animalcondition different from "dead not marked"	1	PAMI	{0} is missing	Marking Number new animal			
Countrycode is mandatory if animalcondition different from "dead not marked", if animalcondition is not "dead, not marked"	1	PAMI	{0} is missing	Contry Code New Animal			
Check digit is mandatory if animalcondition different from "dead not marked"	1	PAMI	{0} is missing	Check Digit New Animall			
Dead date mandatory if animalcondition is "dead"	1 or 3	PAMI	{0} is missing	Death Date			
Markingnumber must belong to the stock of the sanitary unit (to test with new created notif and when markingnumber in an existing notif is changed)	1	MNISS	Markingnumber {0} not available at the S.U. {1}	countrycode+checkdigit+marknbr calf	Value of SanitaryUnit		
Birthnotification should be created within 7 days after the birthdate	5	BNTL	Birthnotification too late ({0} days)	CreationDate minus BirthDate			
Mother should be in the sanitary unit (status "in inventory" or "in quarantaine")	3	MNISU	Mother {0} not present in SU ({1}) at birthdate	countrycode+checkdigit+marknbr mother	SU of mother		
Recent purchase of mother must be indicated as anomaly with low severity	4	RPMO	Recent purchase of mother {0} Registered at SU {1}	countrycode+checkdigit+marknbr mother	SU of mother		
Mother should be female	3	MNFM	Mother {0} is not female	countrycode+checkdigit+marknbr mother			
Mother must be old enough at least 15 months)	3	MTY	Mother {0} with birthdate {1} is too young	countrycode+checkdigit+marknbr mother	birthdate mother DD/MM/YYYY		
Period between 2 births with the same mother should be less than 5 days or more than 9 months	3	PBL9M	Prev. birth ({0}/{1}) less than 9m in the past {2}	SU previous birth	markingnbr previous calf	birthdate previous calf DD/MM/YYYY	
Period between 2 births with the same mother is less than 5 days and checkbox "multiple birth" is not checked	3	MBNS	Multiple birth with {0} on {1} not specified	markingnbr previous calf	birthdate previous calf DD/MM/YYYY		
Period between 2 births with the same mother is less than 5 days and checkbox "multiple birth" is checked	5	MUBI	Multiple birth with calf {0}	countrycode+checkdigit+marknbr previous calf			
Genetic mother should be female	3	GMNF	Genetic mother {0} is not female	countrycode+checkdigit+marknbr genetic mother			
Genetic mother and mother may not be the same	1	GMSAM	Genetic mother {0} is the same as the mother {1}	countrycode+checkdigit+marknbr genetic mother	countrycode+checkdigit+marknbr mother		
The SU may not be of type vealcalf	1	SUNV	The sanitary unit may not be of type "vealcalf"				
There exists already an animal with this markingnumber	1	ANEA	The animal {0} exists already	countrycode+checkdigit+marknbr calf			
Animalsubtype may not be "vealcalf"	1	ASNV	Animalsubtype may not be "vealcalf"				
Gender can only be male or female	1	GNPAB	Gender {0} not possible at birth	Gender			
werknummer kalf onvolledig (9cijfers) als niet dood not marked	1	MNCOM	Markingnnumber {0} not complete	Markingnbr newborn calf			
Certificat number not allowed	1	OPFI	{0} only possible for import notification	Certificate Number			
Import country not allowed	1	OPFI	{0} only possible for import notification	Import Country			
Import date not allowed	1	OPFI	{0} only possible for import notification	Import Date			
Birth Facility not allowed	1	OPFI	{0} only possible for import notification	Birth Facility			
Previous Facility not allowed	1	OPFI	{0} only possible for	Origin Facility			

P1 and/or P2 not allowed	1	OPFI	import notification {0} only possible for import notification	P1			
VRV Birth weight between 0 and 99	1	WRVA	Wrong value {0}	VRV Birth Weight			
Belgian Markingnumber should be numerical	1	FMNC	Format markingnumber {0}	countrycode+checkdigit+marknbr			
TBC-date not allowed	1	OPFI	of {1} not correct {0} only possible for import notification	TBC Date			
Mother not known in the database	1	MOUNK	Mother {0} not known in the database	countrycode+checkdigit+marknbr mother			
<b>IMPORT Rule</b>	<b>Severity</b>	<b>OldCode</b>	<b>Expression</b>	<b>{0}</b>	<b>{1}</b>	<b>{2}</b>	<b>{3}</b>
Import country is mandatory	1 or 3	PAMI	{0} is missing	Import Country			
Import date is mandatory	1 or 3	PAMI	{0} is missing	Import Date			
Birth facility is mandatory	5	PAMI	{0} is missing	Birth Facility			
Previous facility is mandatory	5	PAMI	{0} is missing	Origin Facility			
Certificat is mandatory	1 or 3	PAMI	{0} is missing	Certificate Number			
Markingnumber is mandatory	1	PAMI	{0} is missing	Marking Number new animal			
Countrycode is mandatory	1	PAMI	{0} is missing	Contry Code New Animal			
Import date must be greater than birth date	1	IDBBD	import date ({0}) may not ly before birth date ({1})	importdate DD/MM/YYYY	birthdate DD/MM/YYYY		
Import date may not be in future	1	IDIF	import date ({0}) may not ly after creationdate ({1})	importdate DD/MM/YYYY	creationdate DD/MM/YYYY		
