README for iProcess Client (ASP)
Version 9.2.0

Contents

1   About This Version

Version 9.2.0 of the iProcess Client (ASP) introduces some new features - see section 3.1. It also includes a number of changes and fixes which have been incorporated into the product since the initial Version 9.0(0.0) release - see section 7 on page 12.

Note - If you have received this version as an upgrade, you should check that it provides the features or fixes you require and then upgrade immediately. If you are in any doubt about whether you should upgrade to this version, please contact TIBCO Support Services for further assistance.

2   Compatibility with Other Staffware Products

The table below lists other Staffware products with which the iProcess Client (ASP) has direct compatibility requirements, and the versions of those products that are compatible with this version of the iProcess Client (ASP).

Note - Certified versions have been successfully tested by TIBCO for compatibility with this version of the iProcess Client (ASP). Compatible versions have not been formally certified, but have no known incompatibilities with this version of the iProcess Client (ASP).

Product	Certified Version(s)	Compatible Version(s)
SPO COM Client	Version 10.2.0 Windows	Version 10.2.0 Windows

When you use any of these products with this version of the iProcess Client (ASP), TIBCO recommend that you use the latest compatible version of each product.

If you are currently using a version of one of these products that is:

• *earlier than any of those listed*, you must upgrade to a compatible version before using this version of the iProcess Client (ASP).

• *later than any of those listed*, please refer to the Readme for that product/version to determine if it is compatible with this version of the iProcess Client (ASP). If the Readme does not provide a definitive answer, please contact TIBCO Support Services for further assistance.

3   New Features

The following new features have been introduced since the initial release, Version 9.0(0.0) of the iProcess Client (ASP).

3.1   Version 9.2.0

The following is a brief description of the new features introduced in this release.

3.1.1   Support for SPO Failover Has Been Implemented (CR 17160)

You can use the **xSPOServerBackup** configuration parameter to specify a back-up SPO server. This means that when the iProcess Client (ASP) detects that the SPO server it is connecting to has failed, it will attempt to connect to the SPO server specified in the **SPOServerBackup** configuration parameter.

Please refer to the *Customizing the TIBCO iProcess Client (ASP)* guide for more information.

3.1.2   Support for SPO Director Has Been Implemented (CR 17161)

You can use the **xUDPPortNumbers** configuration parameter to enable the iProcess Client (ASP) to browse for SPO Directors.

Please refer to the *Customizing the TIBCO iProcess Client (ASP)* guide for more information.

3.2 Version 9.1(1.3)

The following is a brief description of the new features introduced in this release.

3.2.1 Improved Performance for the Work Queue Search (CR 14682)

The performance of the Work Queue Search has been improved by enabling you to specify:

- the types of cases to search for by setting the **xInactiveCaseSearch** variable.

- the number of work items that are displayed in the work item list by setting the **xMaxWorkItem-Search** variable.

Please refer to the *Customizing the TIBCO iProcess Client (ASP)* guide for more information.

3.2.2 New Log Level Called TIMING (CR 15021)

A new log level called TIMING has been added to log how long it takes for the iProcess Client (ASP) pages to execute.

Please refer to the *Customizing the TIBCO iProcess Client (ASP)* guide for more information.

3.2.3 Specifying How Sub-lists are Loaded in the ASP Web Client (CR 14952)

Pre-loading lists can affect performance when you have a large number of users logging in to the iProcess Client (ASP). By setting the **preloadlists** variable to **false**, the lists are only loaded, for example, when a user clicks on the **Work Queue** option.

3.2.4 Support for Case Start Precedence is Introduced (CR 14587)

Case start precedence determines the precedence order used to select which version of any sub-procedure is started by the case. To set case precedence in the iProcess Client (ASP), you need to set the **xSubProcPrecedenceType** variable.

Please refer to the *Customizing the TIBCO iProcess Client (ASP)* guide for more information.

3.2.5 Defining an Audit Case List Filter (CR 14397)

You can define an audit case list filter from the **Audit** Window. Setting an audit case list filter enables you to enter search criteria so that you can find a specific case or a range of cases to view. Please refer to the *Using the TIBCO iProcess Client (ASP)* guide for more information.

3.2.6 Support for Memos is Introduced (CR 14253)

Fields whose field type is **Memo** are now supported. This means you can now enter memo data into a memo field from the iProcess Client (ASP). Previously, memo fields were not displayed. Please refer to the *Using the TIBCO iProcess Client (ASP)* guide for more information.

3.3 Version 9.1(1.1)

The following is a brief description of the new features introduced in this release.

3.3.1 Defining the List Validation Setting (CR 14014)

You can define how validation lists are displayed in the iProcess Client (ASP). To change the list validation setting, set the **xDefValidation** entry in the configuration file to one of the following options:

- **1** = The validation list defaults to the first value in the list.

