Introducing VANESA 4

The BSMS Data management System

Data Entry Training Manual
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1.0 Using the Internet

1.1 Hospital Network Security

In order to prevent unauthorised users accessing your hospitals data and either stealing it or inserting a virus, some form of security system needs to be employed, today this will usually take the form of a firewall either in the form of software or hardware. It should be noted that hospitals are legally obliged to be good and safe custodians of any sensitive/confidential data they hold such as patient’s records etc by the Data Protection Act and the Computer Misuse Act.

An unfortunate consequence of this obligation was to prevent Internet access by hospital staff, on the basis that if staff could not access the Internet they couldn’t pick up any malicious codes or viruses. This led to hospitals using NHSNet as the only secure gateway out from the hospital. However, as time has gone on more and more Internet access has become required in order for a hospital to function effectively and meet government directives, a good example of this being the BSMS website and the VANESA application.

Some hospitals have moved with the times employing proven sophisticated commercial firewalls which allow access to the Internet via the hospital network on a per individual, per department or per machine basis. Effectively the firewall is aware of a number of “safe” websites which it can allow access to if the appropriate internal security policies are met, i.e. if a suitable password is entered.

The BSMS website should, for optimal connection, be accessed in the following way, http://www.bloodstocks.co.uk. Any other form of connection should be questioned with your local IT department, particularly, if you are still using NHSNet as your gateway. As part of Better Blood Transfusion 3 (Health Service Circular 2002/009) active membership of the BSMS is encouraged, as well as, appropriate support from hospital IT departments. This message may not have reached all the individuals necessary, to enable fast, reliable and easy access to the BSMS website.

What does this have to do with making the most of the BSMS VANESA system? Quite simply, VANESA being web based, requires that you are able to make an easy, fast and reliable connection to the site in order to make data input as straightforward as possible as well as allowing you to utilise the in-built data analysis tools effectively. Therefore if you have a basic understanding of how the link is meant to work then hopefully you together with your hospital IT departments can ensure that you are able to access the site in the most efficient manner possible.

Hospitals should not be taking longer than 5 seconds to make a connection, which should be via the suggested web address. If it takes longer then either the hospital firewall or Internet gateway is restricting access to the site another possibility is that the trust has limited Internet bandwidth. Your first point of contact should be your local hospital IT department, however, if you fail to get a successful resolution to the problem then please feel free to contact Clive Hyam of the BSMS team on 0208-957-2935 who will be happy to discuss the problem, with you and your IT department if necessary.

VANESA 4 will differ from previous versions in that it will work in a variety of web browsers

Internet Explorer Versions 7 or above (although 8 or above will be better)
Mozilla Firefox
Google Chrome
Safari (for iPads)
2.0 Using VANESA

2.1 The Home Page & Accessing the System

VANESA is accessed from the BSMS Website by left clicking the go to VANESA link, which can be found below the navigation bar options on the left hand side of any website page, and is illustrated on the left.

Below is shown the VANESA Splash page

The screen-shot above shows the new splash page for VANESA 4. If you have a username and password simply fill in the relevant boxes and click submit. We would not recommend ticking the remember me next time box as you will be required to fill in the old password each time it expires as part of the change password screen.

2.2 Forgotten Password

If you have forgotten your password simply click the Forgotten password? option, the screen shown below will then appear.

You will then be required to enter your username and click the submit button. The following screen will then appear
In order to complete the request you MUST successfully answer the security question. Failure to do so will result in the password reset request being rejected. If you successfully answer the question then an email will be sent to the email address attached to the VANESA account. The email will contain a new password and a link to VANESA to enable you to gain entry.

Once you have successfully entered you can reset your information by selecting **My Details** from the drop down attached to the log in.

Two options appear one to **change my password** and the other to **change my security question and answer**.

We would recommend that the password is changed to something that is more memorable to the local users of the system. The advice on the security question and answer would be to treat it as if it were attached to a bank account i.e. memorable to you but not easily guessed by anyone else. Please note that who ever requests a password reset the email will only be sent to the email account attached to the VANESA account.
2.3 New VANESA Account Requests

If hospitals require extra VANESA accounts then they can simply be applied for by clicking the Register option. The screen appears which the prospective user has to fill out. Then click create.

Please note, ONLY a hospital, nhsnet, or other recognised official email will be accepted. NOT PUBLIC systems like hotmail, gmail etc

If registration is successful VANESA displays the following page, stating that an email has been sent to you with an activation code.

Follow the link in the email to activate the account. The new user will not be able to access the new account until authorised by the BSMS.

