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# TestStand Help

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# ATML Test Results Reports

The [ATML](#) Test Results and Session Information schema provides the definition for the data collected when you execute a test or tests of a UUT using test procedures in an automated test environment, including the measured values, pass/fail results, and accompanying data, such as test operator, station information, environmental conditions, and so on. ATML Test Results is a component standard of IEEE 1636 Software Interface for Maintenance Information Collection Analysis (SIMICA).

TestStand generates XML reports that validate against the following [versions](#) of the Test Results and Session Information schema the ATML standard defines:

- Approved version 6.01
- Unapproved version 5.0
- Approved version 2.02

Use the **Report Format** ring control on the [Contents](#) tab of the [Report Options](#) dialog box to select the version you want to use.

The `<TestStand>\Components\Models\TestStandModels\ATML\Schema` directory contains copies of versions 6.01, 5.0, and 2.02 of the schema.



**Note** No plans exist to approve version 5.0 of the ATML Test Results and Session Information schema.

You can [customize an ATML report](#) TestStand creates by implementing a DLL that calls one or more [exported extension functions](#).

## Known Issues with ATML Report Generators

- When a step containing limits has a run mode set to force failure, TestStand does not evaluate the comparator for the limits. This results in an empty comparator attribute value in the generated report XML, which may cause schema validation errors.

- ATML 2 does not support using an EqualityComparisonOperator attribute that is case sensitive. Therefore, ATML 2 reports always display IgnoreCase regardless of which comparison type you select in a String Value Test step.
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## See Also

ATML website

[Choosing the Appropriate Report Generation Strategy](#)

[Comparing Report Format Features](#)

## ATML

Automatic Test Markup Language (ATML) is an emerging standard in military and aerospace industries for sharing data among different components of a test system. ATML supports test program, test asset, and unit under test (UUT) interoperability within an automatic test environment. ATML accomplishes this through a standard XML schema for exchanging UUT test and diagnostic information among components of the test system.

ATML specifies standards for test environments that encompass the total product life cycle and defines an integrated set of test-related information that supports the information needs of test environments for testing applications.

ATML standards focus on the following areas:

- Diagnostics
- Instrument Description
- Test Adapter
- Test Configuration
- Test Description
- [Test Results and Session Information](#)
- Test Station
- UUT Description

## Purpose

ATML is intended to accomplish the following objectives:

- Facilitate the communication, sharing, and reuse of product design and test information for the purpose of testing the product.
- Facilitate test program set (TPS) portability and interoperability.
- Facilitate instrument interchangeability.
- Facilitate the development, integration, and use of test software and test software development tools.
- Support the application of integrated diagnostics.
- Support modular software architectures based on a framework that supports reusable software products.

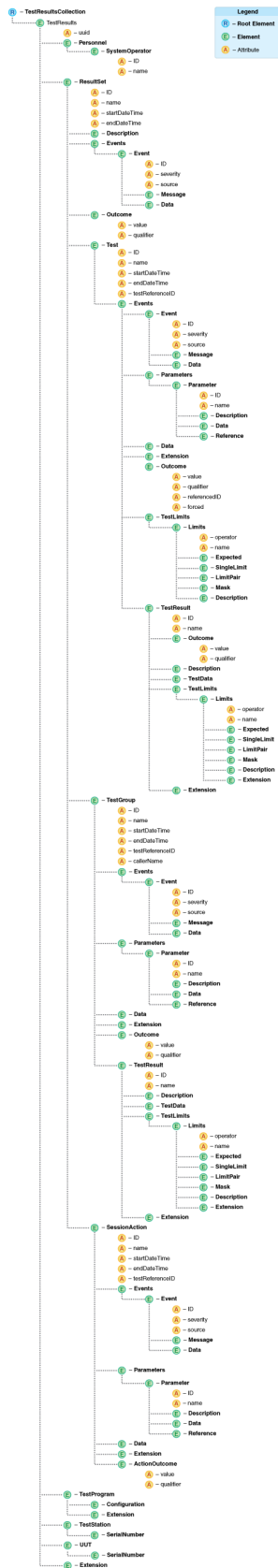
Refer to the ATML website for more information about ATML.