- **0** = The validation list is left blank. The **xDefValidation** entry is set to **0** by default.

Please refer to the *Customizing the TIBCO iProcess Client (ASP)* guide for more information.

3.4 Version 9.1(1.0)

The following is a brief description of the new features introduced in this release. Please refer to the *Using the TIBCO iProcess Client (ASP)* guide for more information.

3.4.1 Sort As Added to Sort Criteria (CR 14014)

When defining the **Sort** criteria of a work queue, you can now define how to sort an item using the **Sort As** option. See the *Using the TIBCO iProcess Client (ASP)* guide for more information.

3.4.2 New Parameters Added to the Config.asp Determine the Items Returned from the SPO Server (CR 14002)

The following parameters have been added to the **Config.asp** file to determine the items returned per call per block from the SPO Server:

- **xWQBlockSize** configures the number of work items returned.

- **xACBlockSize** configures the number of audit trails returned.

- **xGenBlockSize** configures the number of other items returned that use XLISTS. For example, Staffware lists.

- **xMaxAuditList** configures the maximum number of audit trails returned.

See the *Customizing the TIBCO iProcess Client (ASP)* guide for more information.

3.4.3 Changing the Default Folder Display (CR 13954)

You can amend the default folder display. To change the default folder display, uncomment and amend the **menuoption** entry in the configuration file and choose all or a combination of the folders to display, depending on your requirements. See the *Customizing the TIBCO iProcess Client (ASP)* guide for more information.

3.4.4 Defining Custom Menu Items (CR 13945)

You can define one or more new menu options to be appended to the bottom of the list of folders on the left hand side of the iProcess Client (ASP) window. See the *Customizing the TIBCO iProcess Client (ASP)* guide for more information.

3.4.5 Changing the Default Display (CR 13944)

You can amend the default work queue display. To change the default work queue display, amend the numeric fields in the **defaultdisplayorder** column in the swfields table in the **swaccess.mdb** file. You can choose all or a combination of the Staffware fields listed, depending on your requirements. See the *Customizing the TIBCO iProcess Client (ASP)* guide for more information.

3.4.6 Defining a New First Page (CR 13907)

When you first login to the iProcess Client (ASP), the Queue Summary is displayed by default. To change this, amend the **firstpage** entry in the configuration file, specifying the filename of the new first page. See the *Customizing the TIBCO iProcess Client (ASP)* guide for more information.

3.5 Version 9.1(0.0)

The following is a brief description of the new features introduced in this release. Please refer to the *Using the TIBCO iProcess Client (ASP)* guide for more information.

3.5.1 Improved Forms (CR 12487)

Improvements have been made to the way that forms are displayed in the TIBCO iProcess Client (ASP). This is so that they more closely resemble the layout in the Process Step Designer. Fields now align on space boundaries. If you are upgrading this may affect the way your forms are displayed. See section 6.4 on page 11 for more information.

3.5.2 New User Interface (CR 12341)

This version of the TIBCO iProcess Client (ASP) has a new user interface. The user interface has been updated to make it more consistent with other Staffware products and to implement the product name changes that occurred in version 9.

The following enhancements have been made:

• Work queues are now grouped into User/Group/User Test and Group Test.

• Auto refresh of the work queue has been added. Work queues are now refreshed every 60 seconds.

• You can configure your personal work queue or group queue to be displayed as your default page view.

• You can use page links to navigate through your work queue.

• Staffware lists are now supported.

3.5.3 Queue Summary

The **Queue Summary** is displayed in the **Work Queues** folder. It enables you to monitor your work queues by showing you a graphical summary of your current workload across all your queues.

3.5.4 Searching for Work Items Within a Work Queue List

If you select a work queue in the **Work Queues** folder, you can use the **Search** facility to perform a search on the case description in the work queue.

3.5.5 Forwarding Work Items

If you select a work queue in the **Work Queues** folder, you can select a queue from the **Forward to Queue** box to forward a work item on to another queue without progressing the case. You can select as many work items as you need. If you want to forward all work items on the current page (to the same user), click the box at the top of the first column so that all the work items on the page are selected.

3.5.6 Audit Trail Filtering

If you view an audit trail for a case, you can filter your audit trails by system entries and user-defined entries.

3.5.7 Setting Filter, Display and Sort Criteria

You can control the way your queues are displayed by setting filter, display and sort criteria. The filter, display and sort options are available from the status bar.

Select:

• **Filter** to control which work items are displayed.

• **Display** to define which columns of information are displayed about each work item.

• **Sort** to define the order in which work items are displayed.