A Second email will be sent when this process has been completed

When the new VANESA account has been approved by the BSMS, a second email will arrive stating that your account permissions have changed.

Click on the link, then enter your account (user) name and password to gain access to VANESA, where you will be able to view your hospital, centre and blood service details.

Once successfully logged on select My Details from the drop down associated with the sign on to change the password to something more memorable.
2.4 The Tab System

The icon bar on VANESA 3.2 has been replaced with a tab system, which is more up to date and used extensively on other web sites. Hovering over a tab shows any second level tab choices click on the tab with the choice you require and the linked page will be shown. The screen shot below results from hovering over the Adult Red Cells tab which reveals a choice of two second level tabs Data Entry and Data Analysis. Moving the cursor down to the Data Entry tab reveals four final data entry options moving the cursor to the right selects Hospital Red Cell Stock which then has a red line displayed at the bottom of the cell to indicate its selection. Clicking on this tab will then directly take you to the red cell stock entry page for the current date. VANESA 4 uses red to indicate red cells, yellow to indicate platelets and blue to indicate frozen products.

3. The hospital activity status of the selected hospital is displayed by activity, if the activity is complete i.e. data present for the last month of activity monitoring, that activity is shown in black text on a green background. However, should the hospital have failed the activity for that month then the activity is shown as white text on a red background.

2.5 Messages and Announcements

This has been completely overhauled for VANESA 4, up to two, time limited messages can now be displayed to all users of the scheme. Should there be no messages then a banner stating No new messages and announcements will be displayed.

2.6 Blood Service Stock Figures

The stock holding figures as of 8 am for the blood service linked to the account should be displayed as a total and by group for both adult red cells plus LVT's and adult platelets, the red cell data is also displayed as an ISI (number of days worth of stock held). The total red cell stock holding for the previous six months on a daily basis is also displayed graphically. This information is provided for your information only, and can not be altered. Each hospital should have its supplying blood service’s data displayed.
2.7 Forms Option

The screen shot below shows that the **Forms** option is now attached to the drop down options linked to the sign on.

Each of the three forms can be selected from the **Forms** sub section.

All forms are designed to be printed out locally and then completed by hand before faxing or scanning and emailing to the BSMS office.
Form, once completed to be faxed to the BSMS office on 0845 607 1414, or scan and email to bsms@nhsbt.nhs.uk
The change hospital contact details form is shown. Please ensure that only one red box is ticked to nominate the main contact for the Blood Stocks Management Scheme.

<table>
<thead>
<tr>
<th>Full Hospital Name:</th>
<th>Main Hospital Tel:</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
</tr>
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</table>

<table>
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<tbody>
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<table>
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<th>Name of Transfusion Laboratory Manager:</th>
<th>Tel:</th>
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<table>
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<tr>
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<th>e-mail:</th>
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<td></td>
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<table>
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<tr>
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<table>
<thead>
<tr>
<th>Department:</th>
<th>Postal Address:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(if different from hospital address)</td>
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<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of Hospital Transfusion Practitioner:</th>
<th>Tel:</th>
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<table>
<thead>
<tr>
<th>Name of other BSMS Contact (if required):</th>
<th>Tel:</th>
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<table>
<thead>
<tr>
<th>Job Title / Responsibility:</th>
<th>Fax:</th>
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<table>
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<th>e-mail:</th>
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<table>
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<tr>
<th>Postal Address:</th>
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<tr>
<th>(if different from hospital address)</th>
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<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Does the hospital have a Transfusion Committee (HTC)?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
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<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Does the HTC monitor wastage?</th>
<th>Yes</th>
<th>No</th>
</tr>
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<tbody>
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<td></td>
<td></td>
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</tbody>
</table>

Once completed print using the 'Print Form' button below and fax to 0845 607 1414
The update move to list form is used to inform the BSMS of which hospitals you routinely move blood to. That is red cell stock units and NOT units that you cross-match for another hospital.

Simply enter your hospital details together with the name of the hospital you want added to the move to list.

### 2.8 Selecting the hospital

This section covers the situation where one account may be linked to multiple hospitals, for example the trust has one account that covers two or more hospitals. In the situation where one hospital has edit privileges and the other has view only privileges the one having the edit privileges will be the default. If all attached hospitals are view only then the first alphabetically will be the default.
Below is a screen shot of a standard user account with two hospitals attached this screen results when the **Assign** button next to the current hospital is clicked offering the other hospitals attached to the account.