## ATML Test Results 6.01 and 5.0 Report Structure

The TestStand process models use the ATML Test Results (TR) report generator, `ATMLSupport.dll`, located in the `<TestStand>\Components\Models\TestStandModels` directory, to generate a valid ATML TR report format from TestStand variables. The process models call the following functions the report generator implements and exports:

- `Get_Atml_Report`—Generates a valid XML report in TR format.
- `GenerateUUID`—Generates a universally unique identifier (UUID) for the TR report document, which the `uuid` attribute of the `<TestResults>` TR element references.

The TR report generator generates the following XML structure for an ATML TR 6.01 and 5.0 report:





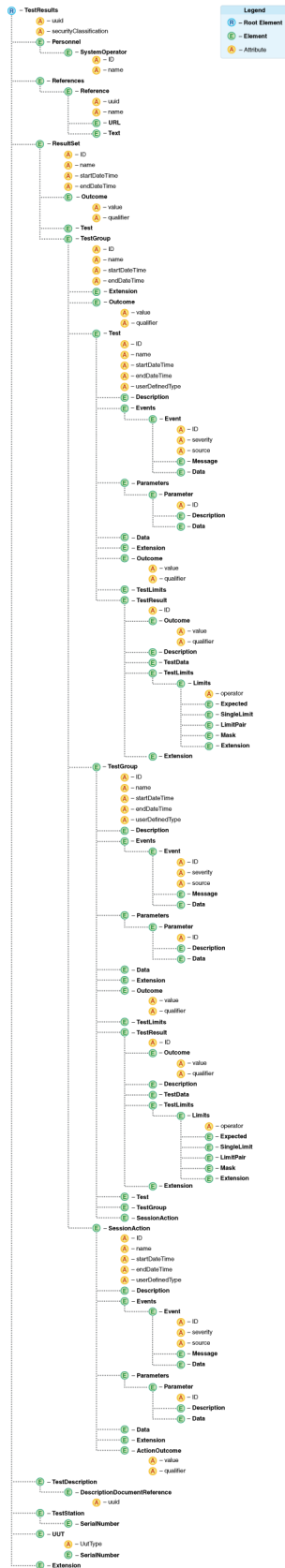
**Note** The previous figure represents only the elements and attributes TestStand supports.

## ATML Test Results 2.02 Report Structure

The TestStand process models use the ATML Test Results (TR) report generator, `ATMLSupport.dll`, located in the `<TestStand>\Components\Models\TestStandModels` directory, to generate a valid ATML TR report format from TestStand variables. The process models call the following functions the report generator implements and exports:

- `Get_Atml_Report`—Generates a valid XML report in TR format.
- `GenerateUUID`—Generates a universally unique identifier (UUID) for the TR report document, which the `uuid` attribute of the `<TestResults>` TR element references.

The TR report generator generates the following XML structure for an ATML TR 2.02 report:







**Note** The previous figure represents only the elements and attributes TestStand supports.

## ATML Report Style Sheets

Apply a style sheet to an ATML report to specify how a web browser or external viewer application displays the ATML content. Use the **Style Sheet** control on the [Contents](#) tab of the [Report Options](#) dialog box to select the style sheet to apply to an ATML report. You can select a different style sheet depending on the version of the [ATML Test Results and Session Information](#) schema against which the report validates.

### ATML Test Results 6.01 Reports Style Sheets

TestStand provides the following style sheets, located in the `<TestStand>\Components\Models\TestStandModels\ATML\StyleSheets` directory, for generating an ATML Test Results 6.01 report. You can [customize the style sheets](#) directly.

- **TR6\_Expand.xsl**—Displays reports similar to `TR6_report.xsl`, with expandable and collapsible sections for each step or for the entire report.
- **TR6\_Horizontal.xsl**—Displays reports in a horizontal, tabular, indented format with data for each step in one or more rows.
- **TR6\_report.xsl**—Displays reports in a vertical, tabular, indented format with data for each step in multiple rows. Customizable, color-coded rows visually separate relevant information, such as step group, status, and so on.

### ATML Test Results 5.0 Reports Style Sheets

TestStand provides the following style sheets, located in the `<TestStand>\Components\Models\TestStandModels\ATML\StyleSheets` directory, for generating an ATML Test Results 5.0 report. You can [customize the style sheets](#) directly.

- **TR5\_Expand.xsl**—Displays reports similar to `TR5_report.xsl`, with expandable and collapsible sections for each step or for the entire report.

- **TR5\_Horizontal.xsl**—Displays reports in a horizontal, tabular, indented format with data for each step in one or more rows.
- **TR5\_report.xsl**—Displays reports in a vertical, tabular, indented format with data for each step in multiple rows. Customizable, color-coded rows visually separate relevant information, such as step group, status, and so on.