3.5.8 Searching for Work Items Across all Work Queues and Updating Case Priority

From the **Tools** folder, selecting **Work Queue Search** enables you to perform a search on the case description across all work queues. On clicking the work item, the details of the case are displayed. You can also change the priority of the work item.

Note - You must have a MENUNAME attribute of either ADMIN or MANAGER to change case priority.

3.5.9 Case Prediction

Case prediction enables you to accurately forecast outstanding work items and expected work items. To display case prediction, right click on the work item that you want to see case prediction for. The Case Prediction window is displayed.

3.5.10 Participation and Redirection

From the **Tools** folder, selecting **Queue Administration** enables you to set participation and redirection. Participation enables you to grant users access to another user or group queue. Redirection enables you to redirect all work items sent to one queue to an alternative queue.

4 Restrictions

Note - Where a Staffware Change Request (CR) has been raised in connection with a particular restriction, the CR number (CR nnnn) is shown in brackets.

4.1 Cannot Sort Audit Trails on Procedure Version or Procedure Host (CR 17224)

You cannot sort audit trails on procedure version or iProcess Engine hostname. A **No audit trail entries for the selected procedure or filter criteria returned no cases** message is displayed.

4.2 Checking For Duplicate Items When Using Prediction Does Not Work For Some Procedure Loops (CR 14124)

When using Case Prediction, the checking for duplicate items does not work in instances where the procedure has a valid loop but has a step of the loop outstanding in a Work Queue.

4.3 Navigating Away From a Form Cannot Be Cancelled (CR 14075)

If you try to navigate away from a form by typing in a new URL, you cannot return to the form by clicking **Cancel** on the warning dialog. You will still be taken to the new URL.

4.4 Unsupported Features (CR 12120 / 14112/14246)

The following areas of Staffware functionality are not supported in this release and therefore should not be used when designing procedures for use with the iProcess Client (ASP):

Function	Behavior in iProcess Client (ASP)
Tables	Staffware tables will not work. The key field will appear as a standard input field and subsequent table fields will be blank. However, any data currently stored in the fields will be displayed correctly.
Expressions	Expression evaluator functions will be ignored. *Note - Conditions on forms are supported, so any expression that does not contain an expression evaluator function will be supported. (This includes the use of brackets and complicated conditions.) For example:* [*Field*|*Text*] [=|>|<] [*Field*|*Text*]
Scripts	Scripts can ONLY be called as part of an Initial, Keep or Release Form Command. They cannot be called from anywhere else e.g. as a field command. Any such call to a script will be ignored.
Calculated Fields	Calculated fields are not supported. This means that fields with an origin of Calculated or fields with an origin of Hidden that contain calculations should not be used in the iProcess Client (ASP).
Attachment Fields	Attachment fields will appear with the message "Attachment field (not supported)".
Application Fields	Application fields will appear as a button but will give a message saying "Application fields are not supported in this version of the Web Client".
Dynamic Drop Down Lists	The iProcess Client (ASP) utilises HTML which does not support dynamic drop down lists. For example, forms which contain SW_ANYTHING in a validation list cannot be used.

4.5 SW_NODENAME is Not Displayed on a Form (CR 10039)

If SW_NODENAME is used in a field on a form and the form is displayed in the iProcess Client (ASP), the field is blank. This is because SW_NODENAME is null.

Note - This problem has only been seen where the iProcess Client (ASP) is running on a computer that is using Windows 2000.

5 Known Issues

5.1 Using Conditional Actions in the iProcess Client (ASP)

If you want to define a condition on a form to be used in the iProcess Client (ASP), you must enter the condition with spaces, for example:

Num1 > Num2

If you do not include spaces in the condition, the condition will not work in the iProcess Client (ASP). This is because the < and > characters are delimiters in HTML and they will not be converted correctly unless they are surrounded by spaces.

5.2 Memos Are Not Supported by All Versions of the Staffware Process Objects Server

Memos are not supported by all versions of the Staffware Process Objects Server. This means that although a memo field may be displayed in a form, if you open the memo field and add data, the data will not be saved. Please refer to the Readme supplied with your Staffware Process Objects Server to see if your version of SPO supports memos.

5.3 Filtering an Audit Trail on Case Number is Not Supported by All Versions of the Staffware i/Process Engine

Filtering an audit trail on case number is not supported by all versions of the Staffware i/Process Engine. This means that you cannot enter a range of case numbers to search for when setting Audit Trail Case List filter criteria.

5.4 A Sub-Procedure Started by a Graft Step is Not Displayed Correctly in the Audit Trail

All sub-procedures should be shown as indented from the main procedure. If a sub-procedure is started by a graft step then it is not displayed this way in the audit trail in the iProcess Client (ASP).