### 2.9 Data entry periods

A standard VANESA user can enter data into any page for a period of up to three calendar months from the current date, as an example, if the current date is May 2nd then data can be entered for any date back to 1st February. Should data need to be entered for a period greater than 3 months from the current date then contact the BSMS office by email (**BSMS@nhsbt.nhs.uk**) stating the name of the VANESA account and a message asking for conversion to poweruser. We will action this and email you back, the poweruser status enables data entry over any time period and is valid for 7 days after which the account will automatically revert to a standard user.

If you hover over the poweruser legend, the expiry date on which the account will revert to standard user is displayed.
3.0 Hospital Data Entry

This section contains information on how to use the data entry screens associated with red cells, platelets and frozen products. VANESA is designed with a consistent look and feel which means that buttons and calendars work in the same way in all data entry screens, so before dealing in detail with each screen in turn a discussion of how the calendars and buttons work is appropriate.

3.0.1 VANESA Calendars

There are two types of calendar associated with each data entry screen, a monthly pop up that be activated by clicking the calendar icon next to the date field and a yearly calendar that is accessed by a link.

VANESA defaults to the current date but this can be changed by typing the required date into the field (In dd/mm/yyyy format), by clicking the show calendar icon or clicking the show yearly calendar link which opens a 12 month calendar in a new page. However, please remember you can not enter data that is more than three months old, unless you first talk to the BSMS office who are able to temporarily allow a user to enter data over any time span by giving them poweruser status.

Clicking the calendar icon displays the current month, any date coloured pink indicates data has been entered for that date.

Click on any date to select, the screen will refresh and the data entry screen displayed will now be for that chosen date.

Controls within the calendar, both drop downs and side arrows allow easy navigation to any particular month.

On the 12 month calendar page, you will notice that various dates are also highlighted in different colours, the dates in pink indicate dates on which information was entered, the date in mid brown is the current date, whilst the date in dark yellow with a red boarder is the date that has been selected. A key towards the top of the page clarifies this, see illustration below.
As the calendars are individually associated with each data page the amount of data entry (or not) can be quickly ascertained.

### 3.0.2 VANESA Buttons

Within VANESA 4 for data entry, up to 3 buttons can be found, on the wastage screens there are Submit, Reset and Zero Wastage buttons all other screens for data entry just have a submit button. All are coloured green and have white text. The function of these buttons is as follows.

- **Submit** – this submits data to the VANESA database
- **Reset** – Reverts the data entries in all fields to zero
- **Zero Wastage** – This enables a hospital to positively identify time periods where there is zero wastage.

Additional buttons that can be found in data analysis screens will be discussed in that manual.

### 3.1 Red Cell Stock Entry

Using the tab system select **Hospital Red Cell Stock** from the **Data Entry** sub tab linked to the **Adult Red Cells** tab. The red lines indicate the chosen or active tabs.
A typical daily stock entry screen is shown below. Note how the table is coloured red.

The first thing to notice is that there are three types of fields that you are able to enter data in and they are all coloured white. The fields are Date, Issuable Stock and Comments.

Now you are ready to enter data. An issuable stock field is provided for each of the ABO Rh group combinations issued. **Issuable stock** is the number of unreserved ADULT units available for cross matching. Note that only adult red cell units should be entered onto VANESA, as the BSMS does not currently monitor paediatric units, (with the exception of large volume paediatric units for hospitals served by NHSBT product codes 0X25 and GX25) The data should be collected after stock dereservation and immediately before the main order of the day is placed with the blood service. If that time is inconvenient for entering data make a written note and then enter at a more convenient time.

The final field for which you can enter data in is the comments field, this is designed for you to enter any unusual problems you may have affecting your current stock situation or any extra information that would be useful. Remember the scheme is there to help you with your inventory management.
A change with VANESA four is that any comment made disappears once the green submit button is pressed.

In order to see any previous comments made on that date, click on Show Previous Comment link and all attached comments will be displayed between the link and the submit button, see screen shot below.

The Show Previous Comment link becomes a Hide Previous Comment link. Any comments made are shown in a grey block between the link and the Submit button.

Only click the Submit button when all the data has been correctly entered, this sends the data to VANESA and updates your file. In routine use if you find that incorrect data has been entered for a particular date then you can simply over-write it by re-submitting the correct data as VANESA only displays the most recent version, providing the date does not fail the three month rule.

The other fields that make up this screen are a combination of calculated fields and static data fields. A brief explanation of each will now follow.

### 3.1 Ideal Stock

This is the hospital's ideal stock level, as given in the registration questionnaire; this can be changed later on request, by faxing/emailing amended details to BSMS.

### 3.1.2 Nominal Stock

This is the average daily issues calculated from the previous six months issue data. It is recalculated for each month and approximates to one day's worth of hospital stock.