## ATML Test Results 2.02 Reports Style Sheets

TestStand provides the following style sheet, located in the `<TestStand>\Components\Models\TestStandModels\ATML\StyleSheets` directory, for generating an ATML Test Results 2.02 report. You can [customize the style sheet](#) directly.

- **TR\_horizontal.xsl**—Displays reports in a concise tabular format with expand and collapse sections. The `TR_horizontal.xsl` style sheet merges the functionality of the `horizontal.xsl` and `expand.xsl` [XML report style sheets](#) and displays TestStand [PropertyObject attributes](#) for parameters and [additional results](#) in the report.

## Customizing ATML Test Results 6.01 or 5.0 Report Style Sheets

You can use a text editor to customize a [style sheet](#) you can use for a report that validates against version 6.01 or 5.0 of the [ATML Test Results and Session Information](#) schema in the following ways:

- Add [columns and rows](#) to reports
- Add [images and text](#) to headers and footers
- Add [step results](#) to reports without indentation
- Add [Sequence Call step results](#) to reports without indentation
- Change the [display format](#) of execution time
- Customize the [UUT Report header](#)
- Modify [table cell background color](#) based on step status
- Render [HTML elements and new line characters](#) in reports



**Note** Copy the existing style sheets and all support files from the `<TestStand>\Compon`

ents\Models\TestStandModels\ATML\StyleSheets directory to the [<TestStand Public>](#)\Components\Models\TestStandModels\ATML\StyleSheets directory and make changes to the copies of the files. When you change the name of a style sheet, use the [Contents](#) tab of the [Report Options](#) dialog box to use the new style sheet when generating ATML reports.

## Adding Columns and Rows to an ATML Test Results 6.01 or 5.0 Report

Before you add extra information to a report, confirm that other XSL templates do not already add to the report the result information you want to include.

### TR6\_Horizontal.xsl or TR5\_Horizontal.xsl

To add custom columns to reports using the `TR6_Horizontal.xsl` or `TR5_Horizontal.xsl` file, you must modify the XSL templates to add a column and then add data to the new column. Complete the following steps to add an extra StepID column to the right side of the report table using the `TR6_Horizontal.xsl` or `TR5_Horizontal.xsl` file. You can also copy and add the following code for each new column you want to add.

1. Open the `.xsl` file you want to change.
2. Search for the `<!-- Customization variables-->` comment.
3. Search for the `gNumExtraColumnsToAdd` variable and increment the value of the `gNumExtraColumnsToAdd` variable by the number of columns you want to add. The initial value is 0. For example, to add one extra column, replace the 0 value with 1, which results in the following line of code:

```
<xsl:variable name="gNumExtraColumnsToAdd" select="1"/>
```

4. Search for the `CREATE_EXTRA_COLUMNS` comment and uncomment the following code:  

```
<td rowspan="2" valign="bottom" style="text-align:center;" width="10%">
<b>StepID</b>
```

</td>

5. Search for each of three instances of the `ADD_COLUMN_DATA_1` comment and uncomment the following code for each instance:

```
<td><xsl:value-of select="@testReferenceID"/></td>
```

The expression "`@testReferenceID`" specifies the XPath expression to obtain the `testReferenceID` from the XML file. You must customize this XPath expression to match the data you want to add to the additional columns.

Refer to the [W3Schools website](#) for more information on XPath. Refer to [ATML Test Results 6.01 and 5.0 Report Structure](#) for the XML object structure.

The following figure shows a modified report with a `StepID` column added for [Sequence Call](#) steps using the `TR6_Horizontal.xml` or `TR5_Horizontal.xml` file.

Begin Sequence: MainSequence  
(C:\Customization\Computer Motherboard Test Sequence.seq)

Step	Status	Measurement	Units	Limits			StepID
				Low Limit	High Limit	Comparison Type	
Simulation Dialog	Done						ID#:EsMLWcS4R0S9I0u0XWrPUC
Turn Vacuum Table On	Done						ID#:JS/FQAK3vEq0MrwZ30/DWD
Powerup Test	Passed						ID#:SCUnEgAAW0yj3vSIBLX6/D
If{True}	Done						ID#:4eEsqOKbqUuns4XRqA2FxC

`TR6_report.xml`, `TR5_report.xml`, `TR6_Expand.xml`, or `TR5_Expand.xml`

Complete the following steps to add an extra row with `StepID` information under each step in the report table using the `TR6_report.xml`, `TR5_report.xml`, `TR6_Expand.xml`, or `TR5_Expand.xml` file.