5.5 Setting Filter Options on Deadlines

When setting a deadline work item filter, you must do the following:

• the date and/or time should be entered in the format dd/mm/yyyy hh:mm, even though the deadline date and/or time is displayed in the iProcess Client (ASP) as dd/mm/yyyy hh:mm:ss.

• The date and/or time should be included in quotes, for example "16/10/2003 17:00", even though it is not a string.

5.6 iProcess Client (ASP) Not Displaying Case Prediction on Sub-Procedures Whose Steps Are Not Released Sequentially

When using Case Prediction, the iProcess Client (ASP) does not display steps from sub-procedures if you do not release the steps sequentially. For example, if you have steps 1-8 and you release step 7 before step 8 and select prediction on the case, none of the sub-procedure steps will be displayed in the **Case Prediction** window.

5.7   CDQPs and WQ Parameters Are Sorted As Text

Work Queue column sorting on Case Data Queue Parameters and Work Queue Parameters are always sorted as text. You can use **Access Criteria - Sorting** to specify actual sort types.

5.8   Cannot Sort Audit Trails on Procedure Version

The Staffware iProcess Engine Version i10 introduced version control of procedures. If you use the iProcess Client (ASP) to connect to a Staffware iProcess Engine Version i10 and view an audit trail for a case, a **Procedure Version** column is displayed. However, it is not possible to sort by this column.

5.9   Error Messages in the Log File are in English Only

When the iProcess Client (ASP) has been translated, the error messages in the log file still appear in English.

5.10 Hidden Fields in Conditional Statements

If you use Internet Explorer 4 and a form contains required conditional fields between conditional statements, you will not be able to release the form because not all the required fields are displayed.

5.11 Caching of Pages

Even with caching of pages switched off, some pages can still be cached which can cause an old page to be displayed. To resolve this, click the Web Client **Refresh** link. Do not use the browser's **Refresh** button.

5.12 Changing the Date Separator

If you change the date separator in the Staffware Engine, you must restart the web server for the change to take effect.

6   Other Information

6.1   Re-Branding of Staffware Software and Documentation

Staffware software and documentation is currently undergoing a re-branding exercise. For example, the Staffware iProcess Engine is now called the TIBCO Staffware iProcess Engine. Until this exercise is complete there may be some naming inconsistencies in the Staffware software and documentation.

6.2   Case Descriptions Should Not Contain Certain Characters

Case descriptions should not contain the following characters: ",',&.

This is because you cannot set a filter using these characters on Case Description.

6.3 Changes are Lost When Navigating Away From an Open Work Item

If you have a work item open and then try to navigate away from the page, for example, by trying to start a case of another procedure, the following message is displayed:

Are you sure you want to navigate away from this page? This action will cause the work item to remain locked. You will loose any changes you made. Press OK to continue, or Cancel to reload the current page.

If you click **OK**, you will navigate away from the page and the work item will be locked. If you click **Cancel**, the work item page should be reloaded into your web browser. However, the following error message is displayed instead:

Error: This item is already in use.

This is because the work item cannot be reloaded into your web browser because the work item is locked. When you open a work item its status immediately changes to locked, and remains so until you keep or release it. Locking prevents two people from working on the same work item at the same time.

When you get this message, you need to do the following:

1. Click on your work queue. You will see that the work item is shown in gray with its Status as locked.

2. Click on the work item to open it. A **This item is already locked, Force Item Open?** message is displayed.

3. Click **OK**. The form for that work item is then displayed.

6.4 System Requirements

To be able to run this version of the TIBCO iProcess Client (ASP), your computer must have Microsoft Internet Explorer Version 5.5 or later installed.

Note - Firefox, Safari and Netscape Navigator are not supported.

6.5 Staffware Forms Modified For an Earlier Version of the iProcess Client (ASP) May Not Display Correctly in this Version

Improvements have been made to the way that forms are displayed in this version of the TIBCO iProcess Client (ASP). (See section 3.5.1 on page 6 for more information.) If you have modified your Staffware forms for display in an earlier version of the iProcess Client (ASP), they may not display correctly in this version.

You can either modify your Staffware forms so that they display correctly in this version of the iProcess Client (ASP) or you can disable the new functionality so that forms continue to display as they did.

To disable the new form display functionality, make the following changes to the *SWWebClientDir***FormHandler.asp** file:

1. Comment out the entire contents of the functions listed below:
   - `function glue()`
   - `function add_help()`

2. Comment out the following line from the `function write_field()`:
   - `padobj.width = reqWidth;`

6.6 Staffware Forms Designed in the Staffware Process Definer For Use in the iProcess Client (ASP) Must be Set to the Correct Font

When designing forms in the Staffware Process Definer for use in the Staffware iProcess Client, the font in the forms must be set to match the font used in the iProcess Client (ASP). This is to ensure that the forms display correctly in the iProcess Client (ASP). The font that should be used is Lucida Console (8pt).

