



## TKS Oracle JInit Keywords

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User guide  
2016

## Table of Contents

|  |    |
|--|----|
| TKS Oracle JInit Keywords .....          | 5  |
| Oracle JInit Keyword Help .....          | 6  |
| TKS Oracle JInit Standard Keywords ..... | 7  |
| Standard Object Types .....              | 8  |
| JavaCheckBox .....                       | 9  |
| JavaEdit .....                           | 10 |
| JavaList .....                           | 11 |
| JavaWindow .....                         | 12 |
| Operation .....                          | 13 |
| OracleApplications .....                 | 14 |
| OracleButton .....                       | 15 |
| OracleCheckbox .....                     | 16 |
| OracleFlexWindow .....                   | 17 |
| OracleFormWindow .....                   | 18 |
| OracleList .....                         | 19 |
| OracleListOfValues .....                 | 20 |
| OracleNotification .....                 | 21 |
| OracleNavigator .....                    | 22 |
| OracleRadioGroup .....                   | 23 |
| OracleStatusLine .....                   | 24 |
| OracleTabbedRegion .....                 | 25 |
| OracleTable .....                        | 26 |
| OracleTextField .....                    | 27 |
| OracleTree .....                         | 28 |
| Standard Keywords .....                  | 29 |
| AddEditLineOperation_TKS .....           | 30 |
| ApprovelfExists_TKS .....                | 31 |
| ClickButtonIfExists_TKS .....            | 32 |
| ClickButtonText_TKS .....                | 33 |
| ClickIfExist_TKS .....                   | 35 |
| CloseAllForms .....                      | 36 |
| CloseIfExists_TKS .....                  | 37 |
| CloseWindow_TKS .....                    | 38 |
| Enter_TKS .....                          | 39 |
| EnterField_TKS .....                     | 40 |
| EnterFieldNoValidation_TKS .....         | 41 |
| ExpandSelect_TKS .....                   | 42 |
| MultipleApprove_TKS .....                | 43 |
| OpenDialogIfNotOpen_TKS .....            | 44 |
| OutputToSheet_TKS .....                  | 45 |
| Select_TKS .....                         | 47 |
| SelectJavaListItem .....                 | 49 |
| SelectPath_TKS .....                     | 50 |
| Set_TKS .....                            | 51 |
| Verify_TKS .....                         | 52 |
| VerifyExists_TKS .....                   | 54 |
| VerifyField_TKS .....                    | 56 |
| Wait_TKS .....                           | 57 |
| TKS Oracle JInit Advanced Keywords ..... | 58 |

|                                     |     |
|-------------------------------------|-----|
| Advanced Object Types .....         | 59  |
| JavaEdit .....                      | 60  |
| JavaWindow .....                    | 61  |
| Operation .....                     | 62  |
| OracleCheckBox .....                | 64  |
| OracleFlexWindow .....              | 65  |
| OracleFormWindow .....              | 66  |
| OracleList .....                    | 67  |
| OracleListOfValues .....            | 68  |
| OracleNotification .....            | 69  |
| OracleRadioGroup .....              | 70  |
| OracleStatusLine .....              | 71  |
| OracleTabbedRegion .....            | 72  |
| OracleTable .....                   | 73  |
| OracleTextField .....               | 75  |
| OracleTree .....                    | 76  |
| Advanced Keywords .....             | 77  |
| Approve_TKS .....                   | 81  |
| ApproveWithTimeout_TKS .....        | 82  |
| CheckAllCheckbox_TKS .....          | 83  |
| CheckBoxIfValueExists_TKS .....     | 84  |
| ClickButton .....                   | 85  |
| ClickButtonTillCellEquals_TKS ..... | 86  |
| ClickButtonTillValEquals_TKS .....  | 87  |
| ClickTab .....                      | 88  |
| CloseWindowIfExists_TKS .....       | 89  |
| CompareLocalParameter .....         | 90  |
| CompareValues .....                 | 91  |
| Concatenate .....                   | 92  |
| CreateUniqueIDLength_TKS .....      | 93  |
| EnterFieldFromLOV_TKS .....         | 94  |
| EnterFromLOV_TKS .....              | 95  |
| EnterIfExist_TKS .....              | 96  |
| EnterKeyStroke_TKS .....            | 97  |
| EnterNoValidation_TKS .....         | 98  |
| EnterTextByIndex_TKS .....          | 99  |
| ExitComponentIf_TKS .....           | 100 |
| ExitTestIterationIfFalse_TKS .....  | 101 |
| FindLastCheckNum .....              | 102 |
| FindSelectIfExist_TKS .....         | 103 |
| GetAttachment .....                 | 104 |
| GetAttachmentFromTest .....         | 105 |
| GetAttachmentFromTestObject .....   | 106 |
| GetBPTRunName .....                 | 107 |
| GetBPTTestName .....                | 108 |
| GetColumnNameBySubstring_TKS .....  | 109 |
| GetFieldValue_TKS .....             | 110 |
| GetRecordByGreatestValue_TKS .....  | 111 |
| GetRecordBySubstringValue_TKS ..... | 112 |
| GetRecordByTwoVal_TKS .....         | 113 |

|                                      |     |
|--------------------------------------|-----|
| GetRecordByValue_TKS .....           | 114 |
| GetRecordByValueList_TKS .....       | 115 |
| GetRecordNumber .....                | 116 |
| GetROTitlePropertyByIndex_TKS .....  | 117 |
| Home_TKS .....                       | 118 |
| InvokeSoftkey_TKS .....              | 119 |
| MultipleApproveCancel_TKS .....      | 120 |
| NewRecord_TKS .....                  | 121 |
| OpenTableDialogIfNotOpen_TKS .....   | 122 |
| OracleFormWindowsCount .....         | 123 |
| OutputRequestID_TKS .....            | 124 |
| OutputStatusLineID_TKS .....         | 125 |
| RightClickSelect_TKS .....           | 126 |
| SaveAttachment .....                 | 127 |
| SaveAttachmentToBPTTestRun .....     | 128 |
| SaveAttachmentToTest .....           | 129 |
| SaveAttachmentToTestObj .....        | 130 |
| SelectIfExist_TKS .....              | 131 |
| SelectItemOutputTableValue_TKS ..... | 132 |
| SelectOption_TKS .....               | 134 |
| SendStatusToTestResults_TKS .....    | 135 |
| SetFocus_TKS .....                   | 136 |
| SetFocusToVisibleJavaObj_TKS .....   | 138 |
| SetInputParameter_TKS .....          | 139 |
| SetOutputParameter_TKS .....         | 140 |
| SetStringIf .....                    | 141 |
| SetTabLabel_TKS .....                | 142 |
| SetToParameter_TKS .....             | 143 |
| ShowOptions_TKS .....                | 145 |
| TabToDialogIfNotOpen_TKS .....       | 146 |
| TotalColumnSum_TKS .....             | 147 |
| TriageReport .....                   | 148 |
| VerifyDate_TKS .....                 | 149 |
| VerifyDefault_TKS .....              | 150 |
| VerifyDefaultSelect_TKS .....        | 151 |
| VerifyGreaterOrLess_TKS .....        | 152 |
| VerifyTableDefault_TKS .....         | 153 |
| WaitForWindow_TKS .....              | 154 |

## **TKS Oracle JInit Keywords**





















This is a reference for information about the keywords used for the Oracle E-Business Suite.

## Oracle Jinit Keyword Help

TurnKey Confidential - Do not Distribute





















## TKS Oracle JUnit Standard Keywords

### Modules:

|  |  |
|--|--|
|  <a href="#">JavaCheckBox</a>         | Custom Functions for use with "JavaCheckBox" Test Objects.       |
|  <a href="#">JavaEdit</a>             | Custom Functions for use with "JavaEdit" Test Objects.           |
|  <a href="#">JavaList</a>             | Custom Functions for use with "JavaList" Test Objects.           |
|  <a href="#">JavaWindow</a>           | Custom Functions for use with "JavaWindow" Test Objects.         |
|  <a href="#">Operation</a>            | Custom Operations for use with Oracle.                           |
|  <a href="#">OracleApplications</a>   | Custom Functions for use with "OracleApplications" Test Objects. |
|  <a href="#">OracleButton</a>         | Custom Functions for use with "OracleButton" Test Objects.       |
|  <a href="#">OracleCheckbox</a>      | Custom Functions for use with "OracleCheckbox" Test Objects.     |
|  <a href="#">OracleFlexWindow</a>   | Custom Functions for use with "OracleFlexWindow" Test Objects.   |
|  <a href="#">OracleFormWindow</a>   | Custom Functions for use with "OracleFormWindow" Test Objects.   |
|  <a href="#">OracleList</a>         | Custom Functions for use with "OracleList" Test Objects.         |
|  <a href="#">OracleListOfValues</a> | Custom Functions for use with "OracleListOfValues" Test Objects. |
|  <a href="#">OracleNotification</a> | Custom Functions for use with "OracleNotification" Test Objects. |
|  <a href="#">OracleNavigator</a>    | Custom Functions for use with "OracleNavigator" Test Objects.    |
|  <a href="#">OracleRadioGroup</a>   | Custom Functions for use with "OracleRadioGroup" Test Objects.   |
|  <a href="#">OracleStatusLine</a>   | Custom Functions for use with "OracleStatusLine" Test Objects.   |
|  <a href="#">OracleTabbedRegion</a> | Custom Functions for use with "OracleTabbedRegion" Test Objects. |
|  <a href="#">OracleTable</a>        | Custom Functions for use with "OracleTable" Test Objects.        |
|  <a href="#">OracleTextField</a>    | Custom Functions for use with "OracleTextField" Test Objects.    |
|  <a href="#">OracleTree</a>         | Custom Functions for use with "OracleTree" Test Objects.         |

## Standard Object Types

### Modules:


|  |  |
|--|--|
|  <a href="#">JavaCheckBox</a>         | Custom Functions for use with "JavaCheckBox" Test Objects.       |
|  <a href="#">JavaEdit</a>             | Custom Functions for use with "JavaEdit" Test Objects.           |
|  <a href="#">JavaList</a>             | Custom Functions for use with "JavaList" Test Objects.           |
|  <a href="#">JavaWindow</a>           | Custom Functions for use with "JavaWindow" Test Objects.         |
|  <a href="#">Operation</a>            | Custom Operations for use with Oracle.                           |
|  <a href="#">OracleApplications</a>   | Custom Functions for use with "OracleApplications" Test Objects. |
|  <a href="#">OracleButton</a>         | Custom Functions for use with "OracleButton" Test Objects.       |
|  <a href="#">OracleCheckbox</a>       | Custom Functions for use with "OracleCheckbox" Test Objects.     |
|  <a href="#">OracleFlexWindow</a>    | Custom Functions for use with "OracleFlexWindow" Test Objects.   |
|  <a href="#">OracleFormWindow</a>   | Custom Functions for use with "OracleFormWindow" Test Objects.   |
|  <a href="#">OracleList</a>         | Custom Functions for use with "OracleList" Test Objects.         |
|  <a href="#">OracleListOfValues</a> | Custom Functions for use with "OracleListOfValues" Test Objects. |
|  <a href="#">OracleNotification</a> | Custom Functions for use with "OracleNotification" Test Objects. |
|  <a href="#">OracleNavigator</a>    | Custom Functions for use with "OracleNavigator" Test Objects.    |
|  <a href="#">OracleRadioGroup</a>   | Custom Functions for use with "OracleRadioGroup" Test Objects.   |
|  <a href="#">OracleStatusLine</a>   | Custom Functions for use with "OracleStatusLine" Test Objects.   |
|  <a href="#">OracleTabbedRegion</a> | Custom Functions for use with "OracleTabbedRegion" Test Objects. |
|  <a href="#">OracleTable</a>        | Custom Functions for use with "OracleTable" Test Objects.        |
|  <a href="#">OracleTextField</a>    | Custom Functions for use with "OracleTextField" Test Objects.    |
|  <a href="#">OracleTree</a>         | Custom Functions for use with "OracleTree" Test Objects.         |



## JavaCheckBox

Custom Functions for use with "JavaCheckBox" Test Objects.


### Methods:

| Name  | Description  |
|---|--|
|  <a href="#">Set TKS</a> | This keyword checks or unchecks a checkbox per the data sheet specifications (ON/OFF). If the data sheet is left blank, this step will be skipped and execution will continue. |

## JavaEdit

Custom Functions for use with "JavaEdit" Test Objects.


### Methods:

| Name  | Description  |
|---|--|
|  <a href="#">Set_TKS</a> | This keyword enters a specified data value. If the value is left blank, this step will be skipped and execution will continue. |

## JavaCheckBox

Custom Functions for use with "JavaList" Test Objects.

### Methods:

| Name   | Description  |
|--|--|
|  <a href="#">SelectJavaListItem</a> | This keyword finds and selects an item from a Java List by matching the input values provided. |

## JavaWindow

Custom Functions for use with "JavaWindow" Test Objects.





### Methods:

| Name   | Description   |
|--|---|
|  <a href="#">VerifyExists_TKS</a> | This keyword verifies that a specified Java Window opens. |

## Operation

Custom Operations for use with Oracle.


### Methods:

| Name  | Description   |
|---|---|
|  <a href="#">ClickButtonIfExists_TKS</a> | This keyword clicks a button based on the input arguments provided in the Datasheet (the parent window title, the button label and the tab title) if the button exists.   |
|  <a href="#">CloseAllForms</a>           | This keyword closes all open Oracle forms, returning the user to the Navigator screen. If any forms or windows are closed, the status will be reported to Test Results. This is used as part of the DataLoad component and not generally needed outside this component. |
|  <a href="#">CloseWindow_TKS</a>         | This form closes a window based on the title of the parent window. This method can be useful in a reusable context where it is unknown at development time what form will be present.   |
|  <a href="#">Wait_TKS</a>                | This keyword waits for certain number of seconds. If left blank, this step is skipped and execution will continue.  |

## OracleApplications

Custom Functions for use with "OracleApplications" Test Objects.


### Methods:

| Name   | Description  |
|--|--|
|  <a href="#">VerifyExists_TKS</a> | This keyword verifies that a specified Oracle window, OracleFlexWindow, OracleListOfValues, or OracleNotification opens. |

## OracleButton

Custom Functions for use with "OracleButton" Test Objects.



### Methods:

| Name   | Description  |
|--|--|
|  <a href="#">ClickIfExist_TKS</a> | This keyword clicks a button only if it exists. If it does not exist, execution will continue. |

## OracleCheckbox

Custom Functions for use with "OracleCheckbox" Test Objects.

### Methods:



| Name   | Description  |
|--|--|
|  <a href="#">Select_TKS</a> | This keyword sets a checkbox value to on or off as specified in the Datasheet. If nothing is specified for the checkbox in the Datasheet, this step will be skipped and execution will continue. |
|  <a href="#">Verify_TKS</a> | This keyword verifies that the actual value matches the expected value. If the expected value is left empty, this step will be skipped and execution will continue.                              |



## OracleFlexWindow

Custom Functions for use with "OracleFlexWindow" Test Objects.




### Methods:

| Name  | Description  |
|---|--|
|  <a href="#">ClickButtonText_TKS</a> | This keyword clicks a button on a window that displays the text in the LabelText parameter.                              |
|  <a href="#">VerifyExists_TKS</a>    | This keyword verifies that a specified Oracle window, OracleFlexWindow, OracleListOFValues, or OracleNotification opens. |

## OracleFormWindow

Custom Functions for use with "OracleFormWindow" Test Objects.




### Methods:

| Name  | Description  |
|---|--|
|  <a href="#">ClickButtonText_TKS</a> | This keyword clicks a button on a window that displays the text in the LabelText parameter.                              |
|  <a href="#">CloseIfExists_TKS</a>   | This keyword will close a window if it is open.  |
|  <a href="#">VerifyExists_TKS</a>    | This keyword verifies that a specified Oracle window, OracleFlexWindow, OracleListOfValues, or OracleNotification opens. |

## OracleList

Custom Functions for use with "OracleList" Test Objects.



### Methods:

| Name  | Description   |
|---|---|
|  <a href="#">OutputToSheet_TKS</a> | This keyword retrieves the value from the selected object and outputs it to the specified data spreadsheet column.  |
|  <a href="#">Select_TKS</a>        | This keyword selects a specified item in a list of values. If no data value is specified, this step will be skipped and execution will continue.                    |
|  <a href="#">Verify_TKS</a>        | This keyword verifies that the actual value matches the expected value. If the expected value is left empty, this step will be skipped and execution will continue. |

## OracleListOfValues

Custom Functions for use with "OracleListOfValues" Test Objects.





### Methods:

| Name   | Description   |
|--|---|
|  <a href="#">Select_TKS</a>       | This keyword selects a specified item in a list of values.<br>If no data value is specified, this step will be skipped and execution will continue. |
|  <a href="#">VerifyExists_TKS</a> | This keyword verifies that a specified Oracle window, OracleFlexWindow, OracleListOfValues, or OracleNotification opens.                            |

## OracleNotification

Custom Functions for use with "OracleNotification" Test Objects.


### Methods:

| Name  | Description  |
|---|--|
|  <a href="#">ApproveIfExists_TKS</a> | This keyword retrieves the Request ID, Journal number or the first number found in a notification message in the notification window for multiple formats. In the message, if the ID comes after a numeric string without prefix of " ID", " Request" or " Number," then use the ParseNumberFromText function directly, or modify this function to check for a new prefix. |
|  <a href="#">ClickButtonText_TKS</a> | This keyword clicks a button on a window that displays the text in the LabelText parameter.  |
|  <a href="#">MultipleApprove_TKS</a> | This keyword optionally approves multiple instances of an Oracle notification window, if it is present. A screenshot of the window will be placed in Test Results and attached to Run Results. If the notification windows are not present, this step will be skipped and execution will continue.   |
|  <a href="#">VerifyExists_TKS</a>    | This keyword verifies that a specified Oracle window, OracleFlexWindow, OracleListOfValues, or OracleNotification opens.   |

## OracleNavigator

Custom Functions for use with "OracleNavigator" Test Objects.



### Methods:

| Name   | Description  |
|--|--|
|  <a href="#">SelectPath_TKS</a> | This keyword will select a path in the navigator form. |

## OracleRadioGroup

Custom Functions for use with "OracleRadioGroup" Test Objects.


### Methods:

| Name   | Description   |
|--|---|
|  <a href="#">Select_TKS</a> | This keyword selects a specified radio button in an OracleRadioGroup. If no data value is specified, this step will be skipped and execution will continue.         |
|  <a href="#">Verify_TKS</a> | This keyword verifies that the actual value matches the expected value. If the expected value is left empty, this step will be skipped and execution will continue. |

## OracleStatusLine

Custom Functions for use with "OracleStatusLine" Test Objects.

### Methods:



| Name   | Description   |
|--|---|
|  <a href="#">Verify_TKS</a> | This keyword verifies that the actual date matches the expected date. |



## OracleTabbedRegion

Custom Functions for use with "OracleTabbedRegion" Test Objects.







### Methods:

| Name  | Description  |
|---|--|
|  <a href="#">ClickButtonText_TKS</a> | This keyword clicks a button on a window that displays the text in the LabelText parameter.  |
|  <a href="#">Select_TKS</a>          | This keyword selects the tab as specified, as long as it exists and is enabled. If the tab does not exist, this step is skipped and execution will continue. |

## OracleTable

Custom Functions for use with "OracleTable" Test Objects.





### Methods:

| Name   | Description   |
|--|---|
|  <a href="#">AddEditLineOperation_TKS</a>   | This keyword will either Add or Edit a line in a table.   |
|  <a href="#">EnterField_TKS</a>             | This keyword enters a value into a cell of a table. If the record number or the data value is blank, it will skip the entry and continue with execution.          |
|  <a href="#">EnterFieldNoValidation_TKS</a> | This keyword enters a value into a cell of a table. If the record number is blank or the data value is blank, it will skip the entry and continue with execution. |
|  <a href="#">OpenDialogIfNotOpen_TKS</a>    | This keyword opens a dialog window for a cell in a table if the dialog is not already open. This is most commonly used to open Oracle Flex Fields from a table.   |
|  <a href="#">OutputToSheet_TKS</a>          | This keyword retrieves the value from the selected cell in the table object and outputs it to the specified data spreadsheet column.                              |
|  <a href="#">VerifyField_TKS</a>            | This keyword verifies a data value specified in a data sheet with a value within a cell in a table.   |

## OracleTextField

Custom Functions for use with "OracleTextField" Test Objects.


### Methods:

| Name  | Description   |
|---|---|
|  <a href="#">Enter_TKS</a>               | This keyword optionally enters a value into a field after looking for tags.   |
|  <a href="#">OpenDialogIfNotOpen_TKS</a> | This keyword opens a dialog window from an Oracle Text Field if the window is not already open.   |
|  <a href="#">OutputToSheet_TKS</a>       | This keyword retrieves the value from the selected object and outputs it to the specified data spreadsheet column.  |
|  <a href="#">Verify_TKS</a>              | This keyword verifies that the actual value matches the expected value. If the expected value is left empty, this step will be skipped and execution will continue. |

## OracleTree

Custom Functions for use with "OracleTree" Test Objects.

### Methods:

| Name   | Description  |
|--|--|
|  <a href="#">ExpandSelect_TKS</a> | This keyword will expand each node of an Oracle tree path and then select/activate the last node shown in the tree path. |

## Standard Keywords

### Keywords:

 [AddEditLineOperation\\_TKS](#)

This keyword will either Add or Edit a line in a table based on the input parameters.

 [ApproveIfExists\\_TKS](#)

This keyword will check to see if a notification window is open. If the notification exists Yes or OK or Continue (whichever button is on the window that will approve it). If the continue without failing but will report to the run results that no notification opened.

 [ClickButtonIfExists\\_TKS](#)

This keyword clicks a button based on the input arguments provided in the Datasheet label and the tab title) if the button exists.

 [ClickButtonText\\_TKS](#)

This keyword clicks a button on a window that displays the text in the LabelText parameter.

 [ClickIfExist\\_TKS](#)

This keyword clicks a button only if it exists.

 [CloseAllForms](#)

This keyword closes all open Oracle forms, returning the user to the Navigator screen.

 [CloseIfExists\\_TKS](#)

This keyword will close a window if it is open.

 [CloseWindow\\_TKS](#)

This form closes a window based on the title of the parent window.

 [Enter\\_TKS](#)

This keyword optionally enters a value into a field.

 [EnterField\\_TKS](#)

This keyword enters a value into a cell of a table.

 [EnterFieldNoValidation\\_TKS](#)

This keyword enters a value into a cell of a table without a verification.

 [ExpandSelect\\_TKS](#)

This keyword enters a value into a cell of a table without a verification.

 [MultipleApprove\\_TKS](#)

This keyword optionally approves multiple instances of an Oracle notification window.

 [OpenDialogIfNotOpen\\_TKS](#)

This keyword opens a dialog window for a cell in a table if the dialog is not already open.

 [OutputToSheet\\_TKS](#)

This keyword retrieves the value from the selected object and outputs it to the specified sheet.

 [Select\\_TKS](#)

This keyword checks or unchecks a checkbox per the data sheet specifications (ON/OFF).

 [SelectJavaListItem](#)

This keyword finds and selects an item from a Java List by matching the input values.

 [SelectPath\\_TKS](#)

This keyword will select a path in the navigator form.

 [Set\\_TKS](#)

This keyword enters a specified data value.

 [Verify\\_TKS](#)

This keyword verifies that the actual value matches the expected value.

 [VerifyExists\\_TKS](#)

This keyword verifies that a specified Java Window opens.

 [VerifyField\\_TKS](#)


This keyword verifies a data value specified in a data sheet with a value in a cell in a table.

 [Wait\\_TKS](#)

This keyword waits for certain number of seconds.

## AddEditLineOperation\_TKS

This keyword will either Add or Edit a line in a table based on the input parameters. If it is to Add a line, the first blank record number (row) will be used. If it is to Edit a line, it will use the search column and search value provided to find the correct record number (row).

| Item  | Operation                | Input  | Output                          |
|---|--------------------------|--|---------------------------------|
|  OracleTable | AddEditLineOperation_TKS | Parameter ("AddEditLine"),<br>Parameter ("SearchColumn"),<br>Parameter ("SearchValue") | LocalParameter ("RecordNumber") |

### Parameters

#### AddEditLine

This value will determine which action is taken on the table. If the value is "Add", the first blank record number (row) will be found and the focus will be set to it so that data will be entered into the new row. If the value is "Edit", the record number (row) that contains the searched for value in the searched column will be found and the focus will be set to it so the data in that row can be edited. If the value is set to a numeric value, that is the record number (row) that the focus will be set to so the data in that row can be edited. It is only recommended to use the numeric value if the same row will be interacted with every time the test scenario is run.