### 3.1.3 Issuable Stock Index

This is another calculated field, the result of dividing the issuable stock by the nominal stock, e.g. issuable stock = 60, nominal stock = 20, ISI = \( \frac{60}{20} = 3.0 \). The ISI updates as soon as the issuable stock value is changed. If the value is >20 then a warning message is displayed. In the example quoted the issuable stock would have to be greater than 400 to trigger this warning i.e. \( \frac{400}{20} = 20.05 \).

### 3.2 Red Cell Wastage Entry

Wastage figures should preferably be entered on a daily basis. If daily wastage data is not available then red cell wastage data may be entered as a total monthly figure on the last day of the month for which the figures are relevant. Shown below is the red cell wastage screen. With the VANESA software it is possible to select your wastage preference, this can be viewed by clicking the ‘Edit hospital profile icon’ if you wish to change your preference you will need to contact the BSMS office. Below is shown the selection of red cell wastage using the new tab system.
Should you decide to enter wastage on a monthly basis a message will appear just under the date stating that you have chosen to enter your data monthly and all dates other than the last day of the month will be disabled.

As well as the message VANESA disables all date fields except the last day of the month. This means that it is only possible to enter wastage data on the last day of the month. The screen shot below which features Cheltenham General Hospital, shows that this hospital's preference is to enter red cell wastage daily as it occurs.

Note that again the table background is red adding a further visual indication that this is a red cell data entry screen.

Again the fields that can be interacted with are white and are the selection of the date, entering of red cell wastage by blood group and reason and the comment field.

The screen shown is for the last day of the month, there was no wastage entered for this date with the month total and WAPI representing the month's wastage.

The Submit button works as already described, reset effectively resets all the data entry options to zero.

Zero wastage button is for hospitals to indicate positively that they have had no wastage.

The Submit and Reset buttons are present together with a Zero Wastage button; this latter button enables a hospital to positively submit zero wastage either on a daily or monthly basis. The zero wastage button should be used on the last day of the month to indicate there was no wastage for that month if VANESA is configured for monthly data entry, should the data entry choice be for daily then in the situation of no actual wastage the zero wastage button must be clicked against at least
one date within the month, alternatively a wastage entry could be made every day with the zero wastage button clicked in the event of no actual wastage.

This only leaves the actual number of red cells wasted to be input, this data is entered by group and reason. There are four possible reasons given.

1) **TIMEX** used for time expired units,
2) **OCTOL** used when a unit has gone out of temperature control outside the laboratory (i.e. failure of the thirty minute rule),
3) **MISC** used for miscellaneous reasons, please add free text comment explaining the reason for wastage (i.e. ward punctured bag),
4) **FF** used when units have to be discarded as a result of a fridge failure.

To actually enter wastage data position the cursor over the appropriate field, left click the mouse then enter the number. A warning message will be displayed if the number entered is greater than nine; this is an attempt to prevent incorrect data entry. Repeat the process if necessary or use the tab key to move to next field.

Should you forget what any of the wastage codes stand for; using the mouse, hover the cursor over the code and then an explanation of what it stands for will be displayed, see illustration below.

The remaining fields are calculated fields, a brief description of each follows.

**3.2.1 Day Total**

The total number of red cell units wasted by blood group for the assigned date, are displayed. A total for all blood groups as well as sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

**3.2.2 Month Total**

This is the total wastage for the current month by blood group. Again, sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

**3.2.3 WAPI (Wastage as a percentage of net issues)**

WAPI for the current month by blood group and a total for the month plus sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

**3.3 Red Cell Movement Entry**

This page is for the use of hospitals that routinely send blood to other hospitals within the scheme. This is a facility that needs to be set up by the BSMS team, if you need to activate this facility, email or fax the completed ‘Change Move to List’ form. Please note this page should not be used for blood that is moved to another hospital knowing that it will be sent back by the receiving hospital if it is not used. The screen shot below shows how to access this option via the tab system.
The screen shot below is of the actual red cell movement data entry page. VANESA 4 has a comment field attached to this screen as well as two new buttons one to indicate stock moves (Stock Moved) and one for situations where blood is moved with a patient (Patient Moved). The screen shot indicates the situation when the stock moved button has been clicked. It is possible to add additional free text if required.

Again, hospital name, date, and set date function work as previously described. To enter the data simply type in the number of units of the appropriate group that were sent to the receiving hospital listed.

### 3.4 Red Cell Transfused Entry

This page is used to record the number of units that have been transfused, by group and by time period. With the VANESA software it is possible to enter data on either a monthly or daily basis. If you elect to enter data monthly then all dates except the last day of the month will be inactivated, thus preventing accidental multiple monthly returns appearing in the same month.
Keeping up the theme of VANESA’s consistent look and feel between data entry screens, if you elect to use VANESA in monthly data entry a message will appear towards the top of the red cell transfused screen informing you, as is shown below.