6.7 Other iProcess Client (ASP) Documentation

For more information about how to use the iProcess Client (ASP), please refer to the *Using the TIBCO iProcess Client (ASP)* guide and the *Customizing the TIBCO iProcess Client (ASP)* guide.

In addition, the *Using the TIBCO iProcess Client (ASP)* is available from the Staffware Web Client itself (in HTML format). Click **Help** in the main iProcess Client (ASP) window to view the online guide.

6.8 Product Name Change

This product name for this release has changed from the TIBCO Staffware Process ASP Web Client to the TIBCO iProcess Client (ASP) in line with the naming convention of other TIBCO products.

6.9 TIBCO Staffware Version Number Changes

The format of the version number for this release of the TIBCO iProcess Client (ASP) has changed from 9.n-o($n.n$) to 9.$n.n.n$ in line with the versioning convention of other TIBCO products.

6.10 Re-Branding of Staffware Software and Documentation

Staffware software and documentation is currently undergoing a re-branding exercise. For example, the Staffware iProcess Engine is now called the TIBCO Staffware iProcess Engine. Until this exercise is complete there may be some naming inconsistencies in the Staffware software and documentation.

6.11 Latest Product Information

For the latest TIBCO Staffware Process Suite product information, please refer to the TIBCO Support Services web site at http://www.tibco.com/services/support.

7 Change History

The following Change Requests (CRs) have been implemented in this release of the iProcess Client (ASP).

7.1 Version 9.2.0

CR Number	Description
CR 17191	*You cannot specify an SPO Director in the* **numautologins** *and* **numstaticservers** *configuration parameters.* Corrected.

CR Number	Description
CR 17182	*Case prediction no longer works in the iProcess Client (ASP).* Corrected.
CR 17161	*Implement support for SPO Director.* Implemented. See section 3.1.2 on page 3 for more information.
CR 17160	*Implement support for SPO failover.* Implemented. See section 3.1.1 on page 3 for more information.

7.2   Version 9.1(1.4)

CR Number	Description
CR 16173	*Memos that contain CR/LF result in the ASP web page not being displayed.* Corrected. The ASP Web Client now changes the carriage return/linefeeds to /n.

7.3   Version 9.1(1.3)

CR Number	Description
CR 15177	*If you click **Keep/Release** on a Staffware form multiple times, a number of cases will be started of the same case.* Corrected.
CR 15021	*Add a new log level called TIMING to log how long it takes the ASP Web Client Pages to execute.* Implemented. See section 3.2.2 on page 4 for more information.
CR 14952	*Implement support for specifing how sub-lists should be loaded into the ASP Web Client.* Implemented. See section 3.2.3 on page 4 for more information.
CR 14703	*If you try to forward a work item that cannot be forwarded, a **The page cannot be displayed** message is displayed.* Corrected. If you try to forward a work item that cannot be forwarded, a **This work item cannot be forwarded** message is displayed.
CR 14682	*Improve the performance of the Work Queue Search by specifying the type of cases you search for and the amount of work items that are displayed on the page.* Implemented. See section 3.2.1 on page 4 for more information.
CR 14681	*The **OpenNext** button should open the first unlocked work item in a work queue. However, it opens the first item in the work queue.* Corrected.
CR 14607	*The ASP Web Client is not case sensitive when authenticating a Staffware user. This can cause problems when using other functionality within the ASP Web Client. For example, a work item locked as **swadmin** cannot be unlocked by the a user logged in as **SWADMIN**.* Corrected.

CR Number	Description
CR 14587	*Implement support for Case Start precedence.* Implemented. See section 3.2.4 on page 4 for more information.
CR 14555	*When filling in the fields on a form, the **Release** button remains disabled despite completeing all the required fields.* Corrected.
CR 14530	*If you set filter criteria in the Staffware Process Client and then log out of the Staffware Process Client and into the ASP Web Client, the filter criteria you have set in the Staffware Process Client is displayed in the ASP Web Client.* Corrected. Any filter criteria set in the Staffware Process Client is not applied in the ASP Web Client.
CR 14400	*If you open a work item and then try to naviagate away from the page then an error message is displayed. The error message is misleading and does not warn you of the implications of navigating away from the page.* Corrected. The following error message is displayed: **Are you sure you want to navigate away from this page?** **This action will cause the work item to remain locked.** **You will loose any changes you made.** **Press OK to continue or Cancel to reload the current page.**
CR 14397	*Implement Audit Case List Filtering.* Implemented. See section 3.2.5 on page 4 for more information.
CR 14343	*The following labels cannot be translated into another language because they are hard coded in the ASP Web Client:* • *From the **Login** window, the label **Login details**.* • *From the **Work Queue Search** window, the label **Search results** for "search string".* • *From the **Participation Queue** window, the error message **Invalid Date** that is displayed if you enter an invalid date into the Start Date or End Date boxes.* Corrected.
CR 14342	*Step names are not displayed in the **Case Prediction** window. This means if a step has no description, it is displayed as blank in the **Case Prediction** window.* Corrected.
CR 14340	*In the **Redirection** or **Participation** windows, you cannot change the regional date separator. It always defaults to /.* Corrected.
CR 14314	*The date format YYYY/MM/DD is not supported.* Corrected.
CR 14286	*Work Queue search accepts **0** as a priority.* Corrected. Entering a value of **0** displays a **Value must be greater than 0** message.
CR 14253	*Implement support for Memo fields.* Implemented. See section 3.2.6 on page 4 for more information.