#### SearchColumn

This is the name of the column to search in for the data value given in the SearchValue parameter. This need only have a value if "Edit" is being used in the AddEditLine parameter.

#### SearchValue

This is the data value to search for in the column given in the SearchColumn parameter. This need only have a value if "Edit" is being used in the AddEditLine parameter.

### Return Values

This keyword will return the record number of the current record that the focus was set to. It is typically saved to a Local Parameter so the row number can be used in subsequent automation steps in the component.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to Load the data from the Datasheet and verify that the AutoAllocation Workbench form has opened in the Datasheet. The next step is to use the AddEditLineOperation\_TKS keyword. This will output a LocalParameter called Record\_Number that is the row in the table to automate. The row will be determined by the values provided by the user in the Datasheet. The next step is an operation called SetOutputParameter\_TKS that will take the LocalParameter Record\_Number and convert it into an output parameter for the component so that it could be used to link another component to this one.

|                          |                          |                                |                                |
|--------------------------|--------------------------|--------------------------------|--------------------------------|
| Operation                | LoadData                 | Parameter("AddEditLine")       | LocalParameter("RecordNumber") |
| AutoAllocation Workbench | VerifyExists_TKS         | Parameter("SearchColumn")      | Parameter("RecordNumber")      |
| ALLOCATION_BATCHES       | AddEditLineOperation_TKS | Parameter("SearchValue")       | LocalParameter("RecordNumber") |
| Operation                | SetOutputParameter_TKS   | LocalParameter("RecordNumber") | Parameter("RecordNumber_Out")  |

## ApproveIfExists\_TKS

This keyword will check to see if a notification window is open. If the notification exists, it will be approved by clicking Yes or OK or Continue (whichever button is on the window that will approve it). If the window is not open, the test will continue without failing but will report to the run results that no notification opened.

| Item   | Operation           | Input                  | Output |
|--|---------------------|------------------------|--------|
|  OracleNotification | ApproveIfExists_TKS | Parameter ("Contains") |        |




### Parameters

#### *Contains*

This is the block of text to match in notification message to identify the correct note.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to load the data from the Datasheet and capture a screenshot of the application and title the screenshot Notification Window. Then the notification will be approved if the notification window contains the value provided in the Contains column of the Datasheet.

|  |                       |                       |
|--|-----------------------|-----------------------|
|  Operation            | LoadData              |                       |
|  Generic Notification | CaptureScreenClip_TKS | "Notification Window" |
|  Generic Notification | ApproveIfExists_TKS   | Parameter("Contains") |

## ClickButtonIfExists\_TKS

This keyword clicks a button based on the input arguments provided in the Datasheet (the parent window title, the button label and the tab title) if the button exists. If the form that is named in the formTitle argument is not found in the time provided in the formTimeout argument, this automation step will report an error to the run results.

| Item  | Operation               | Input  | Output |
|---|-------------------------|--|--------|
|  Operation | ClickButtonIfExists_TKS | Parameter<br>("formTitle"),<br>Parameter<br>("buttonLabel"),<br>Parameter<br>("tabRegionLabel"),<br>Parameter<br>("formTimeout") |        |

### Parameters

*formTitle*

This is the title on the Oracle form where the button is located.

*buttonLabel*

This is the text on the button to be clicked.

*tabRegionLabel*

This is the title of the tab where the button is located.

*formTimeout*

This is the number of seconds to wait for the Oracle form before reporting an error.

### Example





Here is an example of a component that is using this keyword. The order of the steps are to verify that the Account Inquiry form is open within 90 seconds. Then the button provided in the Button\_Label column of the Datasheet that is on the tab provided in the Tab\_Region column of the Datasheet which is on the form provided in the Form\_Title column of the Datasheet will be clicked within the number of seconds provided in the Timeout column of the Datasheet. Next the value provided in the Currency\_Type column of the Datasheet will be selected from the list in the Currency|Type OracleList.

|                 |                         |  |
|-----------------|-------------------------|--|
| Account Inquiry | VerifyExists_TKS        |  |
| Operation       | ClickButtonIfExists_TKS | Parameter("Form_Title"),Parameter("Button_Label"),Parameter("Tab_Region"),Parameter("Timeout") |
| Currency Type   | Select_TKS              | Parameter("Currency_Type")   |



## ClickButtonText\_TKS

This keyword clicks any button on a window. Just provide the text of the button on the form that is to be clicked. If no button label is provided, the automation step will be skipped.

| Item   | Operation           | Input                     | Output |
|--|---------------------|---------------------------|--------|
|  OracleFlexWindow   |                     |                           |        |
|  OracleFormWindow   |                     |                           |        |
|  OracleNotification |                     |                           |        |
|  OracleTabbedRegion | ClickButtonText_TKS | Parameter ("ButtonLabel") |        |




### Parameters

*ButtonLabel*




This is the label of the button to click. If this value is left blank, this step will be skipped and execution will continue.

### Example




Here is an example of a component that is using this keyword. The order of the steps are to Open the Location Flexfield from the Location TextField object and then to click the button on the Location Flexfield that is supplied by the user in the Button\_Label column of the Datasheet. Next, the Site TextField will be searched for and if it is found, the value provided by the user in the Site column of the Datasheet will be entered into the Site TextField.

|  |                         |                           |
|--|-------------------------|---------------------------|
|  Location           | OpenDialogIfNotOpen_TKS | "Location Flexfield"      |
|  Location Flexfield | ClickButtonText_TKS     | Parameter("Button_Label") |
|  Site               | EnterIfExist_TKS        | Parameter("Site")         |




Here is an example of a component that is using this keyword. The order of the steps are to enter the value in the Lease\_Number\_Description column of the Datasheet into the Lease Number Description EditField. Next a screenshot of the application will be taken and titled Find Assets Form in the run results. Next the button that is provided in the Button\_Label column of the Datasheet will be clicked if it is found on the Find Assets OracleFormWindow.

|  |                       |                                       |
|--|-----------------------|---------------------------------------|
|  Lease Number Description | Enter_TKS             | Parameter("Lease_Number_Description") |
|  Find Assets              | CaptureScreenClip_TKS | "Find Assets Form"                    |
|  Find Assets              | ClickButtonText_TKS   | Parameter("Button_Label")             |

Here is an example of a component that is using this keyword. The order of the steps are to load the data from the Datasheet and then approve the number of notifications that is provided in the NumberOfWindows column of the Datasheet. The status that will be reported to the run results will be based on whether or not the notifications were successfully approved and the value provided in the Status column of the Datasheet. Then the button that is provided in the Button\_Label column of the Datasheet will be clicked if it is found on the Notification window.


|  |                     |  |
|--|---------------------|--|
|  Operation            | LoadData            |  |
|  Generic Notification | MultipleApprove_TKS | Parameter("NumberOfWindows"),Parameter("Status") |
|  Generic Notification | ClickButtonText_TKS | Parameter("Button_Label")                        |

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Distributions form is open within 90 seconds. Next the button provided in the Button\_Label column of the Datasheet will be clicked if it is found in the More Tab on the Distributions form. Next the AddEditLine step will determine the row in the PO\_DISTRIBUTIONS OracleTable to work with based on the values provided in the AddEditLine, Search\_Column, and Search\_Value columns of the Datasheet.

|  |                          |   |
|--|--------------------------|---|
|  Distributions    | VerifyExists_TKS         |   |
|  More             | ClickButtonText_TKS      | Parameter("Button_Label")   |
|  PO_DISTRIBUTIONS | AddEditLineOperation_TKS | Parameter("AddEditLine"),Parameter("Search_Column"),Parameter("Search_Value") |






## ClickIfExist\_TKS

This keyword clicks a button only if it exists. If it does not exist, execution will continue without reporting a failure to the run results.

| Item   | Operation        | Input | Output |
|--|------------------|-------|--------|
|  OracleButton | ClickIfExist_TKS |       |        |


### Example

Here is an example of a component that is using this keyword. The order of the steps are to open the Category Flexfield Oracle FlexWindow from the Category field. Then a verification step will check to see if the Category Flexfield is open and enter the data that is in the Category\_Major and Category\_Minor into the respective fields if they are found on the Category Flexfield Oracle FlexWindow. Finally, the OK button on the FlexWindow will be clicked if it is found in the application.

|  |                         |                             |
|--|-------------------------|-----------------------------|
|  Category           | OpenDialogIfNotOpen_TKS | "Category Flexfield"        |
|  Category Flexfield | VerifyExists_TKS        |                             |
|  Major Category     | EnterIfExist_TKS        | Parameter("Category_Major") |
|  Minor Category     | EnterIfExist_TKS        | Parameter("Category_Minor") |
|  OK                | ClickIfExist_TKS        |                             |

## CloseAllForms

This keyword closes all open Oracle forms, returning the user to the Navigator screen. If any forms or windows are closed, the status will be reported to Test Results. This is used as part of the Return To Navigator component and not generally needed outside this component.

| Item  | Operation     | Input                        | Output |
|---|---------------|------------------------------|--------|
|  Operation | CloseAllForms | Parameter<br>("eventStatus") |        |





### Parameters

*eventStatus*

This is the status to be reported to Test Results if any forms have to be closed. The possible values are micFail/micPass/micWarning/micGeneral.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the value in the Description EditField is equal to the value provided in the Description column of the Datasheet. Then a screenshot of the application will be taken and titled Account Inquiry Header in the run results and the button provided in the Button\_Label column of the Datasheet will be clicked. Next all open forms in the application will be closed.

|   |                       |                           |
|---|-----------------------|---------------------------|
|  Description     | Verify_TKS            | Parameter("Description")  |
|  Account Inquiry | CaptureScreenClip_TKS | "Account Inquiry Header"  |
|  Account Inquiry | ClickButtonText_TKS   | Parameter("Button_Label") |
|  Operation       | CloseAllForms         | Parameter("eventStatus")  |




## CloseIfExists\_TKS

This keyword will close a window if it is open.

| Item   | Operation         | Input | Output |
|--|-------------------|-------|--------|
|  OracleFormWindow | CloseIfExists_TKS |       |        |


### Example

Here is an example of a component that is using this keyword. The order of the steps are to check or uncheck the Amortize Adjustment and New Category and Description checkboxes based on the values provided in the Amortize\_Adjustment and New\_Category\_and\_Description columns of the Datasheet. Then the Add to Asset Form will be closed if it is found to be open.

|  |                   |   |
|--|-------------------|---|
|  Amortize Adjustment          | Select_TKS        | Parameter("Amortize_Adjustment")          |
|  New Category and Description | Select_TKS        | Parameter("New_Category_and_Description") |
|  Add to Asset                 | CloSelfExists_TKS |   |

## CloseWindow\_TKS

This form closes a window based on the title of the title provided. This method can be useful in a reusable context where it is unknown at development time what form will be present.

| Item  | Operation       | Input   | Output |
|---|-----------------|---|--------|
|  Operation | CloseWindow_TKS | Parameter<br>("FormTitle"),<br>Parameter<br>("FormTimeOut") |        |

### Parameters

#### *FormTitle*





This is the title on the form to close.

#### *FormTimeOut*

This is the number of seconds to find the form in the application before it tries to close the form. If you provide 0 for the FormTimeOut, you are telling the tool that the form should already be open. If the tool does not find the form in the given time, it will report an error to the run results.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the value in the Description EditField is equal to the value provided in the Description column of the Datasheet. Then a screenshot of the application will be taken and titled Account Inquiry Header and the button provided in the Button\_Label column of the Datasheet will be clicked. Next form that has the title provided in the Form\_Title column of the Datasheet will be closed within the number of seconds provided in the Timeout column of the Datasheet.

|   |                       |  |
|---|-----------------------|--|
|  Description     | Verify_TKS            | Parameter("Description")                     |
|  Account Inquiry | CaptureScreenClip_TKS | "Account Inquiry Header"                     |
|  Account Inquiry | ClickButtonText_TKS   | Parameter("Button_Label")                    |
|  Operation       | CloseWindow_TKS       | Parameter("Form_Title"),Parameter("Timeout") |

## Enter\_TKS

This keyword optionally enters a value into a field.

| Item  | Operation | Input                   | Output |
|---|-----------|-------------------------|--------|
|  OracleTextField | Enter_TKS | Parameter ("DataValue") |        |

### Parameters

#### *DataValue*

This is the tag or value to enter into the field and is typically a component parameter with the value being taken from the Datasheet at runtime. If you provide a value other than one of the tags provided, the exact value you enter in the Datasheet will be entered into the OracleTextField.

Some Useful Tags: (To see a full list of available tags, please reference the Index tab of any of your Datasheets)

<CLEAR> = clear out the value currently in that cell.

blank "" = skip entry and continue execution.

<UniqueID> = Tag is replaced with a uniquely generated number.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify the value in the Transfer Date OracleTextField matches the value provided in the Transfer\_Date column of the Datasheet, and then enter the value in the Comments column of the Datasheet into the Comments OracleTextField. Next the value provided in the Distribution\_Set column of the Datasheet will be selected from the list of the Distribution Set OracleList field.

|  |            |                               |
|--|------------|-------------------------------|
|  Transfer Date    | Verify_TKS | Parameter("Transfer_Date")    |
|  Comments         | Enter_TKS  | Parameter("Comments")         |
|  Distribution Set | Select_TKS | Parameter("Distribution_Set") |

## EnterField\_TKS

This keyword enters a value into a cell of a table. Once the value is entered into the cell, this keyword verifies that it was actually entered in the application. If the record number or the data value is blank, it will skip the entry and continue with execution.

| Item  | Operation      | Input   | Output |
|---|----------------|---|--------|
|  OracleTable | EnterField_TKS | LocalParameter ("RecordNumber"),<br>"ColumnName", Parameter ("DataValue") |        |

### Parameters

#### *RecordNumber*

This is the record number (row) into which to enter data. This is typically the Local Parameter "RecordNumber" that is determined by the AddEditLineOperation\_TKS keyword.

#### *ColumnName*





This is the name of the column into which to enter data. This is typically a constant value (because you always want to enter data in the same column for a given automation step) and you will have an automation step for every column present in a table.

#### *DataValue*

This is the data value to enter into the cell. If the cell is a check box, use the values of "ON", "OFF", <ON>, <OFF>, TRUE, or FALSE. If the cell is to be cleared, use <CLEAR> as the value. If the cell is a Text Field or a List of Values, provide the exact text of the value to be typed in or selected.

### Example


Here is an example of a component that is using this keyword. The order of the steps are to verify the AutoAllocation Workbench form is open in the application, use the AddEditLineOperation\_TKS keyword to determine what row to modify in the table and save it in a LocalParameter Record\_Number. Then set that row number to an output parameter of the component called Record\_Number\_Out. The next step is to use the EnterField\_TKS keyword to enter the value provided in the Step column of the Datasheet into the cell of the table corresponding to the row that is being edited and the "Step" column.

|  |                          |   |                                 |
|--|--------------------------|---|---------------------------------|
|  AutoAllocation Workbench | VerifyExists_TKS         |   |                                 |
|  ALLOCATION_BATCHES       | AddEditLineOperation_TKS | Parameter("AddEditLine"),Parameter("Search_Column"),Parameter("Search_Value") | LocalParameter("Record_Number") |
|  Operation                | SetOutputParameter_TKS   | LocalParameter("Record_Number")   | Parameter("Record_Number_Out")  |
|  ALLOCATION_BATCHES       | EnterField_TKS           | LocalParameter("Record_Number"),"Step",Parameter("Step")                      |                                 |



## EnterFieldNoValidation\_TKS

This keyword enters a value into a cell of a table without a verification. If the record number is blank or the data value is blank, it will skip the entry and continue with execution.

| Item  | Operation                  | Input  | Output |
|---|----------------------------|--|--------|
|  OracleTable | EnterFieldNoValidation_TKS | LocalParameter (RecordNumber),<br>"ColumnName", Parameter<br>("DataValue") |        |

### Parameters

#### *RecordNumber*

This is the record number (row) into which to enter data. This is typically the Local Parameter "RecordNumber" that is determined by the AddEditLineOperation\_TKS keyword.

#### *ColumnName*





This is the name of the column into which to enter data. This is typically a constant value (because you always want to enter data in the same column for a given automation step) and you will have an automation step for every column present in a table.

#### *DataValue*

This is the data value to enter into the cell. If the cell is a check box, use the values of "ON", "OFF", <ON>, <OFF>, TRUE, or FALSE. If the cell is to be cleared, use <CLEAR> as the value. If the cell is a Text Field or a List of Values, provide the exact text of the value to be typed in or selected.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify the AutoAllocation Workbench form is open in the application, use the AddEditLineOperation\_TKS keyword to determine what row to work with and set that row number to an Output Parameter of the component. The next step is to enter the value specified in the Datasheet by the user in the Step column into the cell of the table corresponding to the row that is being edited and the "Step" column without verifying that this action has taken place.

|  |                            |   |                                 |
|--|----------------------------|---|---------------------------------|
|  AutoAllocation Workbench | VerifyExists_TKS           |   |                                 |
|  ALLOCATION_BATCHES       | AddEditLineOperation_TKS   | Parameter("AddEditLine"),Parameter("Search_Column"),Parameter("Search_Value") | LocalParameter("Record_Number") |
|  Operation                | SetOutputParameter_TKS     | LocalParameter("Record_Number")   | Parameter("Record_Number_Out")  |
|  ALLOCATION_BATCHES       | EnterFieldNoValidation_TKS | LocalParameter("Record_Number"),"Step",Parameter("Step")                      |                                 |

## ExpandSelect\_TKS

This keyword will expand each node of an Oracle tree path and then select/activate the last node shown in the tree path.

| Item   | Operation        | Input                  | Output |
|--|------------------|------------------------|--------|
|  OracleTree | ExpandSelect_TKS | Parameter ("TreePath") |        |

### Parameters

*TreePath*

This is the path to follow. Each node in a tree path should be separated by "->". If this is left blank, this step will be skipped and execution will continue.


### Example

Here is an example of a component that is using this keyword. A step with object type as Oracle Tree is present in the business component. The user needs to provide a value in Parameter **Groups** such as **Root->Node1->Node2** in the Datasheet. The keyword ExpandSelect\_TKS will then expand the oracle tree for that path and the last node provided will be selected.



## MultipleApprove\_TKS

This keyword optionally approves multiple instances of an Oracle notification window, if it is present. A screenshot of the window will be placed in the run results. If the notification windows are not present, this step will be skipped and execution will continue.

| Item   | Operation           | Input                                 | Output |
|--|---------------------|---------------------------------------|--------|
|  OracleNotification | MultipleApprove_TKS | Parameter ("NumTimes"), "EventStatus" |        |

### Parameters

#### *NumTimes*



This is the number of windows that will be approved.

#### *EventStatus*

This is the status that will be shown in the test results for each instance of the notification windows that are approved. The available status are micFail/micGeneral/micWarning/micPass.



### Example

Here is an example of a component that is using this keyword. The order of the steps are to load the data from the Datasheet and then approve the number of notifications that is provided in the NumberOfWindows column of the Datasheet. The status that will be reported to the run results will be based on whether or not the notifications were successfully approved and the value provided in the Status column of the Datasheet. Then the button that is provided in the Button\_Label column of the Datasheet will be clicked if it is found on the Notification window.

| Operation  | LoadData            |  |
|--|---------------------|--|
|  Generic Notification | MultipleApprove_TKS | Parameter("NumberOfWindows"),Parameter("Status") |
|  Generic Notification | ClickButtonText_TKS | Parameter("Button_Label")                        |

## OpenDialogIfNotOpen\_TKS

This keyword is used to open Oracle Flex Fields from a table or text field. This needs to be added for any of the DFFs that are active on a particular form.

| Item  | Operation               | Input                           | Output |
|---|-------------------------|---------------------------------|--------|
|  OracleTable     | OpenDialogIfNotOpen_TKS | LocalParameter (RecordNumber"), |        |
|  OracleTextField |                         | "ColumnName",<br>"DialogTitle"  |        |

### Parameters

*RecordNumber (Only when using this keyword with the OracleTable object)*

This is the record number (row) for which the dialog window is to be opened.

*ColumnName (Only when using this keyword with the OracleTable object)*







This is the column name for which the dialog window is to be opened.

*DialogTitle*

This is the title of the dialog window to be opened.

### Example

Here is an example of a component that is using this keyword. The order of the steps are to open the PO Distributions Flex Form from the row saved in the LocalParameter Record\_Number and column [ ] and then verify that the PO Distributions Flex Form is open within 90 seconds. Then the value in the Context EditField will be compared to the value in the Context column of the Datasheet to verify they are equal. Then the values in the Project\_Number and Task\_Number columns of the Datasheet will be entered into the Project Number and Task Number EditFields and the OK button will be clicked if it is found in the application.




|  |                         |  |
|--|-------------------------|--|
|  PO_DISTRIBUTIONS | OpenDialogIfNotOpen_TKS | LocalParameter("Record_Number")."[ ]","PO Distributions" |
|  PO Distributions | VerifyExists_TKS        |  |
|  Context          | Verify_TKS              | Parameter("Context")                                     |
|  Project Number   | Enter_TKS               | Parameter("Project_Number")                              |
|  Task Number      | Enter_TKS               | Parameter("Task_Number")                                 |
|  OK               | ClickIfExist_TKS        |  |

Here is an example of a component that is using this keyword. The order of the steps are to open the Category Flexfield Oracle FlexWindow from the Category field. Then a verification step will check to see if the Category Flexfield is open and enter the data that is in the Category\_Major and Category\_Minor columns of the Datasheet into the Major Category and Minor Category fields if they are found in the application. Next, the OK button on the FlexWindow will be clicked if it is found in the application.

|  |                         |                             |
|--|-------------------------|-----------------------------|
|  Category           | OpenDialogIfNotOpen_TKS | "Category Flexfield"        |
|  Category Flexfield | VerifyExists_TKS        |                             |
|  Major Category     | EnterIfExist_TKS        | Parameter("Category_Major") |
|  Minor Category     | EnterIfExist_TKS        | Parameter("Category_Minor") |
|  OK                 | ClickIfExist_TKS        |                             |

## OutputToSheet\_TKS

This keyword retrieves the value from the selected object and outputs it to the specified data spreadsheet column.

| Item  | Operation         | Input  | Output                  |
|---|-------------------|--|-------------------------|
|  OracleList      |                   |  |                         |
|  OracleTable     |                   | LocalParameter (RecordNumber"),<br>"ColumnName", | Parameter               |
|  OracleTextField | OutputToSheet_TKS | "SheetColumnName"                                | ("SheetColumnName_Out") |

### Parameters

*RecordNumber (Only when using this keyword with the OracleTable object)*

This is the record number (row) of the cell containing the data to be output.

*ColumnName (Only when using this keyword with the OracleTable object)*

This is the column name or index of the cell containing the data to be output.

*SheetColumnName*

This is the name of the column header in the spreadsheet to receive the output data. This does not have to match the output parameter name, although in most cases it is preferred.

### Return Values

This keyword will return the data retrieved from the object and save it into the column in the spreadsheet.