Below is shown the actual data entry screen for red cell transfused showing that the data is entered by group.

That now concludes the discussion of the Red cell data entry screens.
3.5 Platelet Wastage Entry

Below is shown the tab selection of adult platelet hospital wastage, note the use of yellow to indicated platelet related data. As with red cells, wastage figures should preferably be entered on a daily basis. Again, if this is not possible they can be entered as a total monthly figure on the last day of the month for which the figures are relevant.

With the VANESA software it is possible to select your wastage preference. If you want to enter wastage on a monthly basis a message will appear towards the top of the wastage screen as shown below.

As well as the message VANESA disables all date fields except the last day of the month. This means that it is only possible to enter wastage data on the last day of the month. The screen shot below which features Cheltenham General Hospital, shows that this hospital’s preference is to enter platelet wastage daily as it occurs.
Hospital name, date, set date, and comments fields work in the way previously described. As with Red Cell Wastage there is a button, called **zero wastage**, clicking this enables hospitals to positively notify the blood stocks management scheme of zero platelet wastage, again this can be used on a daily or monthly basis. Platelet wastage data is collected according to six categories.

1) **MONU** Ordered for a medical patient, but then not required and wasted. Procedures such as the insertion of a Hickman line should be included in this category.

2) **SONU** Ordered for a surgical patient, but then not required and wasted.

3) **STEX** Used by hospitals holding stock that time expires.

4) **WOL** Platelets taken from the laboratory and left on the ward/ theatre unused and wasted as a result.

5) **WI** Platelets imported from another hospital, sometimes with a patient, but then not used and wasted.

6) **MISC** Any other reason, use the comments box to specify.

There has been some confusion expressed by users with regard to the use of these codes and by way of advice in the use of wastage codes for platelets, the wastage reason associated with the first patient or purpose allocated to the unit should be the reason for that unit’s wastage. For example if a platelet is ordered as stock but then is allocated to a haematology patient but expires before transfusion the wastage code attached should be STEX rather than MONU.

The cursor is moved to the appropriate field then the mouse is left clicked to select; the number is then typed in. This procedure is repeated until all wastage has been entered, it is also possible to use the tab key to move to the next field.

If you can’t remember what the various wastage codes stand for then use the mouse to hover the cursor over the code and a small text box will appear to give a full description, see illustration below. This is another illustration of the same look and feel employed throughout VANESA; this is a mirror of the function used in red cell wastage.
The remaining fields are calculated fields, a brief description of each follows.

3.5.1 Day Total
The total number of red cell units wasted by blood group for the assigned date, are displayed. A total for all blood groups as well as sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

3.5.2 Month Total
This is the total wastage for the current month by blood group. Again, sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

3.5.3 WAPI (Wastage as a percentage of net issues)
WAPI for the current month by blood group and a total for the month plus sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

3.6 Platelet Movement Entry
This page is for the use of hospitals that routinely send blood to other hospitals within the scheme. This is a facility that needs to be set up by the BSMS team, if you need to activate this facility email or fax the completed ‘Change Move to List’ form. The screen shot below shows how to access this option via the tab system.

The screen shot below is of the actual platelet movement data entry page.
VANESA 4 has a comment field attached to this screen as well as two new buttons one to indicate stock moves (Stock Moved) and one for situations where blood is moved with a patient (Patient Moved). The functionality of these buttons is the same as previously described for red cells.

It is possible to add additional free text if required.

4. If no platelet movements are set up for your hospital a message will appear stating that no updates have been found as shown below.

3.7 Frozen Products - Introduction

This represents a completely new area of data collection for the blood stocks management scheme and the first time that aggregations have been used to produce categories within a product type. The frozen products that the scheme will collect data on are as follows:

- Adult FFP (Fresh Frozen Plasma)
- Paediatric FFP which will include neonatal products as well
- Adult pooled CRYO
- Paediatric single CRYO
- Commercial SDFFP (solvent detergent treated FFP) e.g. Octaplas
Frozen products will follow platelets in data required by the scheme, i.e. any movements and wastage by reason. All frozen products will be aggregated by ABO group only, i.e. products will be either group O, group A, group B or group AB.

Any hospital wishing to collect data on commercial SDFFP can receipt there stock as it arrives using the receipt page, this will enable VANESA to calculate a WAPI.