CR Number	Description
CR 14125	*If a procedure contains an infinite loop then case prediction will fail. However, the JSP Web Client simply returns an empty Case Prediction list and no error is displayed.* Corrected. If a procedure contains an infinite loop, a **An error occurred retrieving case prediction data** message is displayed.
CR 14077	*The **Use Default** button in **Sort Criteria** Window resets the sort criteria to the default settings but does not apply the default sort criteria settings to the work queue.* Corrected.

7.4 Version 9.1(1.2)

CR Number	Description
CR 14427	*If you paste a value into the **Case Description** box on the Work Queue Window, by right clicking in the box and selecting **Paste**, the **Search** button is not enabled.* Corrected.
CR 14401	*The **Audit Case List Filter Critieria** dialog should support wild cards.* Implemented.
CR 14396	*The ASP Web Client fails if it is installed on a French operating system.* Corrected.
CR 14395	*Work queue and audit trail page listings are corrupted on large numbers of pages.* Corrected.
CR 14379	*Enable SW_NA in validation fields to be set to a blank value.* Implemented.
CR 14373	*When tabbing through fields on a form, the focus moves through Display fields. However, there is nothing to edit in a display field.* Corrected. When tabbing through fields on a form, the focus moves to the next field requiring input.
CR 14372	*Tabbing off a drop-down list after selecting a value from the list moves the focus to the first field on the form.* Corrected.
CR 14349	*If you enter the '<', >' or ""characters in a Staffware list in the ASP Web Client, although they are displayed correctly, the data will be truncated when stored in Staffware.* Corrected.

7.5 Version 9.1(1.1)

CR Number	Description
CR 14335	*If a form contains more than 7 IF statements, then the Step Definition Converter fails to generate the form.* Corrected.

CR Number	Description
CR 14332	*The **Redirected to** audit trail message is not displayed in the ASP Web Client.* Corrected.
CR 14255	*If a form has a date field marked on it that already contains a value, when the form is opened in the ASP Web Client, the date is displayed as dd/mm/yy, regardless of the date setting on the server.* Corrected. The date is formatted to match the date setting on the server.
CR 14238	*Hidden fields with calculations cause Staffware forms to crash.* Corrected.
CR 14234	*If you have a required validation field in a nested IF statement that is not displayed dynamically on the form at run-time (because of the information that has been entered on the form), you cannot release the form. You have to find the validated field and enter a value in order to release it.* Corrected. If the required validation field is not displayed because of the information that has been entered on the form, you can release the form.
CR 14224	***Formhandler.asp** needs to be updated to support mulitple validation fields.* Implemented.
CR 14212	*Implement a new list validation setting.* Implemented. See section 3.3.1 on page 5 for more information.
CR 14210	*If you have a form that contains multiple instances of a validation field, only the last instance of the validation field is displayed.* Corrected.
CR 14170	*Logging into the ASP Web Client is slow when there are procedures that have more than 50 cases.* Corrected.

7.6   Version 9.1(1.0)

CR Number	Description
CR 14123	*Case prediction is returning duplicate items.* Corrected.
CR 14122	*Case prediction is returning completed items in a different order to predicted items.* Corrected.
CR 14048	*Amend menu expansion to use +/- in line with other applications.* Implemented.
CR 14015	*Multiple logins causes duplicate values in the Work Queue list.* Corrected.
CR 14014	*Implement sorting by type in Access Criteria.* Implemented. See section 3.4.1 on page 5 for more information.