### Example

Here is an example of a component that is using this keyword. The order of the steps are to Load the data from the Datasheet and verify that the Account Inquiry form is opened in the application. Next is to use the OutputToSheet\_TKS keyword to capture the value that is in the Currency Type OracleList and save it into an output parameter called Currency\_Type\_Out as well as save it in the Datasheet in the Currency\_Type column.



|                 |          |                  |                   |                 |                                |
|-----------------|----------|------------------|-------------------|-----------------|--------------------------------|
| Operation       | LoadData | VerifyExists_TKS | OutputToSheet_TKS | "Currency_Type" | Parameter("Currency_Type_Out") |
| Account Inquiry |          |                  |                   |                 |                                |
| CurrencyType    |          |                  |                   |                 |                                |

Here is an example of a component that is using this keyword. The order of the steps are to use the AddEditLineOperation\_TKS. This will output a LocalParameter called Record\_Number that is the row in the table to automate. The row will be determined by the values provided in the AddEditLine, Search\_Column and Search\_Value columns in the Datasheet. The next step is an operation called SetOutputParameter\_TKS that will take the LocalParameter Record\_Number and convert it into an output parameter for the component so that it could be used to link another component to this one. Then the value in the row saved in the LocalParameter Record\_Number and Batch column will be saved to the Batch\_Out component parameter and also saved to the Batch\_Out column of the Datasheet. Next the value in the Contact column of the Datasheet will be entered into the cell in the row saved in the LocalParameter Record\_Number and Contact column.






|                    |                          |   |                                 |
|--------------------|--------------------------|---|---------------------------------|
| ALLOCATION_BATCHES | AddEditLineOperation_TKS | Parameter("AddEditLine"),Parameter("Search_Column"),Parameter("Search_Value") | LocalParameter("Record_Number") |
| Operation          | SetOutputParameter_TKS   | LocalParameter("Record_Number")   | Parameter("Record_Number_Out")  |
| ALLOCATION_BATCHES | OutputToSheet_TKS        | LocalParameter("Record_Number"),"Batch","Batch_Out"                           | Parameter("Batch_Out")          |
| ALLOCATION_BATCHES | EnterField_TKS           | LocalParameter("Record_Number"),"Contact",Parameter("Contact")                |                                 |

Here is an example of a component that is using this keyword. The order of the steps are to select the value provided in the Distribution\_Set column of the Datasheet from the list of the Distribution Set OracleList and then verify that the value provided in the Unit\_of\_Measure column of the Datasheet matches the value in the Unit of Measure OracleTextField. Next, the value in the Total Units OracleTextField will be captured and saved to the Datasheet in the Total\_Units\_Out column.

|                  |                   |                               |
|------------------|-------------------|-------------------------------|
| Distribution Set | Select_TKS        | Parameter("Distribution_Set") |
| Unit of Measure  | Verify_TKS        | Parameter("Unit_of_Measure")  |
| Total Units      | OutputToSheet_TKS | "Total_Units_Out"             |

## Select\_TKS

This keyword checks or unchecks a checkbox per the data sheet specifications (ON/OFF). If it is not being used for a checkbox, it will select the specified value from the list, radiogroup, or set of tabs. If no data value is specified, this step will be skipped and execution will continue.

| Item   | Operation  | Input                        | Output |
|--|------------|------------------------------|--------|
|  OracleCheckbox     |            |                              |        |
|  OracleList         |            |                              |        |
|  OracleListOfValues |            |                              |        |
|  OracleRadioGroup   |            | Parameter ("checkboxstatus") |        |
|  OracleTabbedRegion | Select_TKS | Parameter ("DataValue")      |        |

### Parameters

#### *checkboxstatus*




This is the status to set the checkbox to and is typically a component parameter with the value being taken from the Datasheet at runtime. If the value is set to <ON>, the checkbox will be checked. If the value is set to <OFF>, the checkbox will be unchecked.

#### *DataValue*




This is the item name to select in the list of values and is typically a component parameter with the value being taken from the Datasheet at runtime.

### Example

Here is an example of a component that is using this keyword. The order of the steps are to enter the value in the Dates\_in\_Service\_To column of the Datasheet into the Dates in Service To EditField. Then the Show Disabled Groups checkbox will be checked or unchecked based on the value in the Show\_Disabled\_Groups column of the Datasheet. Next the value in the Employee\_Name column of the Datasheet will be entered into the Employee Name EditField.

|  |            |                                   |
|--|------------|-----------------------------------|
|  Dates in Service To  | Enter_TKS  | Parameter("Dates_in_Service_To")  |
|  Show Disabled Groups | Select_TKS | Parameter("Show_Disabled_Groups") |
|  Employee Name        | Enter_TKS  | Parameter("Employee_Name")        |

Here is an example of a component that is using this keyword. The order of the steps are to verify the value in the Transfer Date field matches the value provided in the Transfer\_Date parameter, and then enter the value in the Comments parameter into the Comments edit field. Then the value provided in the Distribution\_Set column of the Datasheet will be selected from the Distribution Set OracleList.

|  |            |                               |
|--|------------|-------------------------------|
|  Transfer Date    | Verify_TKS | Parameter("Transfer_Date")    |
|  Comments         | Enter_TKS  | Parameter("Comments")         |
|  Distribution Set | Select_TKS | Parameter("Distribution_Set") |

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Lifes OracleListOfValues field is open in the application and then select the value in the Lifes column of the Datasheet from the Lifes OracleListOfValues field. Then the value in the Line\_Number column of the Datasheet will be entered into the Line Number EditField.

|   |                  |                          |
|---|------------------|--------------------------|
|  Lives       | VerifyExists_TKS |                          |
|  Lives       | Select_TKS       | Parameter("Lives")       |
|  Line Number | Enter_TKS        | Parameter("Line_Number") |

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Schedule form is open within 90 seconds and select the radio button that is provided in the Run\_the\_Job column of the Datasheet from the Run the Job... RadioButtonGroup. Then the status provided in the Status column of the Datasheet will be verified in the OracleStatusLine object.

|  |                  |                          |
|--|------------------|--------------------------|
|  Schedule         | VerifyExists_TKS |                          |
|  Run the Job...   | Select_TKS       | Parameter("Run_the_Job") |
|  OracleStatusLine | Verify_TKS       | Parameter("Status")      |


Here is an example of a component that is using this keyword. The order of the steps are to verify that the Distributions form is open within 90 seconds. Then the More Tab will be selected. Next the AddEditLine step will determine the row in the PO\_DISTRIBUTIONS OracleTable to work with based on the values provided in the AddEditLine, Search\_Column, and Search\_Value columns of the Datasheet. The row will be saved into the LocalParameter Record\_Number.

|  |                          |   |                                 |
|--|--------------------------|---|---------------------------------|
|  Distributions    | VerifyExists_TKS         |   |                                 |
|  More             | Select_TKS               |   |                                 |
|  PO_DISTRIBUTIONS | AddEditLineOperation_TKS | Parameter("AddEditLine")Parameter("Search_Column")Parameter("Search_Value") | LocalParameter("Record_Number") |



## SelectJavaListItem

This keyword finds and selects an item from a Java List by matching the input values provided.

| Item  | Operation          | Input   | Output |
|---|--------------------|---|--------|
|  Java List | SelectJavaListItem | Parameter("ColumnValue1"),<br>Parameter("ColumnValue2") |        |

### Parameters

*ColumnValue1*



First Value to be matched and selected in Java List item.

*ColumnValue1*

Second Value to be matched and selected in Java List item.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that application screen is opened through VerifyExists\_TKS operation. Next step is to find and select the item in Java List by providing the values in 2 input parameters. A Single parameter in both arguments can be used as well as two different parameter values. In this example, single parameter Column\_Value1 is used for both arguments of keyword. The List item with matching column values will be selected after the execution of this step.

|   |                    |   |     |
|---|--------------------|---|-----|
|  Quote, Customer Sear... | VerifyExists_TKS   |   | Ver |
|  AccessibleTableGrid     | SelectJavaListItem | Parameter("Column_Value1"),Parameter("Column_Value1") | Fin |

## SelectPath\_TKS

This keyword will select a path in the navigator form.

| Item  | Operation      | Input                 | Output |
|---|----------------|-----------------------|--------|
|  OracleNavigator | SelectPath_TKS | Parameter ("NavPath") |        |



### Parameters

*NavPath*

This is the path of the navigator selection.



### Example

Here is an example of a component that is using this keyword. The order of the steps are to load the data from the Datasheet and then navigate the path in the OracleNavigator that was provided by the user in the Path column of the Datasheet. When it has reached the final node of the path, it will select that item and activate it.

|   |                |                   |
|---|----------------|-------------------|
|  Operation       | LoadData       |                   |
|  OracleNavigator | SelectPath_TKS | Parameter("Path") |

## Set\_TKS

This keyword enters a specified data value into a JavaEdit box or will check or uncheck the JavaCheckBox. If the value is left blank, this step will be skipped and execution will continue.

| Item   | Operation | Input                        | Output |
|--|-----------|------------------------------|--------|
|  JavaEdit     |           | Parameter ("DataValue")      |        |
|  JavaCheckBox | Set_TKS   | Parameter ("checkboxstatus") |        |

### Parameters

#### *DataValue*

This is the data value to enter into the field. It can be a constant value or a tag.

Some Useful Tags:

<CLEAR> = clear out the value currently in that cell.

blank "" = skip entry and continue execution.



<UniqueID> = Tag is replaced with a uniquely generated number.

#### *checkboxstatus*

This is the status to set the checkbox to and is typically a component parameter with the value being taken from the Datasheet at runtime. If the value is set to <ON>, the checkbox will be checked. If the value is set to <OFF>, the checkbox will be unchecked.






### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify the Oracle Application JavaWindow is open and then set the value of the Period JavaEdit to the value provided by the user in the Period column of the Datasheet.

|   |                  |                     |
|---|------------------|---------------------|
|  Oracle Applications | VerifyExists_TKS |                     |
|  Period              | Set_TKS          | Parameter("Period") |

## Verify\_TKS

This keyword verifies that the actual value matches the expected value. If the expected value is left empty, this step will be skipped and execution will continue.

| Item   | Operation  | Input                   | Output |
|--|------------|-------------------------|--------|
|  OracleCheckbox   |            |                         |        |
|  OracleList       |            |                         |        |
|  OracleRadioGroup |            |                         |        |
|  OracleStatusLine |            | Parameter ("DataValue") |        |
|  OracleTextField  | Verify_TKS | Parameter ("Status")    |        |

### Parameters

#### *DataValue*

This is the expected value. It should be set to "ON" or "OFF" depending on which status is to be verified.

#### *Status*




This is the status code(s) or phrase(s) expected to be in the status line.

### Return Values




This keyword returns a value of True or False indicating whether or not verification was successful.

### Example

Here is an example of a component that is using this keyword. The order of the steps are to enter the value in the Dates\_in\_Service\_To column of the Datasheet into the Dates in Service To EditField. Then the status of the Show Disabled Groups checkbox will be verified based on the value in the Show\_Disabled\_Groups column of the Datasheet. Next the value in the Employee\_Name column of the Datasheet will be entered into the Employee Name EditField.




|  |            |                                   |
|--|------------|-----------------------------------|
|  Dates in Service To  | Enter_TKS  | Parameter("Dates_in_Service_To")  |
|  Show Disabled Groups | Verify_TKS | Parameter("Show_Disabled_Groups") |
|  Employee Name        | Enter_TKS  | Parameter("Employee_Name")        |

Here is an example of a component that is using this keyword. The order of the steps are to Load the data from the Datasheet and verify that the Account Inquiry form is opened in the application. Next is to use the Verify\_TKS keyword to verify the value in the Currency Type OracleList is equal to the value in the Datasheet in the Currency\_Type column in the Datasheet.




|   |                  |                            |
|---|------------------|----------------------------|
|  Operation       | LoadData         |                            |
|  Account Inquiry | VerifyExists_TKS |                            |
|  CurrencyType    | Verify_TKS       | Parameter("Currency_Type") |

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Schedule form is open within 90 seconds and then it will be verified that the radio button provided in the Run\_the\_Job column of the




Datasheet is selected from the Run the Job... RadioButtonGroup. Then the OK button will be clicked if it is found in the application.

|   |                |                  |                          |
|---|----------------|------------------|--------------------------|
|  | Schedule       | VerifyExists_TKS |                          |
|  | Run the Job... | Verify_TKS       | Parameter("Run_the_Job") |
|  | OK             | ClickIfExist_TKS |                          |

Here is an example of a component that is using this keyword. The order of the steps are to verify the Schedule form is open in the application and select the correct Radio Button based on the value provided by the user in the Run\_the\_Job column in the Datasheet. Then the value provided by the user in the Status column of the Datasheet will be used to verify the actual message that is in the OracleStatusLine.







|   |                  |                  |                          |
|---|------------------|------------------|--------------------------|
|  | Schedule         | VerifyExists_TKS |                          |
|  | Run the Job...   | Select_TKS       | Parameter("Run_the_Job") |
|  | OracleStatusLine | Verify_TKS       | Parameter("Status")      |

Here is an example of a component that is using this keyword. The order of the steps are to verify the value in the Transfer Date field matches the value provided in the Transfer\_Date column of the Datasheet and then enter the value in the Comments column of the Datasheet into the Comments OracleTextField. Next the value provided in the Distribution\_Set column of the Datasheet will be selected from the list of the Distribution Set OracleList field.

|   |                  |            |                               |
|---|------------------|------------|-------------------------------|
|    | Transfer Date    | Verify_TKS | Parameter("Transfer_Date")    |
|   | Comments         | Enter_TKS  | Parameter("Comments")         |
|  | Distribution Set | Select_TKS | Parameter("Distribution_Set") |



## VerifyExists\_TKS

This keyword verifies that a specific Window opens within 90 seconds.






| Item   | Operation        | Input | Output |
|--|------------------|-------|--------|
|  JavaWindow         |                  |       |        |
|  OracleApplications |                  |       |        |
|  OracleFlexWindow   |                  |       |        |
|  OracleFormWindow   |                  |       |        |
|  OracleListOfValues |                  |       |        |
|  OracleNotification | VerifyExists_TKS |       |        |

### Example




Here is an example of a component that is using this keyword. The order of the steps are to verify the Oracle Application JavaWindow is open and then set the value of the Period JavaEdit to the value provided by the user in the Period column of the Datasheet.

|   |                  |                     |
|---|------------------|---------------------|
|  Oracle Applications - | VerifyExists_TKS |                     |
|  Period               | Set_TKS          | Parameter("Period") |

Here is an example of a component that is using this keyword. The order of the steps are to open the Category Flexfield Oracle FlexWindow from the Category field. Then a verification step will check to see if the Category Flexfield is open and enter the data that is in the Category\_Major and Category\_Minor into the respective fields if they are found in the application. Finally, the OK button on the FlexWindow will be clicked if it is found in the application.

|  |                         |                             |
|--|-------------------------|-----------------------------|
|  Category           | OpenDialogIfNotOpen_TKS | "Category Flexfield"        |
|  Category Flexfield | VerifyExists_TKS        |                             |
|  Major Category     | EnterIfExist_TKS        | Parameter("Category_Major") |
|  Minor Category     | EnterIfExist_TKS        | Parameter("Category_Minor") |
|  OK                 | ClickIfExist_TKS        |                             |



Here is an example of a component that is using this keyword. The order of the steps are to load the data from the Datasheet and verify that the Find Assets form is open within 90 seconds. Then the value in the Asset\_Number column of the Datasheet will be entered into the Asset Number EditField.

|  |                  |                           |
|--|------------------|---------------------------|
|  Operation    | LoadData         |                           |
|  Find Assets  | VerifyExists_TKS |                           |
|  Asset Number | Enter_TKS        | Parameter("Asset_Number") |

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Lifes OracleListOfValues field is open in the application and then selecting the value in the Lifes column of the Datasheet from the Lifes OracleListOfValues field. Then the value in the Line\_Number column of the Datasheet will be entered into the Line Number EditField.


|   |                  |                          |
|---|------------------|--------------------------|
|  Lifes       | VerifyExists_TKS |                          |
|  Lifes       | Select_TKS       | Parameter("Lifes")       |
|  Line Number | Enter_TKS        | Parameter("Line_Number") |

Here is an example of a component that is using this keyword. The order of the steps are to verify that an OracleNotification is open and then approve the number of notifications that is provided in the NumberOfWindows column of the Datasheet. The status that will be reported to the run results will be based on whether or not the notifications were successfully approved and the value provided in the Status column of the Datasheet.

|  |                     |  |
|--|---------------------|--|
|  Generic Notification | VerifyExists_TKS    |  |
|  Generic Notification | MultipleApprove_TKS | Parameter("NumberOfWindows"),Parameter("Status") |

## VerifyField\_TKS

This keyword verifies a data value specified in a data sheet with a value in a cell in a table.

| Item  | Operation      | Input   | Output |
|---|----------------|---|--------|
|  OracleTable | EnterField_TKS | LocalParameter ("RecordNumber"),<br>"ColumnName", Parameter ("DataValue") |        |

### Parameters

#### *RecordNumber*

This is the record number (row) of the cell with the value to be verified.

#### *ColumnName*

This is the column name or index of the cell with the value to be verified.

#### *DataValue*

This is the data value to be verified.

### Example


Here is an example of a component that is using this keyword. The order of the steps are to verify that the AutoAllocation Workbench form has opened in the Datasheet. The next step is to use the AddEditLineOperation\_TKS. This will output a LocalParameter called Record\_Number that is the row in the table to automate. The row will be determined by the values provided by the user in the Datasheet. The next step is an operation called SetOutputParameter\_TKS that will take the LocalParameter Record\_Number and convert it into an output parameter for the component so that it could be used to link another component to this one. Then the value in the cell determined by the row saved into the LocalParameter Record\_Number and Step column will be compared to the value in the Step column of the Datasheet to verify that they are equal.

|                          |                          |   |                                 |
|--------------------------|--------------------------|---|---------------------------------|
| AutoAllocation Workbench | VerifyExists_TKS         | Parameter("AddEditLine").Parameter("Search_Column").Parameter("Search_Value") | LocalParameter("Record_Number") |
| ALLOCATION_BATCHES       | AddEditLineOperation_TKS | LocalParameter("Record_Number")   | Parameter("Record_Number_Out")  |
| Operation                | SetOutputParameter_TKS   | LocalParameter("Record_Number")."Step".Parameter("Step")                      |                                 |
| ALLOCATION_BATCHES       | VerifyField_TKS          |   |                                 |



## Wait\_TKS

This keyword waits for certain number of seconds. If left blank, this step is skipped and execution will continue.

| Item  | Operation | Input                      | Output |
|---|-----------|----------------------------|--------|
|  Operation | Wait_TKS  | Parameter<br>("SecToWait") |        |



### Parameters

*SecToWait*

This is the number of seconds to wait.
















### Example

Here is an example of a component that is using this keyword. The order of the steps are to click the OK button if it is found in the application and then wait for 2 seconds. Next the Location Flexfield will be opened from the Location EditField.

|   |                         |                      |
|---|-------------------------|----------------------|
|  OK        | ClickIfExist_TKS        |                      |
|  Operation | Wait_TKS                | "2"                  |
|  Location  | OpenDialogIfNotOpen_TKS | "Location Flexfield" |

## TKS Oracle Jnit Advanced Keywords

### Modules:

|  |  |
|--|--|
|  <a href="#">JavaEdit</a>             | Custom Functions for use with "JavaEdit" Test Objects.           |
|  <a href="#">JavaWindow</a>           | Custom Functions for use with "JavaWindow" Test Objects.         |
|  <a href="#">Operation</a>            | Custom Operations for use with Oracle.                           |
|  <a href="#">OracleCheckBox</a>       | Custom Functions for use with "OracleCheckBox" Test Objects.     |
|  <a href="#">OracleFlexWindow</a>     | Custom Functions for use with "OracleFlexWindow" Test Objects.   |
|  <a href="#">OracleFormWindow</a>     | Custom Functions for use with "OracleFormWindow" Test Objects.   |
|  <a href="#">OracleList</a>           | Custom Functions for use with "OracleList" Test Objects.         |
|  <a href="#">OracleListOfValues</a>  | Custom Functions for use with "OracleListOfValues" Test Objects. |
|  <a href="#">OracleNotification</a> | Custom Functions for use with "OracleNotification" Test Objects. |
|  <a href="#">OracleRadioGroup</a>   | Custom Functions for use with "OracleRadioGroup" Test Objects.   |
|  <a href="#">OracleStatusLine</a>   | Custom Functions for use with "OracleStatusLine" Test Objects.   |
|  <a href="#">OracleTabbedRegion</a> | Custom Functions for use with "OracleTabbedRegion" Test Objects. |
|  <a href="#">OracleTable</a>        | Custom Functions for use with "OracleTable" Test Objects.        |
|  <a href="#">OracleTextField</a>    | Custom Functions for use with "OracleTextField" Test Objects.    |
|  <a href="#">OracleTree</a>         | Custom Functions for use with "OracleTree" Test Objects.         |

## Advanced Object Types

### Modules:



[JavaEdit](#)

Custom Functions for use with "JavaEdit" Test Objects.



[JavaWindow](#)

Custom Functions for use with "JavaWindow" Test Objects.



[Operation](#)

Custom Operations for use with Oracle.



[OracleCheckBox](#)

Custom Functions for use with "OracleCheckBox" Test Objects.



[OracleFlexWindow](#)

Custom Functions for use with "OracleFlexWindow" Test Objects.



[OracleFormWindow](#)

Custom Functions for use with "OracleFormWindow" Test Objects.



[OracleList](#)

Custom Functions for use with "OracleList" Test Objects.



[OracleListOfValues](#)

Custom Functions for use with "OracleListOfValues" Test Objects.



[OracleNotification](#)

Custom Functions for use with "OracleNotification" Test Objects.



[OracleRadioGroup](#)

Custom Functions for use with "OracleRadioGroup" Test Objects.



[OracleStatusLine](#)

Custom Functions for use with "OracleStatusLine" Test Objects.



[OracleTabbedRegion](#)

Custom Functions for use with "OracleTabbedRegion" Test Objects.



[OracleTable](#)

Custom Functions for use with "OracleTable" Test Objects.



[OracleTextField](#)

Custom Functions for use with "OracleTextField" Test Objects.




[OracleTree](#)

Custom Functions for use with "OracleTree" Test Objects.

## JavaEdit

Custom Functions for use with "JavaEdit" Test Objects.


### Methods:

| Name   | Description   |
|--|---|
|  <a href="#">OpenTableDialogIfNotOpen_TKS</a> | This keyword opens a dialog window for a Java cell if the dialog is not already open. |

## JavaWindow

Custom Functions for use with "JavaWindow" Test Objects.

### Methods:

| Name  | Description   |
|---|---|
|  <a href="#">WaitForWindow_TKS</a> | This keyword verifies that a specified Oracle window or OracleFlexWindow opens within a specified time. |

## OracleTable

Custom Functions for use with "OracleTable" Test Objects.

### Methods:

| Name   | Description   |
|--|---|
|  <a href="#">ClickButton</a>                    | This keyword clicks a button based on the input arguments provided in the Datasheet (the parent window title, the button label and the tab title).  |
|  <a href="#">ClickTab</a>                       | This keyword clicks a tab based on the parent window title and the tab label, as specified in a data sheet. A Fail status is reported to Test Results if the tab is not found.  |
|  <a href="#">CompareLocalParameter</a>          | This keyword compares two values saved in LocalParameters. The result is then logged in the Test Results.   |
|  <a href="#">CompareValues</a>                  | This keyword compares two values using an operator to determine if one is greater than the other or if they are equal.  |
|  <a href="#">Concatenate</a>                    | This keyword concatenates two strings together.   |
|  <a href="#">CreateUniqueIDLength_TKS</a>       | This keyword generates a Canadian Social Insurance Number (S.I.N.) based on the luhn algorithm.   |
|  <a href="#">EnterTextByIndex_TKS</a>           | This keyword enters text into a field based on the form where the field is located and the index of the field.  |
|  <a href="#">ExitComponentIf_TKS</a>          | This keyword compares two values using an operator to determine if one is greater than the other or if they are equal. If the result is True, the component will be exited.   |
|  <a href="#">ExitTestIterationIfFalse_TKS</a> | This keyword exits the current test iteration and closes all Oracle Forms when a specified value is set to false. This is useful for when a checkpoint fails the test, and test should be exited.   |
|  <a href="#">FindLastCheckNum</a>             | This keyword calculates the last check number based on the first check number and the number of payments made. The calculation used is firstdocumentnum + (overallpymtcnt -1).  |
|  <a href="#">GetAttachment</a>                | This keyword retrieves an attachment from the current test case and saves it to a specified path.   |
|  <a href="#">GetAttachmentFromTest</a>        | This keyword retrieves an attachment from any specified test case and saves it to a specified path.   |
|  <a href="#">GetAttachmentFromTestObject</a>  | This keyword retrieves an attachment from a test object and saves it to a specified path.   |
|  <a href="#">GetBPTRunName</a>                | This keyword retrieves the HP Quality Center BPT RunName from the GeneralInfo.ini file. This only works for a BPT test during run time. One component must be run in the test case prior to this function working. The GeneralInfo file is automatically created at the end of the first component during a test run.         |
|  <a href="#">GetBPTTestName</a>               | This keyword retrieves the current HP Quality Center BPT TestName from the GeneralInfo.ini file. This ONLY works for a BPT test during Runtime. One component must be run in the test case prior to this function working. The GeneralInfo file is automatically created at the end of the first component during a test run. |
|  <a href="#">SaveAttachment</a>               | This keyword saves an attachment to the current NON-BPT Test Case.  |
|  <a href="#">SaveAttachmentToBPTTestRun</a>   | This keyword saves an attachment to an HP Quality Center BPT Test Run. This only works for a BPT test during runtime.   |

 [SaveAttachmentToTest](#)

This keyword saves an attachment to the specified test.