**PLEASE NOTE: STOCK LEVELS FOR FROZEN PRODUCTS WILL NOT BE COLLECTED.**

All pages relating to frozen products will be highlighted in blue.

### 3.7.1 Frozen Products – Movements

The movement’s facility is identical for all frozen product categories so will be dealt with in general terms just once. Below is shown the Tab selection of adult FFP movement.

- **NOTE THE GROUPS FOR FROZEN PRODUCTS ARE GROUP O, GROUP A, GROUP B AND GROUP AB.**

- **VANESA 4 has a comment field attached to this screen as well as two new buttons one to indicate stock moves (Stock Moved) and one for situations where blood is moved with a patient (Patient Moved). The functionality of these buttons is the same as previously described for red cells.

- It is possible to add additional free text if required.

5. If no movements for frozen products are set up for your hospital a message will appear stating that no updates have been found as shown below.
3.7.2 Adult FFP - Wastage

Below is showing the tab selection of adult FFP hospital wastage, note the use of blue to indicate frozen product related data. There is an extra level of tabs to cater for the various aggregations of frozen products. Data can be entered on either a daily or monthly basis, contact BSMS office if a change is required. If data is entered monthly then only the last day of each month will accept data.

With the VANESA software it is possible to select your wastage preference. If you want to enter wastage on a monthly basis a message will appear towards the top of the wastage screen as shown below.
As well as the message VANESA disables all date fields except the last day of the month. This means that it is only possible to enter wastage data on the last day of the month. The screen shot below which features Gloucester Royal Hospital, shows that this hospital’s preference is to enter wastage daily as it occurs.

![Blood Stocks Management Scheme](image)

**Blood Stocks Management Scheme**

Select the date you wish to enter data for

<table>
<thead>
<tr>
<th>Hospital</th>
<th>TIMEX</th>
<th>SDL</th>
<th>PTPRO</th>
<th>TTMH</th>
<th>TTNTMH</th>
<th>FZF</th>
<th>MIS</th>
<th>Day Total</th>
<th>Month Total</th>
<th>WAPI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grp O</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Grp A</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Grp B</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Grp AB</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Total</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.00</td>
</tr>
<tr>
<td>Total A,B &amp; O</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Enter a comment

**Hospital name, date, set date, and comments fields work in the way previously described. As with Red Cell Wastage there is a button, called zero wastage, clicking this enables hospitals to** positive notify the blood stocks management scheme of zero wastage (in this case for Adult FFP), again this can be used on a daily or monthly basis. Frozen Product wastage data is collected according to seven categories.

1) **TIMEX** Used for units that have become time expired.
2) **SDL** Used for units that are either Split Damaged or Leaked.
3) **PTPRO** Used for units Pre Thawed for a Protocol and not used.
4) **TTMH** Used for units Thawed for a Trauma patient / major haemorrhage and not used.
5) **TTNTMH** Used for units Thawed for a NON Trauma patient / major haemorrhage and not used.
6) **FZF** Used for a Freezer failure resulting in loss of product.
7) **MISC** Used for Any other reason, use the comments box to specify.

Some of these are readily understandable TIMEX, FZF (Freezer failure) and MISC (Miscellaneous) are used in the same context as that for red cells, obviously, a freezer failure for frozen products equates with a fridge failure for red cells.

SDL – Split / Damaged / Leaked should be used for any units that are lost as a result of being damaged in storage.
PTPRO – Pre Thawed for a Protocol (i.e. NOT FOR A NAMED PATIENT) should be used for units that are routinely thawed as part of a protocol and are unable to be used before there 24 hour shelf life is exceeded, for example units that are pre thawed as part of a trauma protocol.

TTMH and TNTMH – These are used to capture wastage that occurs as a result of thawing product for named patients that is then not used. TTMH should be used if the product is thawed in response to a trauma call or major haemorrhage activation, whereas, TNTMH should be used if the patient is NOT involved in either a trauma call or a major haemorrhage activation.

The remaining fields are calculated fields, a brief description of each follows.

3.7.2.1 Day Total
The total number of red cell units wasted by blood group for the assigned date, are displayed. A total for all blood groups as well as sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

3.7.2.2 Month Total
This is the total wastage for the current month by blood group. Again, sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

3.7.2.3 WAPI (Wastage as a percentage of net issues)
WAPI for the current month by blood group and a total for the month plus sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

The buttons and comments fields function in the same way as previously described.

3.7.3 MB Non UK FFP - Wastage

Below is shown the Tab selection of MB Non UK FFP (Non UK Sourced and Methylene Blue Treated) hospital wastage, note the use of blue to indicated frozen product related data. There is an extra level of Tabs to cater for the various aggregations of frozen products. Data can be entered on either a daily or monthly basis, contact BSMS office if a change is required. If data is entered monthly then only the last day of each month will accept data.