1. Open the `.xml` file you want to change.
2. Search for each of three instances of the `ADD_EXTRA_ROWS` comment and uncomment the following code for each instance:

```
<tr>
```

```
<td>StepID</td>
```

```
<td><xsl:value-of select="@testReferenceID"/></td>
```

```
</tr>
```

The following figure shows a modified report with a StepID row added for Sequence Call steps using the TR6\_report.xml or TR5\_report.xml file.

Simulation Dialog	
Status:	Done
Module Time:	2.172728
StepID	ID#:EsMLWcS4R0S9I0u0XWrPUC
Turn Vacuum Table On	
Status:	Done
Module Time:	0.001665
StepID	ID#:JS/FQAK3vEq0MrwZ30/DWD
Powerup Test	
Status:	Passed
Module Time:	0.002035
StepID	ID#:5CUnEgAAW0yj3vSIBLX6/D
If{True}	
Status:	Done
StepID	ID#:4eEsqOKbqUuns4XRqA2FxC

The following figure shows a modified report with a StepID row added for Sequence Call steps using the TR6\_Expand.xml or TR5\_Expand.xml file.

<b>Begin Sequence: MainSequence</b> <b>(C:\Customization\Computer Motherboard Test Sequence.seq)</b>									
<b>Simulation Dialog</b>									
<table> <tr> <th colspan="2">Simulation Dialog</th></tr> <tr> <td>Status:</td><td>Done</td></tr> <tr> <td>Module Time:</td><td>2.172728</td></tr> <tr> <td>StepID</td><td>ID#:EsMLWcS4R0S9I0u0XWrPUC</td></tr> </table>		Simulation Dialog		Status:	Done	Module Time:	2.172728	StepID	ID#:EsMLWcS4R0S9I0u0XWrPUC
Simulation Dialog									
Status:	Done								
Module Time:	2.172728								
StepID	ID#:EsMLWcS4R0S9I0u0XWrPUC								
<b>Turn Vacuum Table On</b>									
<table> <tr> <th colspan="2">Turn Vacuum Table On</th></tr> <tr> <td>Status:</td><td>Done</td></tr> <tr> <td>Module Time:</td><td>0.001665</td></tr> <tr> <td>StepID</td><td>ID#:JS/FQAK3vEq0MrwZ30/DWD</td></tr> </table>		Turn Vacuum Table On		Status:	Done	Module Time:	0.001665	StepID	ID#:JS/FQAK3vEq0MrwZ30/DWD
Turn Vacuum Table On									
Status:	Done								
Module Time:	0.001665								
StepID	ID#:JS/FQAK3vEq0MrwZ30/DWD								
<b>Powerup Test</b>									
<table> <tr> <th colspan="2">Powerup Test</th></tr> <tr> <td>Status:</td><td>Passed</td></tr> <tr> <td>Module Time:</td><td>0.002035</td></tr> <tr> <td>StepID</td><td>ID#:5CUnEgAAW0yj3vSIBLX6/D</td></tr> </table>		Powerup Test		Status:	Passed	Module Time:	0.002035	StepID	ID#:5CUnEgAAW0yj3vSIBLX6/D
Powerup Test									
Status:	Passed								
Module Time:	0.002035								
StepID	ID#:5CUnEgAAW0yj3vSIBLX6/D								

## Adding Images and Text to an ATML Test Results 6.01 or 5.0 Report Header or Footer

You can modify the XSL code that generates report headers and footers. Complete the following steps to add images and text to report headers and footers.

1. Open the `.xsl` file you want to change.
2. Search for the `ADD_HEADER_INFO` comment and uncomment the following lines of code to add a company logo and Computer Motherboard Test text to the header of the report:

```
<img src = 'c:/images/companylogo.jpg' />
<span style="font-size:1.13em;color:#003366;">Computer
Motherboard Test</span>
```

The HTML `<img>` tag provides additional functionality, such as aligning the image to the left, right, or center. Refer to the W3Schools website, located at [www.w3schools.com](http://www.w3schools.com), for more information about the `<img>` tag.