 [SaveAttachmentToTestObj](#)

This keyword saves a file to a test object in HP Quality Center.

 [SelectItemOutputTableValue\\_TKS](#)

This keyword selects a treepath in a cell of a table, then saves the corresponding value in the Datasheet.

 [SetInputParameter\\_TKS](#)

This keyword sets data to a specified input parameter of the component.

 [SetOutputParameter\\_TKS](#)

This keyword passes data to the output parameter of the component.

 [SetStringIf](#)

This keyword compares two values using an operator to determine if one is greater than the other or if they are equal. A specified string will be returned depending on the outcome of the comparison.




 [TriageReport](#)

This keyword is used to report a step during execution and the details about it in ALM test results.

## OracleCheckBox

Custom Functions for use with "OracleCheckBox" Test Objects.

### Methods:


| Name  | Description  |
|---|--|
|  <a href="#">SetFocus_TKS</a>            | This keyword optionally sets the focus to the specified object.  |
|  <a href="#">SetToParameter_TKS</a>      | This keyword sets a test object to a Local Parameter. If working with Scripted components, use the Set vbs command.  |
|  <a href="#">VerifyDefaultSelect_TKS</a> | This keyword sets a specific checkbox to on or off based on a value in the Datasheet. If the checkbox is to be enabled, the function first checks to see if that is the checkbox default setting. If the value is left blank, this step will be skipped and execution will continue. |



## OracleFlexWindow

Custom Functions for use with "OracleFlexWindow" Test Objects.





### Methods:

| Name   | Description   |
|--|---|
|  <a href="#">SetToParameter_TKS</a> | This keyword sets a test object to a Local Parameter. If working with Scripted components, use the Set vbs command. |

## OracleFormWindow

Custom Functions for use with "OracleFormWindow" Test Objects.



### Methods:

| Name  | Description   |
|---|---|
|  <a href="#">CloseWindowIfExists_TKS</a>       | This keyword closes a window if it exists.  |
|  <a href="#">GetROTitlePropertyByIndex_TKS</a> | This keyword will get the title RO Property from the Oracle Form Window with the specified index.                   |
|  <a href="#">SetToParameter_TKS</a>            | This keyword sets a test object to a Local Parameter. If working with Scripted components, use the Set vbs command. |
|  <a href="#">WaitForWindow_TKS</a>             | This keyword verifies that a specified Oracle window or OracleFlexWindow opens within a specified time.             |

## OracleList

Custom Functions for use with "OracleList" Test Objects.



### Methods:

| Name   | Description   |
|--|---|
|  <a href="#">SetFocus_TKS</a>       | This keyword optionally sets the focus to the specified object.   |
|  <a href="#">SetToParameter_TKS</a> | This keyword sets a test object to a Local Parameter. If working with Scripted components, use the Set vbs command. |

## OracleListOfValues

Custom Functions for use with "OracleListOfValues" Test Objects.






### Methods:

| Name  | Description   |
|---|---|
|  <a href="#">FindSelectIfExist_TKS</a> | This keyword finds and selects a specific item in a list of values. If the expected value is blank, this step will be skipped and execution will continue.                    |
|  <a href="#">SelectIfExist_TKS</a>     | This keyword selects a specified item in a list of values only if the specified list exists. If no data value is specified, this step is skipped and execution will continue. |

## OracleNotification

Custom Functions for use with "OracleNotification" Test Objects.



### Methods:

| Name  | Description   |
|---|---|
|  <a href="#">Approve_TKS</a>               | This keyword optionally approves an Oracle notification window, if it exists, by selecting the OK or Yes button. A screenshot of the window and its text will be captured and saved to the Test Results. If the window does not exist, execution continues as intended. |
|  <a href="#">ApproveWithTimeout_TKS</a>    | This keyword optionally approves an Oracle notification window by clicking on an "OK" or "Yes" button, if the window appears within the specified timeout.  |
|  <a href="#">MultipleApproveCancel_TKS</a> | This keyword optionally approves or cancels a specific number of instances of an Oracle notification window with specific text, if it is present. If it is not present, this step will be skipped and execution will continue.  |
|  <a href="#">OutputRequestID_TKS</a>       | This keyword saves the Request ID, Journal number or the first number found in the notification message to the Output column of the test data sheet.  |
|  <a href="#">WaitForWindow_TKS</a>       | This keyword verifies that a specified Oracle window or OracleFlexWindow opens within a specified time.   |

## OracleRadioGroup

Custom Functions for use with "OracleRadioGroup" Test Objects.



### Methods:

| Name   | Description   |
|--|---|
|  <a href="#">SetFocus_TKS</a>       | This keyword optionally sets the focus to the specified object.   |
|  <a href="#">SetToParameter_TKS</a> | This keyword sets a test object to a Local Parameter. If working with Scripted components, use the Set vbs command. |

## OracleStatusLine

Custom Functions for use with "OracleStatusLine" Test Objects.



### Methods:

| Name  | Description   |
|---|---|
|  <a href="#">OutputStatusLineID_TKS</a>      | This keyword will capture an ID from the OracleStatusLine.  |
|  <a href="#">SendStatusToTestResults_TKS</a> | This keyword will send the status line text to Test Results. The step name in the report is "OracleStatusLine". |

## OracleTabbedRegion

Custom Functions for use with "OracleTabbedRegion" Test Objects.

### Methods:


















| Name   | Description   |
|--|---|
|  <a href="#">SetTabLabel_TKS</a>    | This keyword finds the number of records(rows) in an Oracle table and returns the value.                            |
|  <a href="#">SetToParameter_TKS</a> | This keyword sets a test object to a Local Parameter. If working with Scripted components, use the Set vbs command. |



## OracleTable

Custom Functions for use with "OracleTable" Test Objects.

### Methods:

| Name  | Description   |
|---|---|
|  <a href="#">CheckAllCheckbox_TKS</a>            | This keyword checks or unchecks all checkboxes in a column and optionally approve any notification windows that may appear.   |
|  <a href="#">CheckBoxIfValueExists_TKS</a>       | This keyword sets the checkbox in a specified column to ON for all records in a specified table. It will also clear notification "Note" windows automatically.  |
|  <a href="#">ClickButtonTillCellEquals_TKS</a>   | This keyword clicks a button object until the table cells actual value matches the specified expected value. This is valuable when scroll or wheel buttons are used to change a record or value in a table cell.  |
|  <a href="#">EnterFieldFromLOV_TKS</a>           | This keyword will open an LOV window for the current object and then select the specified value in that LOV window.   |
|  <a href="#">GetColumnNameBySubstring_TKS</a>    | This keyword gets a Column Name by the first match of a SubString(partial value) name.  |
|  <a href="#">GetFieldValue_TKS</a>               | This keyword goes to the cell in the table designated by the Record Number(Row) and ColumnName and retrieves the value.   |
|  <a href="#">GetRecordByGreatestValue_TKS</a>   | This keyword will return the record number(row) of the record containing the greatest value in the specified column. After execution of this keyword is complete, the record will be selected.  |
|  <a href="#">GetRecordBySubstringValue_TKS</a> | This keyword will return an Oracle table record number (row) based on a search value in a specified column. After the execution of this keyword is complete, the record will be selected. The VerifyMaxRows flag will go to the last row via the menu to get the number of rows in the table                                    |
|  <a href="#">GetRecordByTwoVal_TKS</a>         | This keyword will return the record number(row) of the first record that matches two specified values. There will be two columns searched for two separate values. There is no limit on the number of records searched.   |
|  <a href="#">GetRecordByValue_TKS</a>          | This keyword will return an Oracle table record number (row) based on a search value in a specified column. After the execution of this keyword is complete, the record will be selected. This function is limited to 100 records. The VerifyMaxRows flag will go to the last record to get the number of records in the table. |
|  <a href="#">GetRecordByValueList_TKS</a>      | This keyword will return an Oracle table record number(row) based on a search value in a specified column. After execution of this keyword is complete, the record will be selected. This is limited to a table with 100 records.   |
|  <a href="#">Home_TKS</a>                      | This keyword will scroll to the tables first record(row) and then sets focus to a specified column. The keyword is limited to a table with 500 records.   |
|  <a href="#">InvokeSoftkey_TKS</a>             | This keyword invokes the specified Oracle softkey.  |
|  <a href="#">NewRecord_TKS</a>                 | This keyword creates a new record in an Oracle table.   |
|  <a href="#">SelectOption_TKS</a>              | This keyword selects and opens an item in a tree-structured table.  |
|  <a href="#">SetFocusToVisibleJavaObj_TKS</a>  | This keyword sets the focus to an Oracle tables underlying Java object.   |
|  <a href="#">SetToParameter_TKS</a>            | This keyword sets a test object to a Local Parameter. If working with Scripted components, use the Set vbs command.   |

 [ShowOptions\\_TKS](#)

This keyword searches a tree-structured table.

 [TabToDialogIfNotOpen\\_TKS](#)

This keyword opens a dialog window for a cell in a table if the dialog is not already open by tabbing from an adjacent column. This is most commonly used to open Oracle Flex Fields from a table.

 [TotalColumnSum\\_TKS](#)

This keyword calculates the sum of all the values in a specified column.












 [VerifyTableDefault\\_TKS](#)

This keyword checks to see if a specified table field has a default value.

## OracleTextField

Custom Functions for use with "OracleTextField" Test Objects.


### Methods:

| Name   | Description  |
|--|--|
|  <a href="#">ClickButtonTillValEquals_TKS</a> | This keyword clicks a button object until the value in the text object equals a specific expected value. This is valuable when scroll or wheel buttons are used to change a record or value in a text box.                                     |
|  <a href="#">EnterFromLOV_TKS</a>             | This keyword will open an LOV window for the current object and then select the specified value in that LOV window.  |
|  <a href="#">EnterIfExist_TKS</a>             | This keyword allows a specified value to be entered into a text field only if it exists. If it does not exist, execution will continue.  |
|  <a href="#">EnterKeyStroke_TKS</a>           | This keyword uses the Windows Scripting Host to type into an object. It replicates the keystrokes from the keyboard, as opposed to accessing the object, as is traditionally done. This keyword is only used to troubleshoot and solve issues. |
|  <a href="#">EnterNoValidation_TKS</a>        | This keyword will enter a value into a field after looking for tags without tabbing out of the field to validate the value.  |
|  <a href="#">RightClickSelect_TKS</a>         | This keyword will Work with the last form that was opened and will select a menu option via a right-click.   |
|  <a href="#">SetFocus_TKS</a>               | This keyword optionally sets the focus to the specified object.  |
|  <a href="#">SetToParameter_TKS</a>         | This keyword sets a test object to a Local Parameter. If working with Scripted components, use the Set vbs command.  |
|  <a href="#">VerifyDate_TKS</a>             | This keyword verifies whether or not the date in a text field is the same day as the specified expected results.   |
|  <a href="#">VerifyDefault_TKS</a>          | This keyword checks to see if a text field has a default value. It is used with generic test objects to change their identifying properties at runtime.  |
|  <a href="#">VerifyGreaterOrLess_TKS</a>    | This keyword verifies if a text field is greater or less than a specified numeric value.   |

## OracleTree






















Custom Functions for use with "OracleTree" Test Objects.

























### Methods:

























| Name   | Description   |
|--|---|
|  <a href="#">SetToParameter_TKS</a> | This keyword sets a test object to a Local Parameter. If working with Scripted components, use the Set vbs command. |

## Advanced Keywords

### Keywords:

|  |  |
|--|--|
|  <a href="#">Approve_TKS</a>                    | This keyword optionally approves an Oracle notification window, if it exists, by                                       |
|  <a href="#">ApproveWithTimeout_TKS</a>         | This keyword optionally approves an Oracle notification window by clicking on<br>appears within the specified timeout. |
|  <a href="#">CheckAllCheckbox_TKS</a>           | This keyword checks or unchecks all checkboxes in a column and optionally ap<br>appear.                                |
|  <a href="#">CheckBoxIfValueExists_TKS</a>      | This keyword sets the checkbox in a specified column to ON for the first recor   |
|  <a href="#">ClickButton</a>                    | This keyword clicks a button based on the input arguments provided in the Da<br>label and the tab title).              |
|  <a href="#">ClickButtonTillCellEquals_TKS</a>  | This keyword clicks a button object until the table cells actual value matches t                                       |
|  <a href="#">ClickButtonTillValEquals_TKS</a>   | This keyword clicks a button object until the value in the text object equals a  |
|  <a href="#">ClickTab</a>                       | This keyword clicks a tab based on the parent window title and the tab label,  |
|  <a href="#">CloseWindowIfExists_TKS</a>        | This keyword closes a window if it exists.   |
|  <a href="#">CompareLocalParameter</a>         | This keyword compares two values saved in LocalParameters.   |
|  <a href="#">CompareValues</a>                | This keyword compares two values using an operator to determine if one is gr   |
|  <a href="#">Concatenate</a>                  | This keyword concatenates two strings together.  |
|  <a href="#">CreateUniqueIDLength_TKS</a>     | This keyword generates a Canadian Social Insurance Number (S.I.N.) based o   |
|  <a href="#">EnterFieldFromLOV_TKS</a>        | This keyword will open an LOV window for the current object and then select  |
|  <a href="#">EnterFromLOV_TKS</a>             | This keyword will open an LOV window for the current object and then select  |
|  <a href="#">EnterIfExist_TKS</a>             | This keyword allows a specified value to be entered into a text field only if e  |
|  <a href="#">EnterKeyStroke_TKS</a>           | This keyword uses the Windows Scripting Host to type into an object.   |
|  <a href="#">EnterNoValidation_TKS</a>        | This keyword will enter a value into a field after looking for tags without tabbi                                      |
|  <a href="#">EnterTextByIndex_TKS</a>         | This keyword enters text into a field based on the form where the field is loca  |
|  <a href="#">ExitComponentIf_TKS</a>          | This keyword compares two values using an operator to determine if one is gr   |
|  <a href="#">ExitTestIterationIfFalse_TKS</a> | This keyword exits the current test iteration and closes all Oracle Forms when   |

|   |  |
|---|--|
|  <a href="#">FindLastCheckNum</a>                | This keyword calculates the last check number based on the first check number.   |
|  <a href="#">FindSelectIfExist_TKS</a>           | This keyword finds and selects a specific item in a list of values.  |
|  <a href="#">GetAttachment</a>                   | This keyword retrieves an attachment from the current test case and saves it to a specified location.                                |
|  <a href="#">GetAttachmentFromTest</a>           | This keyword retrieves an attachment from any specified test case and saves it to a specified location.                              |
|  <a href="#">GetAttachmentFromTestObject</a>     | This keyword retrieves an attachment from a test object and saves it to a specified location.  |
|  <a href="#">GetBPTRunName</a>                   | This keyword retrieves the HP Quality Center BPT RunName from the General tab of the BPT Run.  |
|  <a href="#">GetBPTTestName</a>                  | This keyword retrieves the current HP Quality Center BPT TestName from the General tab of the BPT Run.                               |
|  <a href="#">GetColumnNameBySubstring_TKS</a>    | This keyword gets a Column Name by the first match of a SubString(partial value) in the table.                                       |
|  <a href="#">GetFieldValue_TKS</a>               | This keyword goes to the cell in the table designated by the Record Number(Row) and returns the value of the cell.                   |
|  <a href="#">GetRecordByGreatestValue_TKS</a>    | This keyword will return the record number(row) of the record containing the greatest value in the specified column.                 |
|  <a href="#">GetRecordBySubstringValue_TKS</a>   | This keyword will return an Oracle table record number (row) based on a search for a specific substring in the specified column.     |
|  <a href="#">GetRecordByTwoVal_TKS</a>         | This keyword will return the record number (row) of the first record that matches the two specified values in the specified columns. |
|  <a href="#">GetRecordByValue_TKS</a>          | This keyword will return an Oracle table record number (row) based on a search for a specific value in the specified column.         |
|  <a href="#">GetRecordByValueList_TKS</a>      | This keyword will return an Oracle table record number (row) based on a search for a specific value list in the specified column.    |
|  <a href="#">GetRecordNumber</a>               | This keyword will return an Oracle table record number (row) of an item currently selected in the table.                             |
|  <a href="#">GetROTitlePropertyByIndex_TKS</a> | This keyword will get the title RO Property from the Oracle Form Window with the specified index.                                    |
|  <a href="#">Home_TKS</a>                      | This keyword will scroll to the table's first record (row) and then sets focus to the first cell of the first record.                |
|  <a href="#">InvokeSoftkey_TKS</a>             | This keyword invokes the specified Oracle softkey.   |
|  <a href="#">MultipleApproveCancel_TKS</a>     | This keyword optionally approves or cancels a specific number of instances of a specified text, if it is present.                    |
|  <a href="#">NewRecord_TKS</a>                 | This keyword creates a new record in an Oracle table.  |
|  <a href="#">OpenTableDialogIfNotOpen_TKS</a>  | This keyword opens a dialog window for a Java cell if the dialog is not already open.  |
|  <a href="#">OracleFormWindowsCount</a>        | This keyword opens a dialog window for a Java cell if the dialog is not already open.  |
|  <a href="#">OutputRequestID_TKS</a>           | This keyword saves the Request ID, Journal number or the first number found in the specified column of the test data sheet.          |
|  <a href="#">OutputStatusLineID_TKS</a>        | This keyword will capture an ID from the OracleStatusLine and save it in the specified column of the test data sheet.                |

|  |   |
|--|---|
|  <a href="#">RightClickSelect_TKS</a>           | This keyword will Work with the last form that was opened and will select a m                               |
|  <a href="#">SaveAttachment</a>                 | This keyword saves an attachment to the current NON-BPT Test Case.  |
|  <a href="#">SaveAttachmentToBPTTestRun</a>     | This keyword saves an attachment to an HP Quality Center BPT Test Run.                                      |
|  <a href="#">SaveAttachmentToTest</a>           | This keyword saves an attachment to the specified test.   |
|  <a href="#">SaveAttachmentToTestObj</a>        | This keyword saves a file to a test object in HP Quality Center.  |
|  <a href="#">SelectIfExist_TKS</a>              | This keyword selects a specified item in a list of values only if the specified lis                         |
|  <a href="#">SelectItemOutputTableValue_TKS</a> | This keyword selects a treepath in a cell of a table, then saves the correspond                             |
|  <a href="#">SelectOption_TKS</a>               | This keyword selects and opens an item in a tree-structured table.  |
|  <a href="#">SendStatusToTestResults_TKS</a>    | This keyword will send the status line text to Test Results. The step name in t                             |
|  <a href="#">SetFocus_TKS</a>                   | This keyword optionally sets the focus to the specified object.   |
|  <a href="#">SetFocusToVisibleJavaObj_TKS</a>  | This keyword sets the focus to an Oracle tables underlying Java object.                                     |
|  <a href="#">SetInputParameter_TKS</a>        | This keyword sets data to a specified input parameter of the component.                                     |
|  <a href="#">SetOutputParameter_TKS</a>       | This keyword passes data to the output parameter of the component.  |
|  <a href="#">SetStringIf</a>                  | This keyword compares two values using an operator to determine if one is gr                                |
|  <a href="#">SetTabLabel_TKS</a>              | This keyword sets the label of a tab to the specified value.  |
|  <a href="#">SetToParameter_TKS</a>           | This keyword sets a test object to a Local Parameter. If working with Scripted                              |
|  <a href="#">ShowOptions_TKS</a>              | This keyword searches a tree-structured table.  |
|  <a href="#">TabToDialogIfNotOpen_TKS</a>     | This keyword opens a dialog window for a cell in a table if the dialog is not alr<br>column.                |
|  <a href="#">TotalColumnSum_TKS</a>           | This keyword calculates the sum of all the values in a specified column.                                    |
|  <a href="#">TriageReport</a>                 | This keyword is used to report a step during execution and the details about i                              |
|  <a href="#">VerifyDate_TKS</a>               | This keyword verifies whether or not the date in a text field is the same day a                             |
|  <a href="#">VerifyDefault_TKS</a>            | This keyword checks to see if a text field has a default value. It is used with g<br>properties at runtime. |
|  <a href="#">VerifyDefaultSelect_TKS</a>      | This keyword sets a specific checkbox to on or off per the data sheet specifica                             |
|  <a href="#">VerifyGreaterOrLess_TKS</a>      | This keyword verifies if a text field is greater or less than a specified numeric                           |

 [VerifyTableDefault\\_TKS](#)

This keyword checks to see if a specified table field has a default value.


 [WaitForWindow\\_TKS](#)

This keyword verifies that a specified Oracle window or OracleFlexWindow open



## Approve\_TKS

This keyword optionally approves an Oracle notification window, if it exists, by selecting the OK or Yes button. A screenshot of the window and its text will be captured and saved to the Test Results. If the window does not exist, execution continues as intended.

| Item   | Operation   | Input                    | Output |
|--|-------------|--------------------------|--------|
|  OracleNotification | Approve_TKS | Parameter("eventStatus") |        |



### Parameters

*eventStatus*

This is set to micFail/micPass/micWarning/micDone - The status will be logged to Test Results when the Notification window is approved.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to load the data from the Datasheet and wait for a notification form to open within the number of seconds provided in the Wait\_Time column of the Datasheet. Next the notification will be approved and the status reported to the test results based on the value provided in the Status column of the Datasheet.

| Operation  | LoadData          |                        |
|--|-------------------|------------------------|
|  Generic Notification | WaitForWindow_TKS | Parameter("Wait_Time") |
|  Generic Notification | Approve_TKS       | Parameter("Status")    |

## ApproveWithTimeout\_TKS

This keyword optionally approves an Oracle notification window by clicking on an "OK" or "Yes" button, if the window appears within the specified timeout.

| Item   | Operation              | Input   | Output |
|--|------------------------|---|--------|
|  OracleNotification | ApproveWithTimeout_TKS | Parameter("Timeout"),<br>Parameter("EventStatus") |        |

### Parameters

#### *Timeout*



This is the amount of time in seconds that the automation will wait for the window to open. If the window does not open within this time, this step will be skipped and execution will continue.

#### *EventStatus*

This is the status to report to Test Results when the notification window is approved, or does not appear. Values - micFail/micPass/micWarning/micGeneral


### Example

Here is an example of a component that is using this keyword. The order of the steps are to capture the ID in the notification form and save it in the output parameter Request\_ID\_Out and also saving it in the Request\_ID\_Out column in the Datasheet. Then the notification will be approved within the time in seconds provided in the Wait\_Time column of the Datasheet and the status reported to the test results based on the value provided in the Status column of the Datasheet.

|  |                        |  |                             |
|--|------------------------|--|-----------------------------|
|  Generic Notification | OutputRequestID_TKS    | "Request_ID_Out"                           | Parameter("Request_ID_Out") |
|  Generic Notification | ApproveWithTimeout_TKS | Parameter("Wait_Time").Parameter("Status") |                             |

## CheckAllCheckbox\_TKS

This keyword checks or unchecks all checkboxes in a column and optionally approve any notification windows that may appear.

| Item  | Operation            | Input   | Output |
|---|----------------------|---|--------|
|  OracleTable | CheckAllCheckbox_TKS | "ColumnName",<br>Parameter("Datavalue"),<br>"AcknowledgeNote" |        |

### Parameters

#### ColumnName

This is the column that contains the checkboxes to change. This is typically a constant value.

#### DataValue

This is the value to which to change the checkbox to. Setting the value to "True" or "<ON>" will check the checkboxes. Setting the value to "False" or "<OFF>" will uncheck the checkboxes.