PLEASE NOTE THIS AGGREGATION CONTAINS BOTH PAEDIATRIC AND NEO-NATAL PRODUCTS.

With the VANESA software it is possible to select your wastage preference. If you want to enter wastage on a monthly basis a message will appear towards the top of the wastage screen as shown below.
As well as the message VANESA disables all date fields except the last day of the month. This means that it is only possible to enter wastage data on the last day of the month. The screenshot below which features Gloucester Royal Hospital, shows that this hospital's preference is to enter wastage daily as it occurs.

Hospital name, date, set date, and comments fields work in the way previously described. As with Red Cell Wastage there is a button, called **zero wastage**, clicking this enables hospitals to positive notify the blood stocks management scheme of zero wastage (in this case for MB Non UK FFP), again this can be used on a daily or monthly basis. Frozen Product wastage data is collected according to seven categories.

8) **TIMEX** Used for units that have become time expired.

9) **SDL** Used for units that are either Split Damaged or Leaked.

10) **PTPRO** Used for units Pre Thawed for a Protocol and not used.

11) **TTMH** Used for units Thawed for a Trauma patient / major haemorrhage and not used.
12) **TNTMH** Used for units Thawed for a NON Trauma patient / major haemorrhage and not used.

13) **FZF** Used for a Freezer failure resulting in loss of product.

14) **MISC** Used for Any other reason, use the comments box to specify.

See section on Adult FFP for a full explanation of the codes.

### 3.7.3.1 Day Total

The total number of red cell units wasted by blood group for the assigned date, are displayed. A total for all blood groups as well as sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

### 3.7.3.2 Month Total

This is the total wastage for the current month by blood group. Again, sub totals for ‘A, B & O’ and ‘AB’ units are also shown.

### 3.7.3.3 WAPI (Wastage as a percentage of net issues)

WAPI for the current month by blood group and a total for the month plus sub totals for ‘A, B & O’ and ‘AB’ units are also shown.

The remaining fields are calculated fields, a brief description of each follows.

### 3.7.4 Pooled CRYO - Wastage

Below is shown the tab selection of adult Pooled CRYO hospital wastage, note the use of blue to indicated frozen product related data. There is an extra level of Tabs to cater for the various aggregations of frozen products. Data can be entered on either a daily or monthly basis, contact BSMS office if a change is required. If data is entered monthly then only the last day of each month will accept data.

With the VANESA software it is possible to select your wastage preference. If you want to enter wastage on a monthly basis a message will appear towards the top of the wastage screen as shown below.
As well as the message VANESA disables all date fields except the last day of the month. This means that it is only possible to enter wastage data on the last day of the month. The screen shot below which features Gloucester Royal Hospital, shows that this hospital’s preference is to enter wastage daily as it occurs.

Hospital name, date, set date, and comments fields work in the way previously described. As with Red Cell Wastage there is a button, called zero wastage, clicking this enables hospitals to positively notify the blood stocks management scheme of zero wastage (in this case for Pooled CRYO), again this can be used on a daily or monthly basis. Frozen Product wastage data is collected according to seven categories.

15) **TIMEX** Used for units that have become time expired.
16) **SDL** Used for units that are either Split Damaged or Leaked.
17) **PTPRO** Used for units Pre Thawed for a Protocol and not used.
18) **TTMH** Used for units Thawed for a Trauma patient / major haemorrhage and not used.
19) **TNTMH** Used for units Thawed for a NON Trauma patient / major haemorrhage and not used.
20) **FZF** Used for a Freezer failure resulting in loss of product.
21) **MISC** Used for Any other reason, use the comments box to specify.

See section on Adult FFP for a full explanation the codes.

### 3.7.4.1 Day Total

The total number of red cell units wasted by blood group for the assigned date, are displayed. A total for all blood groups as well as sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.
3.7.4.2 Month Total
This is the total wastage for the current month by blood group. Again, sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

3.7.4.3 WAPI (Wastage as a percentage of net issues)
WAPI for the current month by blood group and a total for the month plus sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

The remaining fields are calculated fields, a brief description of each follows.

3.7.5 MB Non UK CRYO - Wastage

Below is shown the tab selection of MB Non UK FFP (Non UK Sourced and Methylene Blue Treated) hospital wastage, note the use of blue to indicate frozen product related data. There is an extra level of tabs to cater for the various aggregations of frozen products. Data can be entered on either a daily or monthly basis, contact BSMS office if a change is required. If data is entered monthly then only the last day of each month will accept data. PLEASE NOTE THIS AGGREGATION IS DESIGNED FOR PAEDIATRIC SINGLE PACKS ONLY.