CR Number	Description
CR 14009	*When all the required fields are completed, the **Release** button is enabled. Clearing one of the required fields followed by clicking on the **Release** button causes the ASP Web Client to hang.* Corrected.
CR 14006	*A work item can be forced open if the **breaklocks** parameter is set to false in the **config.asp**.* Corrected.
CR 14002	*Implement new blocksize variables in the **config.asp**.* Implemented. See section 3.4.2 on page 5 for more information.
CR 13996	*If SW_CASEDESC is marked on the first step's form and a case is started, performing a Keep causes the case description to be overwritten by the value of SW_CASEDESC. This means that if SW_CASEDESC is left blank then a case is started with no description. Consequently, reopening the form disables both the **Keep** and **Release** buttons.* Corrected.
CR 13994	*Clicking a page number in the **Queue** window can cause the work queue to open a new window.* Corrected.
CR 13990	*When setting Participation, dates and times should be evaluated separately.* Corrected.
CR 13989	*If you have a Staffware Username which contains a **#**, it causes an **Object required** error message when trying to use **Access Criteria**.* Corrected.
CR 13979	*If you have a field that is referenced in more than 3 validation lists, the ASP Web Client hangs.* Corrected.
CR 13971	*Validation lists that are a combination of validation values and Staffware lists are not populated correctly.* Corrected.
CR 13967	*The **Release** button is enabled on a form even if a required validation list does not have an item selected.* Corrected.
CR 13963	*User-defined lists appear in reverse order in the forms.* Corrected.
CR 13960	*Date fields will not accept any other separator than the one set on the machine where the Staffware server is installed.* Corrected.
CR 13957	*Staffware validation list values that contain single quotes are not saved on a Keep or Release.* Corrected.

CR Number	Description
CR 13956	*Implement support for Staffware lists.* Implemented.
CR 13954	*Implement support for customizing the default menu display.* Implemented. See section 3.4.3 on page 5 for more information.
CR 13948	*Remove the forward list from the queues page and replace it with a **Forward to Queue** button. This opens a Forward to Queue page which improves the performance of forwarding work items.* Implemented.
CR 13945	*Implement support for customizing menu items.* Implemented. See section 3.4.4 on page 5 for more information.
CR 13944	*Implement support for changing the default display.* Implemented. See section 3.4.5 on page 6 for more information.
CR 13912	*Implement support for Case Data Queue Parameters.* Implemented.
CR 13910	*Disable page caching.* Implemented.
CR 13908	*Display the version number of the ASP Web Client in the Window title bar.* Implemented.
CR 13907	*Implement support for configuring the first page.* Implemented. See section 3.4.6 on page 6 for more information.
CR 13892	*If you move from a Case Start page or a Work Item page, the ASP Web Client displays the **Are you sure you want to navigate away?** message twice.* Corrected.
CR 13871	*If Case Prediction is turned off for a procedure it causes an error in the ASP Web Client.* Corrected.
CR 13855	*The user you are logged in as is not listed in the **Participation** box on the **Participation Queue:** page. This means you cannot select this user to be a participant of a queue.* Corrected.
CR 13854	*If you have a work queue that contains more than 150 work items, then other work queues show they also have 150 work items, even if they only have 1 work item.* Corrected.
CR 13808	*Allow ability to sort procedures in the Case Start list.* Implemented. Procedures can now be sorted alphabetically or reverse alphabetically.
CR 13807	*If you have set the Case Description field's origin to be hidden, it is still displayed when you start a case.* Corrected.

CR Number	Description
CR 13645	*Numeric fields with decimal places are not displayed correctly.* Corrected.
CR 13596	*It is not possible to enter a minute value of **08** or **09** in a field whose type is Time.* Corrected.
CR 13422	*When clicking **Logout**, the **Logout** method is never actually called so the SAL session remains open.* Corrected.
CR 13419	*If you have a case that has no case description and it calls a sub-procedure, you cannot keep or release a form.* Corrected.
CR 13352	*Conditional statements that reference fields that are not marked on any forms causes the ASP Web Client to crash.* Corrected.
CR 13254	*If you have a form with a required field marked on it and no value is entered in the required field, it is still possible to release the form.* Corrected.
CR 13175	*In the **Participation Queue** window, it is possible to enter a start time that is after the end time.* Corrected.
CR 13091	*Using Case Prediction against a sub-procedure fails.* *Corrected.*
CR 13065	*Staffware validation lists that contain references to fields are not displayed in the ASP Web Client.* Corrected.
CR 13029	*If you have an incorrect TCP port number or IP Address specified in the SWWebClientDir/**config.asp**, it is not handled properly in the ASP Web Client. The ASP Web Client times out and then tries to reconnect to the Staffware server.* Corrected. The ASP Web Client reports an error in the **webclient.log** file and exits immediately.
CR 13028	*Cannot log in to ASP Web Client when SPO is behind a firewall.* Corrected.
CR 12933	*Having test group queues causes script errors when the queue list is refreshed.* Corrected.
CR 12902	*Only 50 user queues and 50 group queues can be displayed in the ASP Web Client.* Corrected.
CR 12818	*The user you are logged in as is not listed in the **Redirect to:** box on the **Redirect Work Item from Queue:** page. This means you cannot select this user to redirect work items to.* Corrected.