#### AcknowledgeNote

This value will determine whether or not to approve notification windows that appear. Setting the value to "True" or "<ON>" will approve the notification window. Setting the value to "False" or "<OFF>" will not approve the notification window. This can either be set as a constant value or a component parameter where the value is set in the data sheet.


### Example

Here is an example of a component that is using this keyword. The order of the steps are loading the data from the data sheet, verifying the correct form is open, selecting the correct tab in the form, using the AddEditLineOperation\_TKS keyword to select the correct row in the table, saving that row number to an output parameter. The next step is using the CheckAllCheckbox\_TKS keyword to set the value of all the checkboxes in the column with name "Enable" to the status provided from the data sheet and to approve any Notifications that may pop-up.

| Item      | Operation                | Value   | Output                          | Documentation                              |
|-----------|--------------------------|---|---------------------------------|--|
| Operation | LoadData                 |   |                                 | Loads input parameters from the test data  |
| Journals  | VerifyExists_TKS         |   |                                 | Verify the "Journals" form window is open  |
| Lines     | Select_TKS               |   |                                 | Select "Lines" tabbed region if exists and |
| LINES     | AddEditLineOperation_TKS | Parameter("AddEditLine").Parameter("Search_Column").Parameter("Search_Value") | LocalParameter("Record_Number") | Perform operation (the value of the 'AddE  |
| Operation | SetOutputParameter_TKS   | LocalParameter("Record_Number")   | Parameter("Record_Number_Out")  | Passes data to a component output paran    |
| LINES     | CheckAllCheckbox_TKS     | "Enable".Parameter("Checkbox_Status")."<ON>"                                  |                                 | Sets all checkboxes of "LINES" table in    |
| LINES     | EnterField_TKS           | LocalParameter("Record_Number")."Account".Parameter("Account")                |                                 | Enter (the value of the 'Account' compon   |

## CheckBoxIfValueExists\_TKS

This keyword sets the checkbox in a specified column to ON for the first record with a value in the specified table column. It will also clear notification "Note" windows automatically.

| Item  | Operation                 | Input                             | Output |
|---|---------------------------|-----------------------------------|--------|
|  OracleTable | CheckBoxIfValueExists_TKS | "DataColumnName",<br>"ColumnName" |        |

### Parameters

#### *DataColumnName*

This is the column to check for a value in. This is typically a constant value.

#### *CheckboxColumnName*

This is the column name that contains the checkboxes. This is typically a constant value.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to load the data from the data sheet, verify the Journals form is open within 90 seconds. Then select the Lines tab in the form and use the AddEditLineOperation\_TKS keyword to select the correct row in the table based on the values provided in the AddEditLine, Search\_Column, and Search\_Vale columns in the Datasheet. Next is to save that row number to an output parameter. The next step is to use the CheckBoxIfValueExists\_TKS keyword to capture the value that is in the cell for the row found using the AddEditLine\_TKS and the column with name Line. Then enter the value in the Account column of the Datasheet into the row saved in the Record\_Number and the Account column of the LINES table.

| Item      | Operation                 | Value   | Output                          | Documentation                              |
|-----------|---------------------------|---|---------------------------------|--|
| Operation | LoadData                  |   |                                 | Loads input parameters from the test data  |
| Journals  | VerifyExists_TKS          |   |                                 | Verify the "Journals" form window is open  |
| Lines     | Select_TKS                |   |                                 | Select "Lines" tabbed region if exists and |
| LINES     | AddEditLineOperation_TKS  | Parameter("AddEditLine"),Parameter("Search_Column"),Parameter("Search_Value") | LocalParameter("Record_Number") | Perform operation (the value of the 'AddE  |
| Operation | SetOutputParameter_TKS    | LocalParameter("Record_Number")   | Parameter("Record_Number_Out")  | Passes data to a component output par      |
| LINES     | CheckBoxIfValueExists_TKS | "Line"."Enable"   |                                 | Select all "Enable" column checkbox of     |
| LINES     | EnterField_TKS            | LocalParameter("Record_Number"),"Account",Parameter("Account")                |                                 | Enter (the value of the 'Account' compon   |

## ClickButton

This keyword clicks a button based on the input arguments provided in the Datasheet (the parent window title, the button label and the tab title).

| Item  | Operation   | Input  | Output |
|---|-------------|--|--------|
|  Operation | ClickButton | Parameter("formTitle"),<br>Parameter("buttonLabel"),<br>Parameter("tabRegionLabel"),<br>Parameter("formTimeOut") |        |

### Parameters

#### *formTitle*

This is the title on the Oracle form where the button is located.

#### *buttonLabel*

This is the text on the button to be clicked.

#### *tabRegionLabel*




This is the title of the tab where the button is located.

#### *formTimeOut*

This is the number of seconds to wait for the Oracle form before reporting an error.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Account Inquiry form is open within 90 seconds. Then the button provided in the Button\_Label column of the datasheet that is on the tab provided in the Tab\_Region column of the Datasheet which is on the form provided in the Form\_Title column of the Datasheet will be clicked within the number of seconds provided in the Timeout column of the Datasheet. Next the value provided in the Currency\_Type column of the Datasheet will be selected from the list in the Currency|Type OracleList.

|   |                  |  |
|---|------------------|--|
|  Account Inquiry | VerifyExists_TKS |  |
|  Operation       | ClickButton      | Parameter("Form_Title"),Parameter("Button_Label"),Parameter("Tab_Region"),Parameter("Timeout") |
|  Currency Type   | Select_TKS       | Parameter("Currency_Type")   |

## ClickButtonTillCellEquals\_TKS

This keyword clicks a button object until the table cells actual value matches the specified expected value. This is valuable when scroll or wheel buttons are used to change a record or value in a table cell.

| Item  | Operation                     | Input  | Output |
|---|-------------------------------|--|--------|
|  OracleTable | ClickButtonTillCellEquals_TKS | LocalParameter("RecordNumber"),<br>"ColumnName",<br>"objButton",<br>Parameter("DataValue"),<br>Parameter("MaxSeconds") |        |

### Parameters

#### *RecordNumber*

This is the record number of the record into which to enter data. Use "New" to select the next new record location.

#### *ColumnName*

This is the name of the column into which to enter data.

#### *objButton*

This is the button object to be clicked.

#### *DataValue*




This is the value in the cell at which clicking the button will stop.

#### *MaxSeconds*

This is the maximum number of seconds to continue clicking the button. If this time is reached without the value being reached, execution will stop and a failure will be reported.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to click the Next button until the value in the cell that is in the row saved in Record\_Number and the column Num is equal to the value in the Num column of the Datasheet. It will wait for the values to be equal for 30 seconds before failing this step. Next the values in the Requesting\_Org and Requisition\_Number columns of the Datasheet will be entered into the cells that are in the row saved in Record\_Number and the Requesting Org and Requisition: Number columns of the PO\_DISTRIBUTIONS table.

|  |                               |  |
|--|-------------------------------|--|
|  PO_DISTRIBUTIONS | ClickButtonTillCellEquals_TKS | LocalParameter("Record_Number"), "Num", "Next", Parameter("Num"), "30"                   |
|  PO_DISTRIBUTIONS | EnterField_TKS                | LocalParameter("Record_Number"), "Requesting Org", Parameter("Requesting_Org")           |
|  PO_DISTRIBUTIONS | EnterField_TKS                | LocalParameter("Record_Number"), "Requisition : Number", Parameter("Requisition_Number") |

## ClickButtonTillValEquals\_TKS

This keyword clicks a button object until the value in the text object equals a specific expected value. This is valuable when scroll or wheel buttons are used to change a record or value in a text box.

| Item  | Operation                    | Input   | Output |
|---|------------------------------|---|--------|
|  OracleTextField | ClickButtonTillValEquals_TKS | Parameter("objButton"),<br>Parameter("DataValue"),<br>Parameter("MaxSeconds") |        |

### Parameters

#### *objButton*

This is the button object to be clicked.

#### *DataValue*




This is the expected value in the textbox at which the clicking of the button will stop.

#### *MaxSeconds*

This is the maximum number of seconds to continue clicking the button. If this time is reached without the value being reached, execution will stop and a failure will be reported.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to enter the value in the Manufacturer column of the Datasheet into the Manufacturer EditField. Next the button that is provided in the Button\_Label column of the Datasheet will be clicked until the value in the Model EditField is equal to the value provided in the Model column of the Datasheet. This will be done until the values are equal or until 30 seconds have passed. If the values do not become equal in 30 seconds, this step will fail. Next the value in the Warranty\_Number column of the Datasheet will be entered into the Warranty\_Number EditField.

|   |                              |   |
|---|------------------------------|---|
|  Manufacturer    | Enter_TKS                    | Parameter("Manufacturer")                         |
|  Model           | ClickButtonTillValEquals_TKS | Parameter("Button_Label"),Parameter("Model"),"30" |
|  Warranty Number | Enter_TKS                    | Parameter("Warranty_Number")                      |

## ClickTab

This keyword clicks a tab based on the parent window title and the tab label, as specified in a data sheet. A Fail status is reported to Test Results if the tab is not found.

| Item  | Operation | Input  | Output |
|---|-----------|--|--------|
|  Operation | ClickTab  | Parameter("FormTitle"),<br>Parameter("TabLabel") |        |

### Parameters

#### *FormTitle*

This is the title of the parent window with the specific tab to be clicked.

#### *TabLabel*

This is the label of the specific tab to be clicked.

### Example


Here is an example of a component that is using this keyword. The order of the steps are to verify that the Account Inquiry form is open within 90 seconds. Then the tab provided in the Tab\_Label column of the datahseet which is on the form provided in the Form\_Title column of the Datasheet will be clicked. Next the value provided in the Currency\_Type column of the Datasheet will be selected from the list in the Currency|Type OracleList.

|   |                  |  |
|---|------------------|--|
|  Account Inquiry | VerifyExists_TKS |  |
|  Operation       | ClickTab         | Parameter("Form_Title"),Parameter("Tab_Label") |
|  Currency Type   | Select_TKS       | Parameter("Currency_Type")                     |



## CloseWindowIfExists\_TKS

This keyword closes a window if it exists.

| Item   | Operation               | Input                    | Output |
|--|-------------------------|--------------------------|--------|
|  OracleFormWindow | CloseWindowIfExists_TKS | Parameter("FormTimeOut") |        |




### Parameters

*FormTimeOut*

This is the number of seconds to wait for the form before reporting an error.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to check or uncheck the Amortize Adjustment and New Category and Description checkbox based on the values provided in the Amortize\_Adjustment and New\_Category\_and\_Description columns of the Datasheet. Then the Add to Asset form will be closed if it is found to be open.

|   |                         |   |
|---|-------------------------|---|
|  Amortize Adjustment           | Select_TKS              | Parameter("Amortize_Adjustment")          |
|  New Category and Description | Select_TKS              | Parameter("New_Category_and_Description") |
|  Add to Asset                | CloseWindowIfExists_TKS |   |

## CompareLocalParameter

This keyword compares two values saved in LocalParameters. The result is then logged in the Test Results.

| Item  | Operation             | Input  | Output |
|---|-----------------------|--|--------|
|  Operation | CompareLocalParameter | LocalParameter("FirstValue"),<br>LocalParameter("SecondValue") |        |

### Parameters

#### *FirstValue*





This is the first value to compare to second value.

#### *SecondValue*

This is the second value to compare to first value.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Select Invoices form is open within 90 seconds. Then the value in the Payment Amount EditField will be compared to the value in the Payment\_Amount column of the Datasheet to verify that they are equal. The value from the EditField will also be saved into the LocalParameter oPayment\_Amount. Next the value in the Total EditField will be compared to the value in the Total column of the Datasheet to verify that they are equal. The value from the EditField will also be saved into the LocalParameter oTotal. Next the two LocalParameters will be compared to the verify that the Payment Amount is equal to the Total.

|   |                       |  |                                   |
|---|-----------------------|--|-----------------------------------|
|  Select Invoices | VerifyExists_TKS      |  |                                   |
|  Payment Amount  | Verify_TKS            | Parameter("Payment_Amount")                                | LocalParameter("oPayment_Amount") |
|  Total           | Verify_TKS            | Parameter("Total")   | LocalParameter("oTotal")          |
|  Operation       | CompareLocalParameter | LocalParameter("oPayment_Amount"),LocalParameter("oTotal") |                                   |

## CompareValues

This keyword compares two values using an operator to determine if one is greater than the other or if they are equal.

| Item  | Operation     | Input  | Output |
|---|---------------|--|--------|
|  Operation | CompareValues | Parameter("StepName"),<br>Parameter("firstValue"),<br>Parameter("operator"),<br>Parameter("secondValue") |        |

### Parameters

#### *StepName*

This is a short description of the values being compared.

#### *firstValue*

This is the first value to compare.

#### *operator*

This is the comparison operator: "<" Less Than, ">" Greater Than, "<=" Less Than Or Equal To, ">=" Greater Than Or Equal To, "=" Equal To, "<>" Not Equal To

#### *secondValue*

This is the second value being compared.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Select Invoices form is open within 90 seconds. Then the value in the Payment Amount EditField will be compared to the value in the Payment\_Amount column of the Datasheet to verify that they are equal. The value from the EditField will also be saved into the LocalParameter oPayment\_Amount. Next the value in the Total EditField will be compared to the value in the Total column of the Datasheet to verify that they are equal. The value from the EditField will also be saved into the LocalParameter oTotal. Next the two LocalParameters will be compared based on the value provided in the Operator column of the Datasheet. The Test Results step for this comparison will have the name provided in the StepName column of the Datasheet.

|   |                  |  |                                   |
|---|------------------|--|-----------------------------------|
|  Select Invoices | VerifyExists_TKS |  |                                   |
|  Payment Amount  | Verify_TKS       | Parameter("Payment_Amount")  | LocalParameter("oPayment_Amount") |
|  Total           | Verify_TKS       | Parameter("Total")   | LocalParameter("oTotal")          |
|  Operation       | CompareValues    | Parameter("StepName"),LocalParameter("oPayment_Amount"),Parameter("Operator"),LocalParameter("oTotal") |                                   |

## Concatenate

This keyword concatenates two strings together.

| Item  | Operation   | Input   | Output                          |
|---|-------------|---|---------------------------------|
|  Operation | Concatenate | Parameter("String1"),<br>Parameter("String2") | LocalParameter("Concatenation") |

### Parameters

#### *String1*

This is the string to start with.

#### *String2*




This is the string to append to String1.

### Return Values

The two strings concatenated together.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Account Inquiry form is open within 90 seconds and then the two values provided in the String1 and String2 columns of the Datasheet will be concatenated. The result of the Concatenation will be saved into the LocalParameter Concatenation for later use in the component. Next the value provided in the Currency\_Type column of the Datasheet will be selected from the list in the Currency|Type OracleList.

|   |                  |   |                                 |
|---|------------------|---|---------------------------------|
|  Account Inquiry | VerifyExists_TKS |   |                                 |
|  Operation       | Concatenate      | Parameter("String1"),Parameter("String2") | LocalParameter("Concatenation") |
|  Currency Type   | Select_TKS       | Parameter("Currency_Type")                |                                 |

## CreateUniqueIDLength\_TKS

This keyword generates a Canadian Social Insurance Number (S.I.N.) based on the luhn algorithm.

| Item  | Operation                | Input  | Output |
|---|--------------------------|--|--------|
|  Operation | CreateUniqueIDLength_TKS | Parameter("DataValue"),<br>Parameter("DataLength") |        |

### Parameters

#### *DataValue*

This is the value in which <UniqueID> is to be found and replaced with the generated ID.

#### *DataLength*




This is the length in characters of the UniqueID.

### Return Values

A unique ID with a specific length, generated in the form of a Canadian Social Insurance Number.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Account Inquiry form is open within 90 seconds. Next a unique value with a length provided in the Length column of the Datasheet will be generated. Then the value provided in the UniqueID column of the Datasheet will be searched for in the form and be replaced by the generated value. The generated value will also be saved in the LocalParameter oUniqueID. Next the value provided in the Currency\_Type column of the Datasheet will be selected from the list in the Currency|Type OracleList.

|   |                          |   |                             |
|---|--------------------------|---|-----------------------------|
|  Account Inquiry | VerifyExists_TKS         |   |                             |
|  Operation       | CreateUniqueIDLength_TKS | Parameter("UniqueID"),Parameter("Length") | LocalParameter("oUniqueID") |
|  Currency Type   | Select_TKS               | Parameter("Currency_Type")                |                             |

## EnterFieldFromLOV\_TKS

This keyword will open an LOV window for the current object and then select the specified value in that LOV window.

| Item  | Operation             | Input   | Output |
|---|-----------------------|---|--------|
|  OracleTable | EnterFieldFromLOV_TKS | LocalParameter("RecordNumber"),<br>"ColumnName", Parameter("DataValue") |        |

### Parameters

#### *RecordNumber*

This is the record number (row) of the cell that is to be edited.

#### *ColumnName*




This is the name of the column of the cell that is to be edited.

#### *DataValue*

This is the data value to enter into the cell. If the value is set to <FIRST>, the first value in the LOV window will be selected. If the value is set to <LAST>, the last value in the LOV window will be selected


### Example

Here is an example of a component that is using this keyword. The order of the steps are to enter the value from the Rate\_Date column of the Datasheet into the cell in the row saved in Record\_Number and Rate Date column. Then the value in the Displayed\_Rate column of the Datasheet will be selected from the LOV corresponding to the cell in the row saved in Record\_Number and the Displayed Rate column. Next is to enter the value from the PO\_Accrual\_Account column of the Datasheet into the cell in the row saved in Record\_Number and PO Accrual Account column.

|  |                       |  |
|--|-----------------------|--|
|  PO_DISTRIBUTIONS | EnterField_TKS        | LocalParameter("Record_Number"), "Rate Date", Parameter("Rate_Date")                   |
|  PO_DISTRIBUTIONS | EnterFieldFromLOV_TKS | LocalParameter("Record_Number"), "Displayed Rate", Parameter("Displayed_Rate")         |
|  PO_DISTRIBUTIONS | EnterField_TKS        | LocalParameter("Record_Number"), "PO Accrual Account", Parameter("PO_Accrual_Account") |

## EnterFromLOV\_TKS

This keyword will open an LOV window for the current object and then select the specified value in that LOV window.

| Item  | Operation        | Input                  | Output |
|---|------------------|------------------------|--------|
|  OracleTextField | EnterFromLOV_TKS | Parameter("DataValue") |        |





### Parameters

#### *DataValue*

This is the value to enter into the specified text field if it exists. If the value is set to <FIRST>, the first value in the LOV window will be selected. If the value is set to <LAST>, the last value in the LOV window will be selected.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Asset Key Flexfield is open within 90 seconds. Then the value in the Asset\_Key\_Project\_Number column of the Datasheet will be selected from the ListOfValues that is associated with the Project Number EditField. Then the value in the Asset\_Key\_Project\_Task column of the Datasheet will be entered into the Project Task EditField with no verification. Next the OK button will be clicked if it is found in the application.

|   |                       |                                       |
|---|-----------------------|---------------------------------------|
|  Asset Key Flexfield | VerifyExists_TKS      |                                       |
|  Project Number      | EnterFromLOV_TKS      | Parameter("Asset_Key_Project_Number") |
|  Project Task        | EnterNoValidation_TKS | Parameter("Asset_Key_Project_Task")   |
|  OK                  | ClickIfExist_TKS      |                                       |

## EnterIfExist\_TKS

This keyword allows a specified value to be entered into a text field only if it exists. If it does not exist, execution will continue.

| Item  | Operation        | Input                  | Output |
|---|------------------|------------------------|--------|
|  OracleTextField | EnterIfExist_TKS | Parameter("DataValue") |        |






### Parameters

*DataValue*

This is the value to enter into the specified text field if it exists.

### Example


Here is an example of a component that is using this keyword. The order of the steps are to open the Category Flexfield Oracle FlexWindow from the Category EditField and verify that the Category Flexfield is open. Then it will enter the data that is in the Category\_Major and Category\_Minor columns in the Datasheet into the respective fields if they are found in the application. Next the OK button on the FlexWindow will be clicked if it is found in the application.

|  |                         |                             |
|--|-------------------------|-----------------------------|
|  Category           | OpenDialogIfNotOpen_TKS | "Category Flexfield"        |
|  Category Flexfield | VerifyExists_TKS        |                             |
|  Major Category     | EnterIfExist_TKS        | Parameter("Category_Major") |
|  Minor Category     | EnterIfExist_TKS        | Parameter("Category_Minor") |
|  OK                 | ClickIfExist_TKS        |                             |



## EnterKeyStroke\_TKS

This keyword uses the Windows Scripting Host to type into an object. It replicates the keystrokes from the keyboard, as opposed to accessing the object, as is traditionally done. This keyword is only used to troubleshoot and solve issues.

| Item  | Operation          | Input                                 | Output |
|---|--------------------|---------------------------------------|--------|
|  OracleTextField | EnterKeyStroke_TKS | Parameter("Key"),<br>Parameter("Tab") |        |

### Parameters

#### Key




This is a character or string of characters to be typed.

#### Tab

This should be a True/False value which will tab after entering the key characters if it is set to True.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to enter the keyboard stroke that is provided in the Key column of the Datasheet and then it will tab off of the Edit Field or not based on the value provided in the Tab column of the Datasheet. Next the value in the Investment\_Law column of the Datasheet will be entered into the Investment Law EditField. Then a screenshot will be taken of the application and be titled Asset Details Form.

|  |                       |                                   |
|--|-----------------------|-----------------------------------|
|  Commitment     | EnterKeyStroke_TKS    | Parameter("Key"),Parameter("Tab") |
|  Investment Law | Enter_TKS             | Parameter("Investment_Law")       |
|  Asset Details  | CaptureScreenClip_TKS | "Asset Details Form"              |

## EnterNoValidation\_TKS

This keyword will enter a value into a field after looking for tags without tabbing out of the field to validate the value.

| Item  | Operation             | Input                  | Output |
|---|-----------------------|------------------------|--------|
|  OracleTextField | EnterNoValidation_TKS | Parameter("DataValue") |        |

### Parameters

#### *DataValue*

This is the tag or value to enter into the field.

Some Useful Tags:





<CLEAR> = clear out the value currently in that cell.

blank "" = skip entry and continue execution.

<UniqueID> = Tag is replaced with a uniquely generated number.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Asset Key Flexfield is open within 90 seconds. Then the value in the Asset\_Key\_Project\_Number column of the Datasheet will be selected from the ListOfValues that is associated with the Project Number EditField. Then the value in the Asset\_Key\_Project\_Task column of the Datasheet will be entered into the Project Task EditField with no verification. Next the OK button will be clicked if it is found in the application.

|   |                       |                                       |
|---|-----------------------|---------------------------------------|
|  Asset Key Flexfield | VerifyExists_TKS      |                                       |
|  Project Number      | EnterFromLOV_TKS      | Parameter("Asset_Key_Project_Number") |
|  Project Task        | EnterNoValidation_TKS | Parameter("Asset_Key_Project_Task")   |
|  OK                  | ClickIfExist_TKS      |                                       |

## EnterTextByIndex\_TKS

This keyword enters text into a field based on the form where the field is located and the index of the field.

| Item  | Operation            | Input  | Output |
|---|----------------------|--|--------|
|  Operation | EnterTextByIndex_TKS | Parameter("FormTitle"),<br>Parameter("DataValue"),<br>Parameter("Index") |        |

### Parameters

#### *FormTitle*

This is the title of the form or short title of the flex window

#### *DataValue*




This is the text to enter in the specified form.

#### *Index*

This is the index of the field on the form.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Account Inquiry form is open within 90 seconds and the value provided in the Currency\_Type column of the Datasheet will be selected from the list in the Currency|Type OracleList. Next the value in the Text column of the Datasheet will be entered into the field with the index provided in the Index column of the Datasheet that is on the form provided in the Form\_Title column of the Datasheet.

|   |                      |  |
|---|----------------------|--|
|  Account Inquiry | VerifyExists_TKS     |  |
|  Currency Type   | Select_TKS           | Parameter("Currency_Type")                                   |
|  Operation       | EnterTextByIndex_TKS | Parameter("Form_Title").Parameter("Text").Parameter("Index") |

## ExitComponentIf\_TKS

This keyword compares two values using an operator to determine if one is greater than the other or if they are equal. If the result is True, the component will be exited.

| Item  | Operation           | Input  | Output |
|---|---------------------|--|--------|
|  Operation | ExitComponentIf_TKS | Parameter("StepName"),<br>Parameter("firstValue"),<br>Parameter("operator"),<br>Parameter("secondValue") |        |

### Parameters

#### *StepName*

This is a short description of the values being compared.