re-import, the animal exists already	3	RAEA	Re-import.Animal {0} left SU {1} on {2}	countrycode+checkdigit+marknbr imported animal	laatste SE	laatste vertrekdatum	
Countrycode must be EU	1	CMNE	Countrycode markingnumber {0} not EU	countrycode+checkdigit+marknbr imported animal			
Format previous facility code not correct (country code + 12 digits)	1	NBFNC	Number previous facility {0} not correct	code previous facility			
P1 only possible for male animals	1	P1OMA	P1 only possible for male animals				
P2 only possible for male animals	1	P2OMA	P2 only possible for male animals				
Mother should be female	3	MNFM	Mother {0} is not female	countrycode+checkdigit+marknbr mother			
Mother must be old enough at least 15 months)	3	MTY	Mother {0} with birthdate {1} is too young	countrycode+checkdigit+marknbr mother	birthdate DD/MM/YYYY		
Period between 2 births with the same mother should be less than 5 days or more than 9 months	3	PBL9M	Prev. birth ({0}/{1}) less than 9m in the past {2}	su vorige geboorte	markingnummer vorig kalf	birthdate previous calf DD/MM/YYYY	
Period between 2 births with the same mother is less than 5 days	3	PBL5D	Prev. birth ({0}/{1}) less than 5 days in the past {2}	su vorige geboorte	markingnummer vorig kalf	birthdate previous calf DD/MM/YYYY	
Multiple birth not allowed	1	OPFB	{0} only possible for birth notification	Multiple Birth			
Recent purchase mother not allowed	1	OPFB	{0} only possible for birth notification	Recent Purchase Mother			
Suckle mother not allowed	1	OPFB	{0} only possible for birth notification	Suckle Mother			
Animal conception not allowed	1	OPFB	{0} only possible for birth notification	Conception			
Genetic mother not allowed	1	OPFB	{0} only possible for	Genetic Mother			

Dna sample not allowed	1	OPFB	birth notification {0} only possible for birth notification	DNA Sample			
Dna quality not allowed	1	OPFB	{0} only possible for birth notification	DNA Quality			
VRV Specifics not allowed	1	OPFB	{0} only possible for birth notification	VRV Specification			
VRV birth ease not allowed	1	OPFB	{0} only possible for birth notification	VRV Delivery			
VRV beefability not allowed	1	OPFB	{0} only possible for birth notification	VRV Beefability			
VRV birth weight not allowed	1	OPFB	{0} only possible for birth notification	VRV Birth Weight			
VRV survival not allowed	1	OPFB	{0} only possible for birth notification	VRV Survival			
Wrong Format certificat (alfanumeriek max 30 posities)	1	WRFO	Wrong format for {0}	Certificaat			
Belgisch werknnummer onvolledig (9cijfers met check digit erbij)	1	MNCOM	Markingnnumber {0} not complete	New Animal			
Belgian Markingnumber should be numerical	1	FMNC	Format markingnumber {0} of {1} not correct	countrycode+checkdigit+marknbr	New Animal		
Markingnumber other european country should follow the structure : mact + max 12 digits numeriek	1	FMNC	Format markingnumber {0} of {1} not correct	countrycode+checkdigit+marknbr	New Animal		
PostDate may not be smaller than ImportDate	1	PDBID	Postdate ({0}) before Importdate ({1})	value of postdate dd/mm/yyyy	value of importdate dd/mm/yyyy		
Receive Date may not be smaller than Import Date	1	RDBID	Receivedate ({0}) before Importdate ({1})	value of receivedate dd/mm/yyyy	value of importdate dd/mm/yyyy		
TBC-date must be greater than Import date	1	TBCBI	TBC date ({0}) before Importdate ({1})	value of TBC Date dd/mm/yyyy	value of importdate dd/mm/yyyy		
TBC-date must be greater than birth date	1	TBCBB	TBC date ({0}) before Birthdate ({1})	value of TBC Date dd/mm/yyyy	value of birthdate DD/MM/YYYY		
TBC-date mandatory if bovines, not of type vealcalf en als animalcondition = alive (for Belgium, not for luxemburg)	1	PAMI	{0} is missing	TBC Date			
if importconuntry is not EU, then mact code of new animal must be BE or LU (of the default country)	1	WRVAI	Wrong value for {0}. Allowed value(s): {1}	MarkingCountryCode	default value for the country where the application is running (LU or BE)		
diersubtype vleeskalf enkel toegelaten als bedrijf vleeskalverij is.	1	PANA	{0} not allowed	AnimalSubType Vealcalf			
Exploitation is mandatory in case of a shared sanitary unit	1	PAMI	{0} is missing	Exploitation			
foutmelding als dier al bestaat in de DB zonder dat het de status Exported heeft	3	REWES	Animal {0} exists already but has no exported status	countrycode+checkdigit+marknbr imported animal			
als dead date ingevuld is, dan moet dead date groter zijn dan import date	1	DABDA	{0} ({1}) before {2} ({3})	countrycode+checkdigit+marknbr imported animal	value of death date dd/mm/yyyy	ImportDate	value of importdate dd/mm/yyyy
als animalcondition = levend, dan dead date not allowed	1	PANA	{0} not allowed	Death Date			
als animalcondition = dood, dan dead date verplicht	1	PAMI	{0} is missing	Death Date			
animalcondition is mandatory	1	PAMI	{0} is missing	AnimalCondition			
Animalcondition must be "ALIVE"	1	VMUSB	{0} must equal "{1}"	AnimalCondition	Alive		
Animalsubtype must be vealcalf if SU is a vealcalf unit	1	PANFA					