CR Number	Description
CR 12817	*Not all text strings are captured in the **config.asp** file for ease of translation.* Corrected.
CR 12588	*When a form is displayed in the ASP Web Client, all field types look the same. The user cannot tell if a field's type is Text, Numeric, Comma Separated Numeric, Date or Time. (For example, a date field is not shown as "--/--/----", to indicate that a date should be entered.)* Corrected.
CR 12587	*Field validation for fields with a field type of Comma Separated Numeric is not supported. If you define field validation for fields of field type Comma Separated Numeric and display the form in the ASP Web Client, the fields are displayed as if no validation has been set. There are no drop down lists associated with the fields.* Corrected.
CR 12586	*When you move between different work queues, the work item counter in the Status Bar does not update to display the correct number of work items for the queue you are looking at.* Corrected.
CR 12585	*Case descriptions should not contain special characters. This is because you will not be able to set a filter using special characters on Case Description if you have case descriptions that contain special characters, for example /,<,>,\,|,.,,.* Corrected.
CR 12584	*If you have added Staffware servers to the static login list, you should only log in to one Staffware node at a time. This is because if you have static Staffware servers and log in to more than one node, when you log out from a node, you are incorrectly logged off a different node.* Corrected.
CR 12504	*Field help that has been defined by the procedure definer is not displayed in the ASP Web Client.* Corrected.
CR 12319	*Staffware Validation lists are not supported in the ASP Web Client.* Corrected.
CR 11749	*If a procedure has sub-procedures then the audit trails for the sub-procedures are not displayed in the ASP Web Client.* Corrected.
CR 10095	*The ASP Web Client does not accept any regional decimal separators other than **.**.* Corrected. The ASP Web Client now accepts other decimal separtors, for example '.

7.7 Version 9.1(0.1)

CR Number	Description
CR 13645	*Numeric fields with decimal places are not displayed correctly. For example, 10.20 is displayed as 10.2.* Corrected.

CR Number	Description
CR 12890	*Dates are not displayed in the correct format. For example, 4/7/2002 displays as 3/8/2002.* Corrected. Dates are now displayed according to the date setting in the *SWDIR***etc\staffpms** file.
CR 12845	*Drop down lists are not populated.* Corrected.
CR 12540	*Implement support for validations.* Implemented.

7.8   Version 9.1(0.0)

CR Number	Description
CR 12487	*When converting a Staffware Form to an ASP Web page using the Forms Converter, the Forms Converter causes fields to become misaligned.* Corrected. See section 3.5.1 on page 6 for more information.
CR 12341	*Implement a new user interface.* Implemented. See section 3.5.2 on page 6 for more information.
CR 11632	*The user interface of the ASP Web Client is unchanged from Staffware 2000/Version 8, and does not reflect the product name changes made for Version 9.* Corrected. See section 3.5.2 on page 6 for more information.
CR 11631	*Only the first page of work items are displayed against a version 8.1 server. For example, if you go to a subsequent page, no work items are displayed.* Corrected.
CR 11592	*Internet Explorer v6 is not supported.* Corrected. This version of the Staffware Process ASP Web Client now supports Internet Explorer V6.
CR 11437	*The QFooter.asp page generates an **Object does not support this property or method** error when more than 50 work items are displayed on a page.* Corrected.
CR 8765	*Sorting by case reference in the Audit Trail gives incorrect results. For example, 1-10 will appear before 1-2.* Corrected.

7.9   Version 9.0(0.0)

CR Number	Description
CR 11351	*Forms that contain hidden conditional text fields cause errors in the Web Client.* Corrected.

CR Number	Description
CR 10990	*If you add data to a work item and then keep the work item, the next time you open the Web Client, the kept data is not displayed.* Corrected.

CR 9910	*The **config.asp** file explains how to add an entry to the Staffware server login list. The example is given as:*
	
	```ports(0)= 2556```
	```ipaddr(0)= 10.10.2.21```
	
	If you follow this example you will get errors.
	
	Corrected. The correct syntax is
	
	```port(0) = 2556```
	```ipaddr(0) = "10.10.56.27"```

CR 9310	*Only one static server is displayed in the node drop down list even if the **config.asp** file in the Staffware **Webclient** directory is configured to allow 2 static servers.* Corrected.
CR 9277	*Configuring the Web Client with an automatic login using an NT Username and password causes errors in the Web Client.* Corrected.

7.10 Version 8

For details of the CRs implemented in Version 8 of the product, please see the *Staffware Web Client (ASP) Version 8 Change History*, which you can find on the product CD in the **docs** folder.