#### *firstValue*

This is the first value to compare.

#### *operator*



This is the comparison operator: "<" Less Than, ">" Greater Than, "<=" Less Than Or Equal To, ">=" Greater Than Or Equal To, "=" Equal To, "<>" Not Equal To

#### *secondValue*

This is the second value being compared.


### Example

Here is an example of a component that is using this keyword. The order of the steps are as follows: the value in the Payment Amount EditField will be compared to the value in the Payment\_Amount column of the Datasheet to verify that they are equal. The value from the EditField will also be saved into the LocalParameter oPayment\_Amount. Next the value in the Total EditField will be compared to the value in the Total column of the Datasheet to verify that they are equal. The value from the EditField will also be saved into the LocalParameter oTotal. Next the two LocalParameters will be compared based on the value provided in the Operator column of the Datasheet. The Test Results step for this comparison will have the name provided in the StepName column of the Datasheet. If the comparison is true, the component execution will be exited.

|  |                     |  |                                   |
|--|---------------------|--|-----------------------------------|
|  Payment Amount | Verify_TKS          | Parameter("Payment_Amount")  | LocalParameter("oPayment_Amount") |
|  Total          | Verify_TKS          | Parameter("Total")   | LocalParameter("oTotal")          |
|  Operation      | ExitComponentIf_TKS | Parameter("StepName"),LocalParameter("oPayment_Amount"),Parameter("Operator"),LocalParameter("oTotal") |                                   |

## ExitTestIterationIfFalse\_TKS

This keyword exits the current test iteration and closes all Oracle Forms when a specified value is set to false. This is useful for when a checkpoint fails the test, and test should be exited.

| Item  | Operation                    | Input                     | Output |
|---|------------------------------|---------------------------|--------|
|  |                              |                           |        |
| Operation   | ExitTestIterationIfFalse_TKS | Parameter("BooleanValue") |        |

### Parameters

*BooleanValue*

This is the value that, if set to False, causes exit from test iteration and close all Oracle Forms.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Account Inquiry form is open within 90 seconds and the value provided in the Currency\_Type column of the Datasheet will be selected from the list in the Currency|Type OracleList. Next the execution will be exited if the value in the BooleanValue column of the Datasheet is set to False.

|   |                 |                              |                            |
|---|-----------------|------------------------------|----------------------------|
|   | Account Inquiry | VerifyExists_TKS             |                            |
|  | Currency Type   | Select_TKS                   | Parameter("Currency_Type") |
|  | Operation       | ExitTestIterationIfFalse_TKS | Parameter("BooleanValue")  |

## FindLastCheckNum

This keyword calculates the last check number based on the first check number and the number of payments made. The calculation used is  $\text{firstdocumentnum} + (\text{overallpymtcnt} - 1)$ .

| Item  | Operation        | Input   | Output                         |
|---|------------------|---|--------------------------------|
|  Operation | FindLastCheckNum | Parameter("firstdocumentnum"),<br>Parameter("overallpymtcnt") | LocalParameter("LastCheckNum") |

### Parameters

*firstdocumentnum*

This is the first document number.

*overallpymtcnt*




This is the overall number of payments made.

### Return Values

This keyword returns the last check number.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the value in the Payment Amount EditField is equal to the value in the Payment\_Amount column of the Datasheet and also verify that the value in the Total EditField is equal to the value in the Total column of the Datasheet. Next the last check number will be found from the values provided in the First\_Doc\_Num and Overall\_Payment\_Count columns of the Datasheet.

|  |                  |   |
|--|------------------|---|
|  Payment Amount | Verify_TKS       | Parameter("Payment_Amount")                                   |
|  Total          | Verify_TKS       | Parameter("Total")  |
|  Operation      | FindLastCheckNum | Parameter("First_Doc_Num"),Parameter("Overall_Payment_Count") |

## FindSelectIfExist\_TKS

This keyword finds and selects a specific item in a list of values. If the expected value is blank, this step will be skipped and execution will continue.

| Item   | Operation             | Input                  | Output |
|--|-----------------------|------------------------|--------|
|  OracleListOfValues | FindSelectIfExist_TKS | Parameter("DataValue") |        |




### Parameters

*DataValue*

This is the item to select in the list of values.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Lifes OracleListOfValues field is open in the application and then searches for the value in the Lifes column of the Datasheet in the Lifes OracleListOfValues field and selects that value if it is found. Then the value in the Line\_Number column of the Datasheet will be entered into the Line Number EditField.

|   |                       |                          |
|---|-----------------------|--------------------------|
|  Lifes        | VerifyExists_TKS      |                          |
|  Lifes       | FindSelectIfExist_TKS | Parameter("Lifes")       |
|  Line Number | Enter_TKS             | Parameter("Line_Number") |

## GetAttachment

This keyword retrieves an attachment from the current test case and saves it to a specified path.

| Item  | Operation     | Input  | Output |
|---|---------------|--|--------|
|  Operation | GetAttachment | Parameter("FileName"),<br>Parameter("OutPath") |        |

### Parameters

*FileName*

This is the file name of the attachment to be retrieved.

*OutPath*

This is the path to the location to which to save the attachment file.

### Example


Here is an example of a component that is using this keyword. The order of the steps are to verify that the Account Inquiry form is open within 90 seconds and the value provided in the Currency\_Type column of the Datasheet will be selected from the list in the Currency|Type OracleList. Next the attachment from the current test case provided in the File\_Name column of the Datasheet will be saved to the location provided in the File\_Path column of the Datasheet.

|   |                  |   |
|---|------------------|---|
|  Account Inquiry | VerifyExists_TKS |   |
|  Currency Type   | Select_TKS       | Parameter("Currency_Type")                    |
|  Operation       | GetAttachment    | Parameter("File_Name"),Parameter("File_Path") |



## GetAttachmentFromTest

This keyword retrieves an attachment from any specified test case and saves it to a specified path.

| Item  | Operation             | Input  | Output |
|---|-----------------------|--|--------|
|  Operation | GetAttachmentFromTest | Parameter("TestName"),<br>Parameter("FileName"),<br>Parameter("OutPath") |        |

### Parameters

#### *TestName*

This is the name of the test case that contains the attachment.

#### *FileName*




This is the file name of the attachment file.

#### *OutPath*

This is the path to the location to which to save the file.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Account Inquiry form is open within 90 seconds and the value provided in the Currency\_Type column of the Datasheet will be selected from the list in the Currency|Type OracleList. Next the attachment provided in the File\_Name column of the Datasheet from the test case provided in the Test\_Name column of the Datasheet will be saved to the location provided in the File\_Path column of the Datasheet.

|   |                       |  |
|---|-----------------------|--|
|  Account Inquiry | VerifyExists_TKS      |  |
|  Currency Type   | Select_TKS            | Parameter("Currency_Type")   |
|  Operation       | GetAttachmentFromTest | Parameter("Test_Name").Parameter("File_Name").Parameter("File_Path") |

## GetAttachmentFromTestObject

This keyword retrieves an attachment from a test object and saves it to a specified path.

| Item  | Operation                   | Input  | Output |
|---|-----------------------------|--|--------|
|  Operation | GetAttachmentFromTestObject | Parameter("Object"),<br>Parameter("FileName"),<br>Parameter("OutPath") |        |

### Parameters

#### *Object*

This is the test object from which to retrieve the file to be attached.

#### *FileName*

This is the name of the attachment file.

#### *OutPath*




This is the path to which to save the attachment file.

#### *KeepLatest*

This is whether or not to override any existing files with the same name. This is a True or False value.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Account Inquiry form is open within 90 seconds and the value provided in the Currency\_Type column of the Datasheet will be selected from the list in the Currency|Type OracleList. Next the attachment provided in the File\_Name column of the Datasheet, from the test object provided in the Object column of the Datasheet will be saved to the location provided in the File\_Path column of the Datasheet. The current file will override any files in the same path with the same name if the value in the KeepLatest column of the Datasheet is set to True.

|   |                             |   |
|---|-----------------------------|---|
|  Account Inquiry | VerifyExists_TKS            |   |
|  Currency Type   | Select_TKS                  | Parameter("Currency_Type")  |
|  Operation       | GetAttachmentFromTestObject | Parameter("Object"),Parameter("File_Name"),Parameter("File_Path"),Parameter("KeepLatest") |

## GetBPTRunName

This keyword retrieves the HP Quality Center BPT RunName from the GeneralInfo.ini file. This only works for a BPT test during run time. One component must be run in the test case prior to this function working. The GeneralInfo file is automatically created at the end of the first component during a test run.




| Item  | Operation     | Input | Output                    |
|---|---------------|-------|---------------------------|
|  Operation | GetBPTRunName |       | LocalParameter("RunName") |

### Return Values

This keyword returns the current HP Quality Center BPT RunName.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to capture the names of the current test run and test case and save them to the LocalParameters RunName and TestName. Then the file provided in the File\_Path column of the Datasheet will be saved to the Test Run provided from the LocalParameters RunName and TestName with the description provided in the File\_Description column of the Datasheet.

|   |                            |   |                            |
|---|----------------------------|---|----------------------------|
|  Operation   | GetBPTRunName              |   | LocalParameter("RunName")  |
|  Operation  | GetBPTTestName             |   | LocalParameter("TestName") |
|  Operation | SaveAttachmentToBPTTestRun | LocalParameter("RunName"),LocalParameter("TestName"),Parameter("File_Path"),Parameter("File_Description") |                            |

## GetBPTTestName

This keyword retrieves the current HP Quality Center BPT TestName from the GeneralInfo.ini file. This ONLY works for a BPT test during Runtime. One component must be run in the test case prior to this function working. The GeneralInfo file is automatically created at the end of the first component during a test run.




| Item  | Operation      | Input | Output                     |
|---|----------------|-------|----------------------------|
|  Operation | GetBPTTestName |       | LocalParameter("TestName") |

### Return Values

This keyword returns the current HP Quality Center BPT Test Name.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to capture the names of the current test run and test case and save them to the LocalParameters RunName and TestName. Then the file provided in the File\_Path column of the Datasheet will be saved to the Test Run provided from the LocalParameters RunName and TestName with the description provided in the File\_Description column of the Datasheet.

|   |                            |   |                            |
|---|----------------------------|---|----------------------------|
|  Operation  | GetBPTRunName              |   | LocalParameter("RunName")  |
|  Operation  | GetBPTTestName             |   | LocalParameter("TestName") |
|  Operation | SaveAttachmentToBPTTestRun | LocalParameter("RunName"),LocalParameter("TestName"),Parameter("File_Path"),Parameter("File_Description") |                            |

## GetColumnNameBySubstring\_TKS

This keyword gets a Column Name by the first match of a SubString(partial value) name.

| Item  | Operation                    | Input                    | Output |
|---|------------------------------|--------------------------|--------|
|  OracleTable | GetColumnNameBySubstring_TKS | Parameter("PartialColumn | Name") |

### Parameters

*PartialColumnName*




This is the Substring(partial) value of the column for which to find the full name of.

### Return Values

This keyword will return the full column name corresponding to the first match of partial Column Name.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Distributions form is open within 90 seconds and select the More tab. Then the column name with the partial value provided in the Search\_Column will be searched for and when found, the entire column name will be saved to the output parameter Column\_Name.

|  |                              |                            |                          |
|--|------------------------------|----------------------------|--------------------------|
|  Distributions    | VerifyExists_TKS             |                            |                          |
|  More             | Select_TKS                   |                            |                          |
|  PO_DISTRIBUTIONS | GetColumnNameBySubstring_TKS | Parameter("Search_Column") | Parameter("Column_Name") |

## GetFieldValue\_TKS

This keyword goes to the cell in the table designated by the Record Number (Row) and ColumnName and retrieves the value.

| Item  | Operation         | Input  | Output |
|---|-------------------|--|--------|
|  OracleTable | GetFieldValue_TKS | LocalParameter("Record_Number"),<br>"ColumnName" |        |

### Parameters

#### *RecordNumber*

This is the record number of the field to capture the value from. This should be a number or numeric string and is typically a LocalParameter that is the output of a step prior to this one.

#### *ColumnName*








This is the column name or index of the field to capture the value from. This is typically a constant value.

### Return Values

This keyword will return the value of the field specified by the record number and column name.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to load the data from the data sheet, verify the Journals form is open and select the Lines tab in the form. Next is to use the AddEditLineOperation\_TKS keyword to select the correct row in the table based on the values in the AddEditLine, Search\_Column and Search\_Value columns in the Datasheet. The row number will be saved to an output parameter. The next step is to use the GetFieldValue\_TKS keyword to capture the value that is in the cell for the row found using the AddEditLine\_TKS and the column with name Line.

| Item  | Operation                | Value   | Output                          | Documentation  |
|---|--------------------------|---|---------------------------------|--|
|  Operation   | LoadData                 |   |                                 | Loads input parameters from the test data sheet  |
|  Journals    | VerifyExists_TKS         |   |                                 | Verify the "Journals" form window is open within the application                               |
|  Lines       | Select_TKS               |   |                                 | Select "Lines" tabbed region if exists and enable it   |
|  AddEditLine | AddEditLineOperation_TKS | Parameter("AddEditLine"),Parameter("Search_Column"),Parameter("Search_Value") | LocalParameter("Record_Number") | Perform operation (the value of the 'AddEditLine' component output parameter)                  |
|  Operation   | SetOutputParameter_TKS   | LocalParameter("Record_Number")   | Parameter("Record_Number_Out")  | Passes data to a component output parameter  |
|  GetField    | GetFieldValue_TKS        | LocalParameter("Record_Number"),"Line"  |                                 | Get value from "Line" column and (the value of the 'Record_Number' component output parameter) |
|  EnterField  | EnterField_TKS           | LocalParameter("Record_Number"),"Account",Parameter("Account")                |                                 | Enter (the value of the 'Account' component output parameter)                                  |

## GetRecordByGreatestValue\_TKS

This keyword will return the record number (row) of the record containing the greatest value in the specified column. After execution of this keyword is complete, the record will be selected.

| Item  | Operation                    | Input        | Output                         |
|---|------------------------------|--------------|--------------------------------|
|  OracleTable | GetRecordByGreatestValue_TKS | "ColumnName" | LocalParameter("RecordNumber") |

### Parameters

*ColumnName*




This is the column name to be searched. This is typically a constant value.

### Return Values

This keyword will return the record number matching the record with the greatest value in the specified column name.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Distributions form is open within 90 seconds and select the More tab. Then the row will be found that has the greatest value in the column provided in the Search\_Column column in the Datasheet. The row will be saved in the LocalParameter Record\_Number.

|  |                              |                            |                                 |
|--|------------------------------|----------------------------|---------------------------------|
|  Distributions    | VerifyExists_TKS             |                            |                                 |
|  More             | Select_TKS                   |                            |                                 |
|  PO_DISTRIBUTIONS | GetRecordByGreatestValue_TKS | Parameter("Search_Column") | LocalParameter("Record_Number") |

## GetRecordBySubstringValue\_TKS

This keyword will return an Oracle table record number (row) based on a search value in a specified column. After the execution of this keyword is complete, the record will be selected. The VerifyMaxRows flag will go to the last row via the menu to get the number of rows in the table

| Item  | Operation                     | Input                                   | Output                         |
|---|-------------------------------|---|--------------------------------|
|  OracleTable | GetRecordBySubstringValue_TKS | "ColumnName",<br>Parameter("DataValue") | LocalParameter("RecordNumber") |

### Parameters

#### *ColumnName*

This is the column that is to be searched

#### *DataValue*




This is the value which will be searched for. This value can be a partial search value and does not have to be the full value within the cell.

### Return Values

This keyword will return the row number matching the row where The partial value was found.

### Example


Here is an example of a component that is using this keyword. The order of the steps are to verify that the Distributions form is open within 90 seconds and select the More tab. Then the row number will be found that contains the cell under the column provided in the Search\_Column column of the Datasheet and the value provided in the Search\_Value column of the Datasheet. The row number will be saved in the LocalParameter Record\_Number.

|  |                               |  |                                 |
|--|-------------------------------|--|---------------------------------|
|  Distributions    | VerifyExists_TKS              |  |                                 |
|  More             | Select_TKS                    |  |                                 |
|  PD_DISTRIBUTIONS | GetRecordBySubstringValue_TKS | Parameter("Search_Column"),Parameter("Search_Value") | LocalParameter("Record_Number") |



## GetRecordByTwoVal\_TKS

This keyword will return the record number (row) of the first record that matches two specified values. There will be two columns searched for two separate values. There is no limit on the number of records searched.

| Item  | Operation               | Input   | Output                         |
|---|-------------------------|---|--------------------------------|
|  OracleTable | GetRecordByTwoValue_TKS | "ColumnName1",<br>Parameter("DataValue1"),<br>"ColumnName2",<br>Parameter("DataValue2") | LocalParameter("RecordNumber") |

### Parameters

#### *ColumnName1*

This is the first column name to be searched.

#### *DataValue1*

This is the first data value to be searched for in the first column name

#### *ColumnName2*

This is the second column name to be searched.

#### *DataValue2*





This is the Data value to be searched for in the second column name.

### Return Values

This keyword will return the record number matching the record that contains the two values that were searched for.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Distributions form is open within 90 seconds and select the More tab. Then the row number will be found that contains the two cells that have the values provided in the Search\_Value and Search\_Value2 columns of the Datasheet under the columns provided in the Search\_Column and Search\_Column2 columns of the Datasheet. The row number will be saved in the LocalParameter Record\_Number. Then the Record\_Number will set to an output parameter Record\_Number\_Out.

|  |                        |   |                                 |
|--|------------------------|---|---------------------------------|
|  Distributions    | VerifyExists_TKS       |   |                                 |
|  More             | Select_TKS             |   |                                 |
|  PO_DISTRIBUTIONS | GetRecordByTwoVal_TKS  | Parameter("Search_Column"),Parameter("Search_Value"),Parameter("Search_Column2"),Parameter("Search_Value2") | LocalParameter("Record_Number") |
|  Operation        | SetOutputParameter_TKS | LocalParameter("Record_Number")   | Parameter("Record_Number_Out")  |

## GetRecordByValue\_TKS

This keyword will return an Oracle table record number (row) based on a search value in a specified column. After the execution of this keyword is complete, the record will be selected. This function is limited to 100 records. The VerifyMaxRows flag will go to the last record to get the number of records in the table.

| Item  | Operation            | Input                                   | Output                         |
|---|----------------------|---|--------------------------------|
|  OracleTable | GetRecordByValue_TKS | "ColumnName",<br>Parameter("DataValue") | LocalParameter("RecordNumber") |

### Parameters

*ColumnName*

This is the column that is to be searched.

*DataValue*




This is the value which will be searched for within the search column. It must be the exact and full match to the value in a cell.

### Return Values

This keyword will return an Oracle table record number based on the searched value in a specified column.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Distributions form is open within 90 seconds and select the More tab. Then the row with the cell value provided in the Search\_Value column of the Datasheet under the column provided in the Search\_Column column of the Datasheet. The row number will be saved in the LocalParameter Record\_Number.

|  |                      |  |                                 |
|--|----------------------|--|---------------------------------|
|  Distributions    | VerifyExists_TKS     |  |                                 |
|  More             | Select_TKS           |  |                                 |
|  PD_DISTRIBUTIONS | GetRecordByValue_TKS | Parameter("Search_Column"),Parameter("Search_Value") | LocalParameter("Record_Number") |

## GetRecordByValueList\_TKS

This keyword will return an Oracle table record number (row) based on a search value in a specified column. After execution of this keyword is complete, the record will be selected. This is limited to a table with 100 records.

| Item  | Operation                | Input                                       | Output                         |
|---|--------------------------|---|--------------------------------|
|  OracleTable | GetRecordByValueList_TKS | "ColumnName",<br>Parameter("DataValueList") | LocalParameter("RecordNumber") |

### Parameters

#### *ColumnName*

This is the column to be searched.

#### *DataValueList*




This is the list of data values for which to search for. If there are multiple records with this list of values, the first record containing the values will be returned.

### Return Values

This keyword will return the record number matching the record where the search value was found.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Distributions form is open within 90 seconds and select the More tab. Then the row with the cell value provided in the Search\_Value\_List column of the Datasheet under the column provided in the Search\_Column column of the Datasheet. The row number will be saved in the LocalParameter Record\_Number.

|  |                          |   |                                 |
|--|--------------------------|---|---------------------------------|
|  Distributions    | VerifyExists_TKS         |   |                                 |
|  More             | Select_TKS               |   |                                 |
|  PQ_DISTRIBUTIONS | GetRecordByValueList_TKS | Parameter("Search_Column"),Parameter("Search_Value_List") | LocalParameter("Record_Number") |

## GetRecordNumber

This keyword will return an Oracle table record number (row) of an item currently selected in a table.

| Item  | Operation       | Input | Output                         |
|---|-----------------|-------|--------------------------------|
|  Operation | GetRecordNumber |       | LocalParameter("RecordNumber") |

### Parameters

N/A

### Return Values

This keyword will return a record number of an item present in a table which is currently selected in Oracle application.


### Example

Here is an example of a component that is using this keyword. An Operation "GetRecordNumber" as a step in the business component is present below. The keyword will fetch out the row number of the item selected currently in application table. The row number will be saved in the Local Parameter Record\_Number.

|   |                 |                                 |  |
|---|-----------------|---------------------------------|--|
|  Operation | GetRecordNumber | LocalParameter("Record_Number") | Get the record number for the selected item in Oracle Ap |
|---|-----------------|---------------------------------|--|

## GetROTitlePropertyByIndex\_TKS

This keyword will get the title RO Property from the Oracle Form Window with the specified index.

| Item   | Operation                     | Input               | Output |
|--|-------------------------------|---------------------|--------|
|  OracleFormWindow | GetROTitlePropertyByIndex_TKS | Parameter("objInd") |        |



### Parameters

*objInd*

This is the index of the Oracle Form Window. The indexes start at zero.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to check or uncheck the New Category and Description checkbox based on the value in the New\_Category\_and\_Description column in the Datasheet. Then the Title RO Property will be captured from the Add to asset form with the provided index in the Add\_to\_Asset\_Index column of the Datasheet.

|  |                              |   |
|--|------------------------------|---|
|  New Category and Description | Select_TKS                   | Parameter("New_Category_and_Description") |
|  Add to Asset                | GetROTitlePropertyByIndex... | Parameter("Add_to_Asset_Index")           |

## Home\_TKS

This keyword will scroll to the tables first record (row) and then sets focus to a specified column. The keyword is limited to a table with 500 records.

| Item  | Operation | Input                   | Output |
|---|-----------|-------------------------|--------|
|  OracleTable | Home_TKS  | Parameter("ColumnName") |        |




### Parameters

*ColumnName*

This is the column to set the focus to at the beginning of the table.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Distributions form is open within 90 seconds and select the More tab. Then the focus will be set to the cell in the first row and the column provided in the Search\_Column column of the Datasheet.

|  |                  |                            |
|--|------------------|----------------------------|
|  Distributions      | VerifyExists_TKS |                            |
|  More              | Select_TKS       |                            |
|  PO_DISTRIBUTIONS | Home_TKS         | Parameter("Search_Column") |

## InvokeSoftkey\_TKS

This keyword invokes the specified Oracle softkey.

| Item  | Operation         | Input                | Output |
|---|-------------------|----------------------|--------|
|  OracleTable | InvokeSoftkey_TKS | Parameter("Softkey") |        |




### Parameters

*Softkey*

This is the softkey function to perform. Select Ctrl+K to view functions available in an Oracle Applications form. Softkey functions are not case-sensitive.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Distributions form is open within 90 seconds and select the More tab. Then the Softkey provided in the SoftKey column of the Datasheet will be invoked from the PO\_DISTRIBUTIONS table.

|  |                   |                      |
|--|-------------------|----------------------|
|  Distributions      | VerifyExists_TKS  |                      |
|  More              | Select_TKS        |                      |
|  PO_DISTRIBUTIONS | InvokeSoftkey_TKS | Parameter("SoftKey") |

## MultipleApproveCancel\_TKS

This keyword optionally approves or cancels a specific number of instances of an Oracle notification window with specific text, if it is present. If it is not present, this step will be skipped and execution will continue.

| Item   | Operation                 | Input   | Output |
|--|---------------------------|---|--------|
|  OracleNotification | MultipleApproveCancel_TKS | Parameter("Contains"),<br>Parameter("ApproveCancel"),<br>Parameter("NumTimes"),<br>Parameter("EventStatus") |        |

### Parameters

#### *Contains*

This is the block of notification message text to match to select the notification window. If this value is not found in any of the existing messages, this step will fail. If left blank, all notification windows will be selected.