3. Search for the `ADD_FOOTER_INFO` comment and uncomment the following lines of code before the closing `</body>` tag to add the text TestStand Generated Report to the footer of the report:

```
<span style="font-size:1.13em;color:#003366;">TestStan
d Generated Report</span>
```

4. Add `CompanyLogo.jpg` to the `C:\Images` directory.

TR6\_Horizontal.xsl or TR5\_Horizontal.xsl

The following figure shows a modified report header using the `TR6_Horizontal.xsl` or `TR5_Horizontal.xsl` file.



## Computer Motherboard Test

### UUT Report

<b>Station ID</b>	DDT-6KBXDX1
<b>Serial Number</b>	NONE
<b>Date</b>	Monday, June 09, 2014
<b>Time</b>	4:16:44 PM
<b>Operator</b>	administrator
<b>Execution Time</b>	00:00:01.417
<b>Number of Results</b>	17
<b>UUT Result</b>	Passed

The following figure shows a modified report footer using the TR6\_Horizontal.xsl or TR5\_Horizontal.xsl file.

### End UUT Report

---

## TestStand Generated Report

TR6\_report.xsl or TR5\_report.xsl

The following figure shows a modified report header using the TR6\_report.xsl or TR5\_report.xsl file.



## Computer Motherboard Test

### UUT Report

<b>Station ID:</b>	<b>DDT-6KBXDX1</b>
<b>Serial Number:</b>	<b>NONE</b>
<b>Date:</b>	<b>Monday, June 09, 2014</b>
<b>Time:</b>	<b>4:13:34 PM</b>
<b>Operator:</b>	<b>administrator</b>
<b>Execution Time:</b>	<b>00:00:01.770</b>
<b>Number of Results:</b>	<b>17</b>
<b>UUT Result:</b>	<b>Passed</b>

---

The following figure shows a modified report footer using the TR6\_report.xml or TR5\_report.xml file.

### End UUT Report

---

### TestStand Generated Report

TR6\_Expand.xml or TR5\_Expand.xml

The following figure shows a modified report header using the TR6\_Expand.xml or TR5\_Expand.xml file.





## Computer Motherboard Test



### Expand/Collapse All Step Results

## UUT Report

<b>Station ID:</b>	<b>DDT-6KBXDX1</b>
<b>Serial Number:</b>	<b>NONE</b>
<b>Date:</b>	<b>Monday, June 09, 2014</b>
<b>Time:</b>	<b>4:10:49 PM</b>
<b>Operator:</b>	<b>administrator</b>
<b>Execution Time:</b>	<b>00:00:03.719</b>
<b>Number of Results:</b>	<b>17</b>
<b>UUT Result:</b>	<b>Passed</b>

---

The following figure shows a modified report footer using the TR6\_Expand.xml or TR5\_Expand.xml file.

## End UUT Report

---

## TestStand Generated Report

Adding Step Results to an ATML Test Results 6.01 or 5.0 Report without Indentation

Complete the following steps to ensure a report does not indent any step results using the TR6\_Horizontal.xml, TR5\_Horizontal.xml, TR6\_report.xml, TR5\_report.xml, TR6\_Expand.xml, or TR5\_Expand.xml files.

1. Open the .xml file you want to change.
2. Search for the `Customization variables` comment.
3. Search for the `gRemoveIndentationFunctionality` variable and change the value of the select attribute from "false" to "true", which results in the following line of code:  
`<xsl:variable name="gRemoveIndentationFunctionality"select="true()"/>`

The following figure shows a modified report without indentation using the TR6\_Horizontal.xml or TR5\_Horizontal.xml file.

Begin Sequence: Select & Case Steps  
(C:\Customization\Flow Control Step Types.seq)


Step	Status	Measurement	Units	Limits		
				Low Limit	High Limit	Comparison Type
Prompt for Text Response	Done					
TestResults/Data:						
ButtonHit:	1					
Response:	yes					
<input checked="" type="checkbox"/> Select(yes) RunState.Sequence.Main["Prompt for Text Response"].Result.Response	Done					
Step	Status	Measurement	Units	Limits		
				Low Limit	High Limit	Comparison Type
<input checked="" type="checkbox"/> Case("y", "yes")	Done					

The following figure shows a modified report without indentation using the TR6\_report.xml or TR5\_report.xml file.


Begin Sequence: Select & Case Steps  
(C:\Customization\Flow Control Step Types.seq)


Prompt for Text Response	
Status:	Done
TestResults/Data:	
ButtonHit:	1
Response:	yes
Select(yes) RunState.Sequence.Main["Prompt for Text Response"].Result.Response	
Status:	Done
Case("y", "yes")	
Status:	Done


The following figure shows a modified report without indentation using the TR6\_Expand.xml or TR5\_Expand.xml file.