With the VANESA software it is possible to select your wastage preference. If you want to enter wastage on a monthly basis a message will appear towards the top of the wastage screen as shown below.

As well as the message VANESA disables all date fields except the last day of the month. This means that it is only possible to enter wastage data on the last day of the month. The screen shot below which features Gloucester Royal Hospital, shows that this hospital's preference is to enter wastage daily as it occurs.
Hospital name, date, set date, and comments fields work in the way previously described. As with Red Cell Wastage there is a button, called zero wastage, clicking this enables hospitals to positively notify the blood stocks management scheme of zero wastage (in this case for MB Non UK CRYO), again this can be used on a daily or monthly basis. Frozen Product wastage data is collected according to seven categories.

22) **TIMEX** Used for units that have become time expired.
23) **SDL** Used for units that are either Split Damaged or Leaked.
24) **PTPRO** Used for units Pre Thawed for a Protocol and not used.
25) **TTMH** Used for units Thawed for a Trauma patient / major haemorrhage and not used.
26) **TNTMH** Used for units Thawed for a NON Trauma patient / major haemorrhage and not used.
27) **FZF** Used for a Freezer failure resulting in loss of product.
28) **MISC** Used for Any other reason, use the comments box to specify.

See section on Adult FFP for a full explanation the codes.

### 3.7.5.1 Day Total

The total number of red cell units wasted by blood group for the assigned date, are displayed. A total for all blood groups as well as sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

### 3.7.5.2 Month Total

This is the total wastage for the current month by blood group. Again, sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.
3.7.5.3 WAPI (Wastage as a percentage of net issues)

WAPI for the current month by blood group and a total for the month plus sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

The remaining fields are calculated fields, a brief description of each follows.

3.7.6 Commercial - Wastage

Below is shown the tab selection of Commercial hospital wastage, note the use of blue to indicate frozen product related data. There is an extra level of tabs to cater for the various aggregations of frozen products. Data can be entered on either a daily or monthly basis, contact BSMS office if a change is required. If data is entered monthly then only the last day of each month will accept data.

With the VANESA software it is possible to select your wastage preference. If you want to enter wastage on a monthly basis, a message will appear towards the top of the wastage screen as shown below.

As well as the message VANESA disables all date fields except the last day of the month. This means that it is only possible to enter wastage data on the last day of the month. The screen shot below which features Wrexham Maelor Hospital, shows that this hospital's preference is to enter wastage daily as it occurs.
Hospital name, date, set date, and comments fields work in the way previously described. As with Red Cell Wastage there is a button, called **zero wastage**, clicking this enables hospitals to positively notify the blood stocks management scheme of zero wastage (in this case for Commercial SDFFP), again this can be used on a daily or monthly basis. Frozen Product wastage data is collected according to seven categories.

29) **TIMEX** Used for units that have become time expired.
30) **SDL** Used for units that are either Split Damaged or Leaked.
31) **PTPRO** Used for units Pre Thawed for a Protocol and not used.
32) **TTMH** Used for units Thawed for a Trauma patient / major haemorrhage and not used.
33) **TNTMH** Used for units Thawed for a NON Trauma patient / major haemorrhage and not used.
34) **FZF** Used for a Freezer failure resulting in loss of product.
35) **MISC** Used for Any other reason, use the comments box to specify.

See section on Adult FFP for a full explanation the codes.

### 3.7.6.1 Day Total

The total number of red cell units wasted by blood group for the assigned date, are displayed. A total for all blood groups as well as sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

### 3.7.6.2 Month Total

This is the total wastage for the current month by blood group. Again, sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.
3.7.6.3 WAPI (Wastage as a percentage of net issues)

WAPI for the current month by blood group and a total for the month plus sub-totals for ‘A, B & O’ and ‘AB’ units are also shown.

3.7.6.4 Commercial - Receipts

The receipts page for commercial SDFFP (Octaplas type products) is there to provide an audit facility for the amount of product purchased by group mix and to enable VANESA to be able to calculate WAPI. Note for very small users, by not receiving deliveries on a monthly basis there may be problems with the calculation as it represents the wastage as a percentage of issues for a particular month.

Below is shown the tab selection of Commercial hospital receipt, note the use of blue to indicated frozen product related data. There is an extra level of tabs to cater for the various aggregations of frozen products.

The screen shot below shows the actual data entry screen for the receipt of frozen products, the time limitations and calendars work in the same way as previously discussed.

That concludes the discussion of data entry into VANESA 4.