#### *ApproveCancel*

This is the action to perform on the notification window. It should be set to either Accept or Cancel.

#### *NumTimes*

This is the number of windows to be approved or canceled.

#### *EventStatus*

This is the event status to log to test results: micFail/micGeneral/micWarning/micPass.

### Example


Here is an example of a component that is using this keyword. The order of the steps are to verify that the notification form is open within 90 seconds and then multiple notifications will be approved or canceled. The notification contain the value provided in the Contains column of the Datasheet will be approved or canceled based on the value provided in the ApproveCancel column of the Datasheet. The number of notification that are approved or canceled is based on the number provided in the NumberOfWindows column of the Datasheet and the status reported to the test results based on the value provided in the Status column of the Datasheet.

|  |                           |   |
|--|---------------------------|---|
|  Generic Notification | VerifyExists_TKS          |   |
|  Generic Notification | MultipleApproveCancel_TKS | Parameter("Contains"),Parameter("ApproveCancel"),Parameter("NumberOfWindows"),Parameter("Status") |



## NewRecord\_TKS

This keyword creates a new record in an Oracle table.

| Item  | Operation     | Input                   | Output                          |
|---|---------------|-------------------------|---------------------------------|
|  OracleTable | NewRecord_TKS | Parameter("ColumnName") | LocalParameter("Record_Number") |

### Parameters

*ColumnName*




This is the name of the column into which to enter data.

### Return Values

This keyword returns the record number of the record created.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Distributions form is open within 90 seconds and select the More tab. Then the focus will be set to the first row that contains an empty cell in the column provided in the Search\_Column column of the Datasheet.

|  |                  |                            |
|--|------------------|----------------------------|
|  Distributions    | VerifyExists_TKS |                            |
|  More             | Select_TKS       |                            |
|  PO_DISTRIBUTIONS | NewRecord_TKS    | Parameter("Search_Column") |

## OpenTableDialogIfNotOpen\_TKS

This keyword opens a dialog window for a Java cell if the dialog is not already open.

| Item   | Operation               | Input  | Output |
|--|-------------------------|--|--------|
|  JavaEdit | OpenDialogIfNotOpen_TKS | LocalParameter("RecordNumber"),<br>"DialogTitle" |        |

### Parameters

*RecordNumber*



This is the record number for which the dialog window is to be opened.

*DialogTitle*

This is the title of the dialog window to be opened.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Oracle Applications JavaWindow is open within 90 seconds. Then the Period FlexForm Window will be opened from the Period JavaEdit that is embedded in the cell of the table for the row that is saved in the LocalParameter Record\_Number.

|   |                              |   |
|---|------------------------------|---|
|  Oracle Applications - | VerifyExists_TKS             |   |
|  Period                | OpenTableDialogIfNotOpen_TKS | LocalParameter("Record_Number"), "Period" |

## OracleFormWindowsCount

This keyword will returns the count of Oracle forms currently opened in the system

| Item  | Operation              | Input | Output                  |
|---|------------------------|-------|-------------------------|
|  Operation | OracleFormWindowsCount |       | LocalParameter("Count") |

### Parameters

N/A

### Return Values

This keyword will return the count of Oracle forms currently opened in the system.


### Example

Here is an example of a component that is using this keyword. An Operation "OracleFormWindowsCount" as a step is present below. The keyword will fetch out the total count of oracle forms currently opened in the system. This count will be saved in the Local Parameter Count.

 Operation      `OracleFormWindowsCount`      `LocalParameter("Count")`

## OutputRequestID\_TKS

This keyword saves the Request ID, Journal number or the first number found in the notification message to the Output column of the test data sheet.

| Item   | Operation           | Input                        | Output                        |
|--|---------------------|------------------------------|-------------------------------|
|  OracleNotification | OutputRequestID_TKS | Parameter("SheetColumnName") | OutputParameter("oRequestID") |

### Parameters

*SheetColumnName*



This is the name of the data sheet column header that will receive the Request ID value. It does not have to match the output parameter name, though it is preferred.

### Return Values

This keyword returns the Request ID, Journal number or the first number found in the notification message.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to capture the ID in the notification form and save it in the output parameter Request\_ID\_Out and also saving it in the Request\_ID\_Out column in the Datasheet. Then the notification will be approved within the time in seconds provided in the Wait\_Time column of the Datasheet and the status reported to the test results based on the value provided in the Status column of the Datasheet.

|  |                        |  |                             |
|--|------------------------|--|-----------------------------|
|  Generic Notification | OutputRequestID_TKS    | "Request_ID_Out"                           | Parameter("Request_ID_Out") |
|  Generic Notification | ApproveWithTimeout_TKS | Parameter("Wait_Time").Parameter("Status") |                             |

## OutputStatusLineID\_TKS

This keyword will capture an ID from the OracleStatusLine and save it in the data sheet in the column specified by the SheetColumnName.

| Item   | Operation              | Input                        | Output |
|--|------------------------|------------------------------|--------|
|  OracleStatusLine | OutputStatusLineID_TKS | Parameter("SheetColumnName") |        |

### Parameters

*SheetColumnName*





This is the name of the data sheet column header receiving the data. This does not have to match the output parameter name, however in most cases it is preferred that they match.

### Return Values

This keyword returns the ID from the status line.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Schedule form is open within 90 seconds and then the radio button provided in the Run\_the\_Job column of the Datasheet will be selected from the Run the Job... RadioButtonGroup. Then the OK button will be clicked if it is found in the form. Next the ID in the OracleStatusLine will be captured into the output parameter Request\_ID\_Out and saved in the Request\_ID\_Out column of the Datasheet.

|  |                        |                          |                             |
|--|------------------------|--------------------------|-----------------------------|
|  Schedule         | VerifyExists_TKS       |                          |                             |
|  Run the Job...   | Select_TKS             | Parameter("Run_the_Job") |                             |
|  OK               | ClickIfExist_TKS       |                          |                             |
|  OracleStatusLine | OutputStatusLineID_TKS | "Request_ID_Out"         | Parameter("Request_ID_Out") |

## RightClickSelect\_TKS

This keyword will Work with the last form that was opened and will select a menu option via a right-click.

| Item  | Operation            | Input                 | Output |
|---|----------------------|-----------------------|--------|
|  OracleTextField | RightClickSelect_TKS | Parameter("MenuPath") |        |




### Parameters

*MenuPath*

This is the path of the right click menu selection. This will work only with the last form opened.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to select the value from the Ownership column of the Datasheet from the list in the Ownership OracleList and the Property Class EditField will be right clicked and the path provided in the MenuPath column of the Datasheet will be selected. Next the value in the Bought column of the Datasheet will be selected from the list in the Bought OracleList.

|   |                      |                        |
|---|----------------------|------------------------|
|  Ownership       | Select_TKS           | Parameter("Ownership") |
|  Property Class | RightClickSelect_TKS | Parameter("MenuPath")  |
|  Bought        | Select_TKS           | Parameter("Bought")    |

## SaveAttachment

This keyword saves an attachment to the current NON-BPT Test Case.

| Item  | Operation      | Input   | Output |
|---|----------------|---|--------|
|  Operation | SaveAttachment | Parameter("LocalFilePath"),<br>Parameter("FileDescription") |        |

### Parameters

*LocalFilePath*




This is the attachment files local location path.

*FileDescription*

This is the description of the file from the Description field in HP TestDirector.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Account Inquiry form is open within 90 seconds and the value provided in the Currency\_Type column of the Datasheet will be selected from the list in the Currency|Type OracleList. Next the file provided in the File\_Path column of the Datasheet will be saved to the current test case with the description provided in the File\_Description column of the Datasheet.

|   |                  |  |
|---|------------------|--|
|  Account Inquiry | VerifyExists_TKS |  |
|  Currency Type   | Select_TKS       | Parameter("Currency_Type")                           |
|  Operation       | SaveAttachment   | Parameter("File_Path"),Parameter("File_Description") |

## SaveAttachmentToBPTTestRun

This keyword saves an attachment to an HP Quality Center BPT Test Run. This only works for a BPT test during runtime.

| Item   | Operation                  | Input  | Output |
|--|----------------------------|--|--------|
| <br>Operation | SaveAttachmentToBPTTestRun | Parameter("TestRunName"),<br>Parameter("TestName"),<br>Parameter("LocalFilePath"),<br>Parameter("FileDescription") |        |

### Parameters

#### *TestRunName*

This is the name of the test run, returned from the GetBPTRunName keyword.

#### *TestName*

This is the name of the test case, returned from the GetBPTTestName keyword.

#### *LocalFilePath*




This is the path of the file to be attached.

#### *FileDescription*

This is the description for the attachment file in HP Quality Center.

### Example


Here is an example of a component that is using this keyword. The order of the steps are to capture the names of the current test run and test case and save them to the LocalParameters RunName and TestName. Then the file provided in the File\_Path column of the Datasheet will be saved to the Test Run provided from the LocalParameters RunName and TestName with the description provided in the File\_Description column of the Datasheet.

|   |                            |   |                            |
|---|----------------------------|---|----------------------------|
|  Operation | GetBPTRunName              |   | LocalParameter("RunName")  |
|  Operation | GetBPTTestName             |   | LocalParameter("TestName") |
|  Operation | SaveAttachmentToBPTTestRun | LocalParameter("RunName"),LocalParameter("TestName"),Parameter("File_Path"),Parameter("File_Description") |                            |



## SaveAttachmentToTest

This keyword saves an attachment to the specified test.

| Item  | Operation            | Input   | Output |
|---|----------------------|---|--------|
|  Operation | SaveAttachmentToTest | Parameter("TestName"),<br>Parameter("LocalFilePath"),<br>Parameter("FileDescription") |        |

### Parameters

#### *TestName*

This is the name of the test in HP TestDirector.

#### *LocalFilePath*




This is the attachment files local location path.

#### *FileDescription*

This is the description of the file, from the Description field in HP TestDirector.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Account Inquiry form is open within 90 seconds and the value provided in the Currency\_Type column of the Datasheet will be selected from the list in the Currency|Type OracleList. Next the file provided in the File\_Path column of the Datasheet will be saved to the test case provided in the Test\_Name column of the Datasheet with the description provided in the File\_Description column of the Datasheet.

|   |                      |   |
|---|----------------------|---|
|  Account Inquiry | VerifyExists_TKS     |   |
|  Currency Type   | Select_TKS           | Parameter("Currency_Type")  |
|  Operation       | SaveAttachmentToTest | Parameter("Test_Name"),Parameter("File_Path"),Parameter("File_Description") |

## SaveAttachmentToTestObj

This keyword saves a file to a test object in HP Quality Center.

| Item   | Operation               | Input  | Output |
|--|-------------------------|--|--------|
| <br>Operation | SaveAttachmentToTestObj | Parameter("TestObj"),<br>Parameter("LocalFilePath"),<br>Parameter("FileDescription") |        |

### Parameters

#### *TestObj*

This is the test object in HP Quality Center to save the file to.

#### *LocalFilePath*




This is the attachment files local location path.

#### *FileDescription*

This is the description to be shown for the attachment in Quality Center.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Account Inquiry form is open within 90 seconds and the value provided in the Currency\_Type column of the Datasheet will be selected from the list in the Currency|Type OracleList. Next the file provided in the File\_Path column of the Datasheet will be saved to the HP QC test object provided in the Object column of the Datasheet with the description provided in the File\_Description column of the Datasheet.

|   |                         |  |
|---|-------------------------|--|
|  Account Inquiry | VerifyExists_TKS        |  |
|  Currency Type   | Select_TKS              | Parameter("Currency_Type")   |
|  Operation       | SaveAttachmentToTestObj | Parameter("Object"),Parameter("File_Path"),Parameter("File_Description") |

## SelectIfExist\_TKS

This keyword selects a specified item in a list of values only if the specified list exists. If no data value is specified, this step is skipped and execution will continue.

| Item   | Operation         | Input                  | Output |
|--|-------------------|------------------------|--------|
|  OracleListOfValues | SelectIfExist_TKS | Parameter("DataValue") |        |




### Parameters

*DataValue*

This is the item to select from the list of values, if list exists.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Lifes OracleListOfValues field is open in the application and then select the value in the Lifes column of the Datasheet from the Lifes OracleListOfValues field if it exists. Then the value in the Line\_Number column of the Datasheet will be entered into the Line Number EditField.

|   |                   |                          |
|---|-------------------|--------------------------|
|  Lifes        | VerifyExists_TKS  |                          |
|  Lifes       | SelectIfExist_TKS | Parameter("Lifes")       |
|  Line Number | Enter_TKS         | Parameter("Line_Number") |

## SelectItemOutputTableValue\_TKS

This keyword selects a treepath in a cell of a table, then saves the corresponding value in the Datasheet.

| Item  | Operation | Input                          | Output   |
|---|-----------|--------------------------------|--|
|  | Operation | SelectItemOutputTableValue_TKS | Parameter("objTree"),<br>Parameter("objTable"),<br>Parameter("TreePath"),<br>Parameter("RecordNumber"),<br>Parameter("ColumnName"),<br>"SheetColumnName" |

### Parameters

*objTree*

This is the OracleTree object.

*objTable*

This is the OracleTable object.

*TreePath*

This is the path to follow in the tree. Each node in a tree path is separated by "->".

*RecordNumber*

This is the record number of the captured field.

*ColumnName*




This is the column name or index of the captured field.

*SheetColumnName*

This is the name of the column header in the spreadsheet to save the captured value to.

### Example


Here is an example of a component that is using this keyword. The order of the steps are to enter the value from the Invoice\_Number column of the Datasheet into the cell in the row saved in the LocalParameter Record\_Number and InvoiceNumber column of the ADJ\_INV\_PAY table. Then the tree path provided in the Tree\_Path column of the Datasheet will be selected from the cell of the table in the row saved in the LocalParameter Record\_Number and column provided in the Search\_Column column of the Datasheet. The value from the tree will be saved into the Tree\_Value\_Out column of the Datasheet. The tree and table objects for this step are provided in the objTree and objTable parameters. Next the value from the Payment\_Amount column of the Datasheet will be entered into the cell in the row saved in the LocalParameter Record\_Numbe and PaymentAmount column of the ADJ\_INV\_PAY table.

|   |             |                                |   |
|---|-------------|--------------------------------|---|
|  | ADJ_INV_PAY | EnterField_TKS                 | LocalParameter("Record_Number"),InvoiceNumber,Parameter("Invoice_Number")   |
|  | Operation   | SelectItemOutputTableValue_TKS | Parameter("objTree"),Parameter("objTable"),Parameter("Tree_Path"),LocalParameter("Record_Number"),Parameter("Search_Column"),"Tree_Value_Out" |
|  | ADJ_INV_PAY | EnterField_TKS                 | LocalParameter("Record_Number"),"PaymentAmount",Parameter("Payment_Amount")   |



## SelectOption\_TKS

This keyword selects and opens an item in a tree-structured table.

| Item  | Operation        | Input   | Output |
|---|------------------|---|--------|
|  OracleTable | SelectOption_TKS | Parameter("ColumnName"),<br>Parameter("DataValue"),<br>Parameter("objExpandButton") |        |

### Parameters

#### *ColumnName*

This is the column in which to search for the data value.

#### *DataValue*

This is the data value for which to search.

#### *objExpandButton*




This is the button object to press in order to expand selection.

### Return Values

This keyword will return the record number of the selection.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Distributions form is open within 90 seconds and select the More tab. Then the value provided in the Search\_Value will be selected from the tree objects in the column provided in the Search\_Column column of the Datasheet. The button to expand the tree will be clicked if its value is provided in the ExpandButton column of the Datasheet.

|  |                  |  |
|--|------------------|--|
|  Distributions    | VerifyExists_TKS |  |
|  More             | Select_TKS       |  |
|  PO_DISTRIBUTIONS | SelectOption_TKS | Parameter("Search_Column").Parameter("Search_Value").Parameter("ExpandButton") |





## SendStatusToTestResults\_TKS

This keyword will send the status line text to Test Results. The step name in the report is "OracleStatusLine".

| Item   | Operation                   | Input | Output |
|--|-----------------------------|-------|--------|
|  OracleStatusLine | SendStatusToTestResults_TKS |       |        |






### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Schedule form is open within 90 seconds and then the radio button provided in the Run\_the\_Job column of the Datasheet will be selected from the Run the Job... RadioButtonGroup. Then the OK button will be clicked if it is found in the form. Next the status in the OracleStatusLine will be saved in the Test Results.

|  |                             |                          |
|--|-----------------------------|--------------------------|
|  Schedule         | VerifyExists_TKS            |                          |
|  Run the Job...   | Select_TKS                  | Parameter("Run_the_Job") |
|  OK               | ClickIfExist_TKS            |                          |
|  OracleStatusLine | SendStatusToTestResults_TKS |                          |

## SetFocus\_TKS

This keyword optionally sets the focus to the specified object.

| Item   | Operation    | Input   | Output |
|--|--------------|---|--------|
|  OracleCheckBox   | SetFocus_TKS | Parameter("SetFocusStatus"),<br>"ColumnName",<br>LocalParameter("RecordNumber") |        |
|  OracleList       |              |   |        |
|  OracleRadioGroup |              |   |        |
|  OracleTextField  |              |   |        |
|  OracleTable      |              |   |        |

### Parameters

#### *SetFocusStatus*

This is the status of whether or not the focus was set successfully. If the value is not empty and not false/off, the focus will be set to the associated object.

#### *ColumnName*




This is the name of the column in which to set focus.

#### *RecordNumber*




This is the record number in which to set focus.

### Example

Here is an example of a component that is using this keyword. The order of the steps are to enter the value in the Dates\_in\_Service\_To column of the Datasheet into the Dates in Service To EditField. Next the focus will be set to the Show Disabled Groups checkbox if the value in the Focus\_Status column of the Datasheet is True or <ON>. Then the value in the Employee\_Name column of the Datasheet will be entered into the Employee Name EditField.




|  |              |                                  |
|--|--------------|----------------------------------|
|  Dates in Service To  | Enter_TKS    | Parameter("Dates_in_Service_To") |
|  Show Disabled Groups | SetFocus_TKS | Parameter("Focus_Status")        |
|  Employee Name        | Enter_TKS    | Parameter("Employee_Name")       |

Here is an example of a component that is using this keyword. The order of the steps are to click the OK button if it is found in the application and the focus will be set to the Asset Type list if the value in the Focus\_Status column of the Datasheet is set to True or <ON>. Then the value in the Units column of the Datasheet will be entered into the Units EditField.




|  |                  |                           |
|--|------------------|---------------------------|
|  OK         | ClickIfExist_TKS |                           |
|  Asset Type | SetFocus_TKS     | Parameter("Focus_Status") |
|  Units      | Enter_TKS        | Parameter("Units")        |

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Find Key Flexfield Segment form is open within 90 seconds. Then the focus will be set on the Find Values By radio button if the value in the Focus\_Status column of the Datasheet is set to True or <ON>. Next the value in the Application column of the Datasheet will be entered into the Application EditField.







|   |                            |                  |                           |
|---|----------------------------|------------------|---------------------------|
|  | Find Key Flexfield Segm... | VerifyExists_TKS |                           |
|  | Find Values By             | SetFocus_TKS     | Parameter("Focus_Status") |
|  | Application                | Enter_TKS        | Parameter("Application")  |

Here is an example of a component that is using this keyword. The order of the steps are to enter the values in the Description and Tag\_Number columns of the Datasheet into the Description and Tag Number EditFields. Then the focus will be set on the Category EditField if the value in the Focus\_Status column of the Datasheet is set to True or <ON>.


|   |             |              |                           |
|---|-------------|--------------|---------------------------|
|  | Description | Enter_TKS    | Parameter("Description")  |
|  | Tag Number  | Enter_TKS    | Parameter("Tag_Number")   |
|  | Category    | SetFocus_TKS | Parameter("Focus_Status") |

Here is an example of a component that is using this keyword. The order of the steps are to use the AddEditLineOperation\_TKS. This will output a LocalParameter called Record\_Number that is the row in the table to automate. The row will be determined by the values provided in the AddEditLine, Search\_Column and Search\_Value columns in the Datasheet. The next step is an operation called SetOutputParameter\_TKS that will take the LocalParameter Record\_Number and convert it into an output parameter for the component so that it could be used to link another component to this one. Then the focus will be set to the cell determined by the row saved in the LocalParameter Record\_Number and Type column. Next the value in the Batch column of the Datasheet will be entered into the cell in the row saved in the LocalParameter Record\_Number and Batch column.

|   |                    |                          |   |                                 |
|---|--------------------|--------------------------|---|---------------------------------|
|   | ALLOCATION_BATCHES | AddEditLineOperation_TKS | Parameter("AddEditLine"),Parameter("Search_Column"),Parameter("Search_Value") | LocalParameter("Record_Number") |
|  | Operation          | SetOutputParameter_TKS   | LocalParameter("Record_Number")   | Parameter("Record_Number_Out")  |
|  | ALLOCATION_BATCHES | SetFocus_TKS             | LocalParameter("Record_Number"),"Type",Parameter("Type")                      |                                 |
|  | ALLOCATION_BATCHES | EnterField_TKS           | LocalParameter("Record_Number"),"Batch",Parameter("Batch")                    |                                 |

## SetFocusToVisibleJavaObj\_TKS

This keyword sets the focus to an Oracle tables underlying Java object.

| Item  | Operation                    | Input   | Output |
|---|------------------------------|---|--------|
|  OracleTable | SetFocusToVisibleJavaObj_TKS | Parameter("VisibleRow"),<br>Parameter("ColumnName") |        |

### Parameters

*VisibleRow*




This is the visible row to which to set focus. The rows start at the number "1".

*ColumnName*

This is the name or partial name of the Java Object to which to set focus. This is not the Oracle table column name but a partial name of the Java object that is in the column.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the value in the cell in the row saved in the Record\_Number and Type column is equal to the value in the Project\_Type column of the Datasheet. Next the focus will be set to the java object in the cell of the row saved in the Record\_Number and column Hours\_Type. Then the value in the cell of the row saved in the Record\_Number and column Hours Type will be compared to the value in the Hours\_Type column of the Datasheet to verify that they are equal.

|   |                             |  |
|---|-----------------------------|--|
|  TIMECARD_INFO | VerifyField_TKS             | LocalParameter("Record_Number"),"Type",Parameter("Project_Type")     |
|  TIMECARD_INFO | SetFocusToVisibleJavaObj... | LocalParameter("Record_Number"),"Hours_Type"                         |
|  TIMECARD_INFO | VerifyField_TKS             | LocalParameter("Record_Number"),"Hours Type",Parameter("Hours_Type") |

## SetInputParameter\_TKS

This keyword sets data to a specified input parameter of the component.

| Item   | Operation             | Input   | Output |
|--|-----------------------|---|--------|
| <br>Operation | SetInputParameter_TKS | Parameter("ParameterName"),<br>Parameter("DataValue") |        |

### Parameters

*ParameterName*




This is the name of the input parameter to which data is passed.

*DataValue*

This is the value to pass to the input parameter.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Account Inquiry form is open within 90 seconds. Then the value of the Currenct\_Type input parameter will be set to the value provided in the Value column of the data. Next the value provided in the Currency\_Type column of the Datasheet will be selected from the list in the Currency|Type OracleList.

|   |                       |                                    |
|---|-----------------------|------------------------------------|
|  Account Inquiry | VerifyExists_TKS      |                                    |
|  Operation       | SetInputParameter_TKS | "Currency_Type",Parameter("Value") |
|  Currency Type   | Select_TKS            | Parameter("Currency_Type")         |

## SetOutputParameter\_TKS

This keyword passes data to the output parameter of the component.

| Item  | Operation              | Input                  | Output |
|---|------------------------|------------------------|--------|
|  Operation | SetOutputParameter_TKS | Parameter("DataValue") |        |

### Parameters

*DataValue*





This is the value to be passed to the output parameter.

### Return Values

This keyword returns the value to be passed to the output parameter.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to load the data from the Datasheet and verify that the AutoAllocation Workbench form is open within 90 seconds. The next step is to use the AddEditLineOperation\_TKS. This will output a LocalParameter called Record\_Number that is the row in the table to automate. The row will be determined by the values provided by the user in the Datasheet. The next step is an operation called SetOutputParameter\_TKS that will take the LocalParameter Record\_Number and convert it into an output parameter for the component so that it could be used to link another component to this one.

|  |                          |   |                                 |
|--|--------------------------|---|---------------------------------|
|  Operation                | LoadData                 |   |                                 |
|  AutoAllocation Workbench | VerifyExists_TKS         |   |                                 |
|  ALLOCATION_BATCHES       | AddEditLineOperation_TKS | Parameter("AddEditLine"),Parameter("Search_Column"),Parameter("Search_Value") | LocalParameter("Record_Number") |
|  Operation                | SetOutputParameter_TKS   | LocalParameter("Record_Number")   | Parameter("Record_Number_Out")  |

## SetStringIf

This keyword compares two values using an operator to determine if one is greater than the other or if they are equal. A specified string will be returned depending on the outcome of the comparison.

| Item  | Operation   | Input   | Output |
|---|-------------|---|--------|
|  Operation | SetStringIf | Parameter("firstValue"),<br>Parameter("operator"),<br>Parameter("secondValue"),<br>Parameter("strTrue"),<br>Parameter("strFalse") |        |

### Parameters

*firstValue*

This is the first value to compare.

*operator*

This is the comparison operator: "<" Less Than, ">" Greater Than, "<=" Less Than Or Equal To, ">=" Greater Than Or Equal To, "=" Equal To, "<>" Not Equal To

*secondValue*

This is the second value being compared.

*strTrue*




This is the String to return if the comparison is true.

*strFalse*

This is the String to return if the comparison is false.


### Example

Here is an example of a component that is using this keyword. The order of the steps are as follows: the value in the Payment Amount EditField will be compared to the value in the Payment\_Amount column of the Datasheet to verify that they are equal. The value from the EditField will also be saved into the LocalParameter oPayment\_Amount. Next the value in the Total EditField will be compared to the value in the Total column of the Datasheet to verify that they are equal. The value from the EditField will also be saved into the LocalParameter oTotal. Next the two LocalParameters will be compared based on the value provided in the Operator column of the Datasheet. The Test Results step for this comparison will have the name provided in the StepName column of the Datasheet. If the comparison is true, the value in the True\_String column of the Datasheet will be returned. If the comparison is false, the value in the False\_String column of the Datasheet will be returned.

|  |             |   |                                   |
|--|-------------|---|-----------------------------------|
|  Payment Amount | Verify_TKS  | Parameter("Payment_Amount")   | LocalParameter("oPayment_Amount") |
|  Total          | Verify_TKS  | Parameter("Total")  | LocalParameter("oTotal")          |
|  Operation      | SetStringIf | LocalParameter("oPayment_Amount"),Parameter("Operator"),LocalParameter("oTotal"),Parameter("True_String"),Parameter("False_String") |                                   |

## SetTabLabel\_TKS

This keyword sets the label of a tab to the specified value.

| Item   | Operation       | Input                 | Output |
|--|-----------------|-----------------------|--------|
|  OracleTabbedRegion | SetTabLabel_TKS | Parameter("TabLabel") |        |




### Parameters

*TabLabel*

This is the label to be given to the OracleTabbedRegion Test Object









### Example


Here is an example of a component that is using this keyword. The order of the steps are to verify that the Distributions form is open within 90 seconds and sets the value of the More Tab to the value provided in the Tab\_Label column of the Datasheet. Then the AddEditLine step will determine what row to work with in the PO\_DISTRIBUTIONS table based on the values provided in the AddEditLine, Search\_Column, and Search\_Value columns of the Datasheet.

|  |                          |   |                                 |
|--|--------------------------|---|---------------------------------|
|  Distributions     | VerifyExists_TKS         |   |                                 |
|  More              | SetTabLabel_TKS          | Parameter("Tab_Label")  |                                 |
|  PO_DISTRIBUTIONS | AddEditLineOperation_TKS | Parameter("AddEditLine"),Parameter("Search_Column"),Parameter("Search_Value") | LocalParameter("Record_Number") |

## SetToParameter\_TKS

This keyword sets a test object to a Local Parameter. If working with Scripted components, use the Set vbs command.

| Item   | Operation          | Input | Output                   |
|--|--------------------|-------|--------------------------|
|  OracleCheckBox     | SetToParameter_TKS |       | LocalParameter("Object") |
|  OracleFlexWindow   |                    |       |                          |
|  OracleFormWindow   |                    |       |                          |
|  OracleList         |                    |       |                          |
|  OracleRadioGroup   |                    |       |                          |
|  OracleTabbedRegion |                    |       |                          |
|  OracleTable        |                    |       |                          |
|  OracleTextField    |                    |       |                          |

| Item   | Operation          | Input                      | Output |
|--|--------------------|----------------------------|--------|
|  OracleTree | SetToParameter_TKS | "Prop", Parameter("Value") |        |

### Parameters

*Prop*




This is the property of the object to change

*Value*




This is the value to set the property to.

### Example




Here is an example of a component that is using this keyword. The order of the steps are to enter the value in the Lessor column of the Datasheet into the Lessor EditField and then set the value of the In Use checkbox to a LocalParameter In\_Use for use later in the component. Next the In Physical Inventory checkbox will be checked or unchecked based on the value in the In\_Physical\_Inventory column of the Datasheet.

|   |                    |                                    |                          |
|---|--------------------|------------------------------------|--------------------------|
|  Lessor                | Enter_TKS          | Parameter("Lessor")                |                          |
|  In Use                | SetToParameter_TKS |                                    | LocalParameter("In_Use") |
|  In Physical Inventory | Select_TKS         | Parameter("In_Physical_Inventory") |                          |




Here is an example of a component that is using this keyword. The order of the steps are to open the Asset Key Flexfield window from the Asset Key EditField. Then the Asset Key Flexfield will be set to the LocalParameter Asset\_Key\_Flexfield\_Out for use later in the component. Next the value in the Asset\_Key\_Project\_Number column of the Datasheet will be entered into the Project Number EditField if it exists.

|   |                         |                                       |   |
|---|-------------------------|---------------------------------------|---|
|  Asset Key           | OpenDialogIfNotOpen_TKS | "Asset Key Flexfield"                 |   |
|  Asset Key Flexfield | SetToParameter_TKS      |                                       | LocalParameter("Asset_Key_Flexfield_Out") |
|  Project Number      | EnterIfExist_TKS        | Parameter("Asset_Key_Project_Number") |   |




Here is an example of a component that is using this keyword. The order of the steps are to check or uncheck the New Category and Description checkbox based on the value in the New\_Category\_and\_Description column in the Datasheet. Then the Add to Asset form will be saved as the LocalParameter Add\_to\_Asset. Next the button provided in the Button\_Label column of the Datasheet will be clicked.

|  |                     |   |                                |
|--|---------------------|---|--------------------------------|
|  New Category and Description | Select_TKS          | Parameter("New_Category_and_Description") |                                |
|  Add to Asset                 | SetToParameter_TKS  |   | LocalParameter("Add_to_Asset") |
|  Add to Asset                 | ClickButtonText_TKS | Parameter("Button_Label")                 |                                |




Here is an example of a component that is using this keyword. The order of the steps are to click the OK button if it is found in the application and the value of the Asset Type list will be saved as a LocalParameter Asset\_Type\_Out for use later in the component. Next the value in the Units column of the Datasheet will be entered into the Units EditField.

|  |                    |                    |                                  |
|--|--------------------|--------------------|----------------------------------|
|  OK         | ClickIfExist_TKS   |                    |                                  |
|  Asset Type | SetToParameter_TKS |                    | LocalParameter("Asset_Type_Out") |
|  Units      | Enter_TKS          | Parameter("Units") |                                  |




Here is an example of a component that is using this keyword. The order of the steps are to verify that the Find Key Flexfield Segment form is open within 90 seconds. Then the radio button that is selected in the Find Values By RadioButtonGroup will be set to a LocalParameter Find\_Values\_by\_Out for use later in the component. Then the value in the Application column of the Datasheet will be entered into the Application EditField.

|  |                    |                          |                                      |
|--|--------------------|--------------------------|--------------------------------------|
|  Find Key Flexfield Segm... | VerifyExists_TKS   |                          |                                      |
|  Find Values By            | SetToParameter_TKS |                          | LocalParameter("Find_Values_by_Out") |
|  Application              | Enter_TKS          | Parameter("Application") |                                      |




Here is an example of a component that is using this keyword. The order of the steps are to load the data from the Datasheet and verify that the Distributions form is open within 90 seconds. The the More Tab will be set to a LocalParameter More\_Tab for use later in the component.

|   |                    |  |                            |
|---|--------------------|--|----------------------------|
|  Operation     | LoadData           |  |                            |
|  Distributions | VerifyExists_TKS   |  |                            |
|  More          | SetToParameter_TKS |  | LocalParameter("More_Tab") |

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Distributions form is open within 90 seconds and select the More tab. Then the PO\_DISTRIBUTIONS table will be set to the LocalParameter PO\_DISTRIBUTIONS for use later in the component.

|  |                    |  |                                    |
|--|--------------------|--|------------------------------------|
|  Distributions    | VerifyExists_TKS   |  |                                    |
|  More             | Select_TKS         |  |                                    |
|  PO_DISTRIBUTIONS | SetToParameter_TKS |  | LocalParameter("PO_DISTRIBUTIONS") |


Here is an example of a component that is using this keyword. The order of the steps are to enter the value in the Lease\_Number\_Description column of the Datasheet into the Lease Number Description EditField. Then the Lessor EditField will be saved as the LocalParameter Lessor. Next the In Use checkbox will be checked or unchecked based on the value in the In\_Use column of the Datasheet.

|  |                    |                                       |                          |
|--|--------------------|---------------------------------------|--------------------------|
|  Lease Number Description | Enter_TKS          | Parameter("Lease_Number_Description") |                          |
|  Lessor                   | SetToParameter_TKS |                                       | LocalParameter("Lessor") |
|  In Use                   | Select_TKS         | Parameter("In_Use")                   |                          |



## ShowOptions\_TKS

This keyword searches a tree-structured table.

| Item  | Operation       | Input   | Output |
|---|-----------------|---|--------|
|  OracleTable | ShowOptions_TKS | Parameter("ColumnName"),<br>Parameter("DataValue"),<br>Parameter("objExpandButton") |        |

### Parameters

#### *ColumnName*

This is the name of the column in which the searched-for data value resides.

#### *DataValue*




This is the searched-for data value.

#### *objExpandButton*

This is the button object to press in order to expand selection.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Distributions form is open within 90 seconds and select the More tab. Then the tree structure in the Displayed Rate column will be expanded and the value provided in the Displayed\_Rate column of the Datasheet will be searched for.

|   |                  |                  |   |
|---|------------------|------------------|---|
|  | Distributions    | VerifyExists_TKS |   |
|  | More             | Select_TKS       |   |
|  | PO_DISTRIBUTIONS | ShowOptions_TKS  | "Displayed Rate",Parameter("Displayed_Rate"),"Expand" |

## TabToDialogIfNotOpen\_TKS

This keyword opens a dialog window for a cell in a table if the dialog is not already open by tabbing from an adjacent column. This is most commonly used to open Oracle Flex Fields from a table.

| Item  | Operation              | Input   | Output |
|---|------------------------|---|--------|
|  OracleTable | TabDialogIfNotOpen_TKS | LocalParameter("Record_Number"),<br>"ColumnNameToTabFrom",<br>"DialogTitle" |        |

### Parameters

#### *RecordNumber*

This is the record number of the dialog window that is to be opened.

#### *ColumnNameToTabFrom*

This is the column from which to tab for the dialog window to be opened.

#### *DialogTitle*

This is the title of the dialog window to be opened.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to tab to the PO Distributions FlexField from the [ ] column in the row saved in the Record\_Number of the PO\_DISTRIBUTIONS table and then verify that the PO Distributions FlexField is open. Then the value in the Context column of the Datasheet will be compared to the value in the Context EditField to verify that they are equal.

|  |                          |  |
|--|--------------------------|--|
|  PO_DISTRIBUTIONS | TabToDialogIfNotOpen_TKS | LocalParameter("Record_Number"), "[ ]", "PO Distributions" |
|  PO Distributions | VerifyExists_TKS         |  |
|  Context          | Verify_TKS               | Parameter("Context")                                       |

## TotalColumnSum\_TKS

This keyword calculates the sum of all the values in a specified column.

| Item  | Operation         | Input        | Output |
|---|-------------------|--------------|--------|
|  OracleTable | GetFieldValue_TKS | "ColumnName" |        |

### Parameters

*ColumnName*




This is the column to gather the sum from in the table.

### Return Values

This keyword will return the sum of all the values in a column.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the value in the Charge\_Account column of the Datasheet matches the value in the cell in the row saved in Record\_Number and the Charge Account column of the PO\_SHIPMENTS table. Then the total sum in the Amount column will be calculated. Next the value in the Reserved column of the Datasheet will be entered into the row saved in Record\_Number and the Reserved column of the PO\_SHIPMENTS table.

|  |                    |  |
|--|--------------------|--|
|  PO_SHIPMENTS | VerifyField_TKS    | LocalParameter("Record_Number"), "Charge Account", Parameter("Charge_Account") |
|  PO_SHIPMENTS | TotalColumnSum_TKS | "Amount"   |
|  PO_SHIPMENTS | EnterField_TKS     | LocalParameter("Record_Number"), "Reserved", Parameter("Reserved")             |

## TriageReport

This keyword is used to report a step during execution and the details about it in ALM test results.

| Item  | Operation    | Input   | Output |
|---|--------------|---|--------|
|  Operation | TriageReport | Parameter("micStatus"),<br>Parameter("reportStepName"),<br>Parameter("Details"),<br>Parameter("Object") |        |

### Parameters

*micStatus*

The status of reporting i.e. micPass/micFail/micWarning/micDone

*reportStepName*

The step name to be seen in reports such as "Button Click"

*Details*

Detailed description of the executed step.

*Object*


An optional argument to input the object under execution

### Return Values

N/A



### Example

Here is an example of a component that is using this keyword. An Operation "TriageReport" as a step is present in the business component. The keyword will report the steps based on the parameters provided for micStatus, reportStepName and Details. Parameter Object is optional.

```
|  Operation | TriageReport | Parameter("micStatus"),Parameter("reportStepname"),Parameter("Details"),Parameter("Object")
```

## VerifyDate\_TKS

This keyword verifies whether or not the date in a text field is the same day as the specified expected results.

| Item  | Operation      | Input   | Output |
|---|----------------|---|--------|
|  OracleTextField | VerifyDate_TKS | Parameter("DataValue"),                         |        |
|  OracleTable     |                | LocalParameter("RecordNumber"),<br>"ColumnName" |        |

### Parameters

#### *DataValue*

This is the date to verify in the text field. It must be in the correct Oracle date format.

#### *RecordNumber*

This is the record number (row) of the captured field with the date to be verified.

#### *ColumnName*


This is the column name or index of the captured field with the date to be verified.

### Return Values





This keyword returns a value of True or False based on whether the actual and the expected dates match.

### Example

Here is an example of a component that is using this keyword. The order of the steps are to enter the values in the Book and Group\_Asset columns of the Datasheet into the Book and Group Asset EditFields. Then the date in the Dates in Service From will be compared to the value in the Dates\_in\_Service\_From column of the Datasheet to verify that they are equal.


|   |                |                                    |
|---|----------------|------------------------------------|
|  Book                  | Enter_TKS      | Parameter("Book")                  |
|  Group Asset           | Enter_TKS      | Parameter("Group_Asset")           |
|  Dates in Service From | VerifyDate_TKS | Parameter("Dates_in_Service_From") |

Here is an example of a component that is using this keyword. The order of the steps are to verify that the AutoAllocation Workbench form has opened in the Datasheet. The next step is to use the AddEditLineOperation\_TKS. This will output a LocalParameter called Record\_Number that is the row in the table to automate. The row will be determined by the values provided by the user in the Datasheet. The next step is an operation called SetOutputParameter\_TKS that will take the LocalParameter Record\_Number and convert it into an output parameter for the component so that it could be used to link another component to this one. Then the date in the cell determined by the row saved into the LocalParameter Record\_Number and Date column will be compared to the value in the Date column of the Datasheet to verify that they are equal.

|  |                          |   |                                 |
|--|--------------------------|---|---------------------------------|
|  AutoAllocation Workbench | VerifyExists_TKS         |   |                                 |
|  ALLOCATION_BATCHES       | AddEditLineOperation_TKS | Parameter("AddEditLine"),Parameter("Search_Column"),Parameter("Search_Value") | LocalParameter("Record_Number") |
|  Operation                | SetOutputParameter_TKS   | LocalParameter("Record_Number")   | Parameter("Record_Number_Out")  |
|  ALLOCATION_BATCHES       | VerifyDate_TKS           | LocalParameter("Record_Number"),"Date",Parameter("Date")                      |                                 |


## VerifyDefault\_TKS

This keyword checks to see if a text field has a default value. It is used with generic test objects to change their identifying properties at runtime.

| Item  | Operation         | Input | Output |
|---|-------------------|-------|--------|
|  OracleTextField | VerifyDefault_TKS |       |        |


### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that the Asset Details form is open and then verify that there is a default value in the Asset Number EditField. Next the value in the Description column of the Datasheet will be entered into the Description EditField.

|   |                   |                          |
|---|-------------------|--------------------------|
|  Asset Details | VerifyExists_TKS  |                          |
|  Asset Number  | VerifyDefault_TKS |                          |
|  Description   | Enter_TKS         | Parameter("Description") |

## VerifyDefaultSelect\_TKS

This keyword sets a specific checkbox to on or off per the data sheet specifications (ON/OFF). If the checkbox is enabled, this step will first check to see if that is the checkbox default setting. If no data value is specified, this step will be skipped and execution will continue.

| Item   | Operation               | Input                       | Output |
|--|-------------------------|-----------------------------|--------|
|  OracleCheckbox | VerifyDefaultSelect_TKS | Parameter("checkboxstatus") |        |





### Parameters

*checkboxstatus*

This is the status to set the checkbox to and is typically a component parameter with the value being taken from the Datasheet at runtime. If the value is set to <ON>, the checkbox will be checked. If the value is set to <OFF>, the checkbox will be unchecked.


### Example

Here is an example of a component that is using this keyword. The order of the steps are to enter the value in the Dates\_in\_Service\_To column of the Datasheet into the Dates in Service To EditField and then check to see if the Show Disabled Groups checkbox has a default value. Then the checkbox will be checked or unchecked based on the value in the Show\_Disabled\_Groups column of the Datasheet. Next the value in the Employee\_Name column of the Datasheet will be entered into the Employee Name EditField.

|  |                         |                                   |
|--|-------------------------|-----------------------------------|
|  Dates in Service To  | Enter_TKS               | Parameter("Dates_in_Service_To")  |
|   Show Disabled Groups | VerifyDefaultSelect_TKS | Parameter("Show_Disabled_Groups") |
|  Employee Name  | Enter_TKS               | Parameter("Employee_Name")        |

## VerifyGreaterOrLess\_TKS

This keyword verifies if a text field is greater or less than a specified numeric value.

| Item  | Operation               | Input   | Output |
|---|-------------------------|---|--------|
|  OracleTextField | VerifyGreaterOrLess_TKS | Parameter("operator"),<br>Parameter("numericvalue") |        |

### Parameters

*operator*

This is the comparison operator (" $<$ " for Less than, " $<=$ " for Less than or equal to, " $>$ " for Greater than, " $>=$ " for Greater than or equal to)

*numericvalue*

This is the value to which to compare the TextField object value.

### Example


Here is an example of a component that is using this keyword. The order of the steps are to verify that the Asset Details form is open within 90 seconds and then compare the value in the Asset Number EditField against the value provided in the Asset\_Number column of the Datasheet. The comparison will be based on the operator provided in the Operator column of the Datasheet. Next the value in the Description column of the Datasheet will be entered into the Description EditField.

|   |               |                         |   |
|---|---------------|-------------------------|---|
|  | Asset Details | VerifyExists_TKS        |   |
|  | Asset Number  | VerifyGreaterOrLess_TKS | Parameter("Operator"),Parameter("Asset_Number") |
|  | Description   | Enter_TKS               | Parameter("Description")                        |



## VerifyTableDefault\_TKS

This keyword checks to see if a specified table field has a default value.

| Item  | Operation              | Input  | Output |
|---|------------------------|--|--------|
|  OracleTable | VerifyTableDefault_TKS | LocalParameter("Record_Number"),<br>"ColumnName" |        |

### Parameters

*RecordNumber*




This is the record number (row) of the cell to verify.

*ColumnName*

This is the column name or index of the cell to verify.




### Example

Here is an example of a component that is using this keyword. The order of the steps are to verify that there is a default value in the cell in the row saved in the Record\_Number and column Num. Then the values in the Org and Ship\_To columns of the Datasheet will be entered into the cells in the row saved in teh Record\_Number and the Org and Ship-To columns of the PO\_DISTRIBUTIONS table.

|  |                        |  |
|--|------------------------|--|
|  PD_SHIPMENTS | VerifyTableDefault_TKS | LocalParameter("Record_Number"), "Num"                           |
|  PD_SHIPMENTS | EnterField_TKS         | LocalParameter("Record_Number"), "Org", Parameter("Org")         |
|  PD_SHIPMENTS | EnterField_TKS         | LocalParameter("Record_Number"), "Ship-To", Parameter("Ship_To") |

## WaitForWindow\_TKS

This keyword verifies that a specified Oracle window or OracleFlexWindow opens within a specified time.

| Item   | Operation         | Input                 | Output |
|--|-------------------|-----------------------|--------|
|  JavaWindow         |                   |                       |        |
|  OracleFormWindow   |                   |                       |        |
|  OracleNotification | WaitForWindow_TKS | Parameter("waitTime") |        |

### Parameters

*waitTime*



This is the time, in seconds, to wait for an Oracle window to open.

### Return Values




This keyword returns a pass or fail value in the results.

### Example




Here is an example of a component that is using this keyword. The order of the steps are to wait for the number of seconds provided in the Wait\_Time column of the Datasheet for the Oracle Applications JavaWindow to open. Then the value in the Period column of the Datasheet will be entered into the Period JavaEdit field.

|   |                   |                        |
|---|-------------------|------------------------|
|  Oracle Applications - | WaitForWindow_TKS | Parameter("Wait_Time") |
|  Period                | Set_TKS           | Parameter("Period")    |

Here is an example of a component that is using this keyword. The order of the steps are to check or uncheck the Amortize Adjustment and New Category and Description checkbox based on the values provided in the Amortize\_Adjustment and New\_Category\_and\_Description columns of the Datasheet. Then the application will wait for the Add to Asset form to be open for the number of seconds that are provided in the Wait\_Time column of the Datasheet.

|  |                   |   |
|--|-------------------|---|
|  Amortize Adjustment          | Select_TKS        | Parameter("Amortize_Adjustment")          |
|  New Category and Description | Select_TKS        | Parameter("New_Category_and_Description") |
|  Add to Asset                 | WaitForWindow_TKS | Parameter("Wait_Time")                    |

Here is an example of a component that is using this keyword. The order of the steps are to load the data from the Datasheet and wait for a notification form to open within the number of seconds provided in the Wait\_Time column of the Datasheet. Next the notification will be approved and the status reported to the test results based on the value provided in the Status column of the Datasheet.

|  |                   |                        |
|--|-------------------|------------------------|
|  Operation            | LoadData          |                        |
|  Generic Notification | WaitForWindow_TKS | Parameter("Wait_Time") |
|  Generic Notification | Approve_TKS       | Parameter("Status")    |