✓  **Begin Sequence: Select & Case Steps**  
(C:\Customization\Flow Control Step Types.seq)

 **Prompt for Text Response**

 **Select**

 **Case**

 **Yes Case**

 **End**

 **End**

**End Sequence: Select & Case Steps**

Adding Sequence Call Step Results to an ATML Test Results 6.01 or 5.0 Report without Indentation

Complete the following steps to ensure that a report does not indent [Sequence Call](#) step results using the TR6\_report.xml, TR5\_report.xml, TR6\_Expand.xml, or TR5\_Expand.xml file.

1. Open the .xml file you want to change.
2. Search for the `<!-- Customization variables-->` comment.
3. Search for the `gIndentSequenceCalls` variable and change the value of the `select` attribute from `true` to `false`, which results in the following line of code:

```
<xsl:variable name="gIndentSequenceCalls" select="false()" />
```



**Note** [Flow Control](#) steps continue to indent even with this customization.

TR6\_report.xml or TR5\_report.xml

The following figure shows a modified report that includes Sequence Call steps without indentation using the TR6\_report.xml or TR5\_report.xml file.

<b>CPU Diagnostics</b>	
Status:	Failed
Module Time:	0.226103
<b>Begin Sequence: CPU Diagnostics</b> (C:\Customization\Computer Motherboard Test Sequence.seq)	
<b>Register Diagnostics</b>	
Status:	Passed
Module Time:	0.001783
<b>Instruction Set Diagnostics</b>	
Status:	Failed
Module Time:	0.003383
<b>Cache Diagnostics</b>	
Status:	Passed
Module Time:	0.001808
<b>FPU Diagnostics</b>	
Status:	Passed
Module Time:	0.002429
<b>End Sequence: CPU Diagnostics</b>	

TR6\_Expand.xml or TR5\_Expand.xml

The following figure shows a modified report that includes Sequence Call steps without indentation using the TR6\_Expand.xml or TR5\_Expand.xml file.

<b>✖ CPU Test</b>	
<b>CPU Test</b>	
Status:	Failed
Module Time:	2.815587
<b>✖ Begin Sequence: CPU Test</b> (C:\Customization\Computer Motherboard Test Sequence.seq)	
<b>✔ Register Test</b>	

## Changing the Display Format of Execution Time in an ATML Test Results 6.01 or 5.0 Report

XSL and JavaScript code generate the HTML code for the execution time information, for which the default display is in seconds. Complete the following steps to display the execution time information in `Hour:Minutes:Seconds` format.

1. Open the `.xsl` file you want to change.
2. Search for the `CHANGE_TOTAL_TIME_FORMAT` comment.
3. Delete the following line of code:

```
<xsl:value-of select="tr:ResultSet/tr:Extension/ts:TSS
tepProperties/ts:TotalTime/@value"/> seconds
```

4. Uncomment the following lines of code:

```
<xsl:call-template name="GetTotalTimeInHHMMSSFormat">
<xsl:with-param name="timeInSeconds" select="tr:ResultSet/tr:Extension/
ts:TSSStepProperties/ts:TotalTime/@value"/>
</xsl:call-template>
```

TR6\_Horizontal.xsl or TR5\_Horizontal.xsl

The following figure shows the modified execution time in a report using the `TR6_Horizontal.xsl` or `TR5_Horizontal.xsl` file.

### UUT Report

<b>Station ID</b>	DDT-6KBXDX1
<b>Serial Number</b>	NONE
<b>Date</b>	Monday, June 09, 2014
<b>Time</b>	3:52:29 PM
<b>Operator</b>	administrator
<b>Execution Time</b>	00:00:03.711
<b>Number of Results</b>	26
<b>UUT Result</b>	Failed

TR6\_report.xml or TR5\_report.xml

The following figure shows the modified execution time in a report using the TR6\_report.xml or TR5\_report.xml file.

## UUT Report

<b>Station ID:</b>	<b>DDT-6KBXDX1</b>
<b>Serial Number:</b>	<b>NONE</b>
<b>Date:</b>	<b>Monday, June 09, 2014</b>
<b>Time:</b>	<b>3:57:58 PM</b>
<b>Operator:</b>	<b>administrator</b>
<b>Execution Time:</b>	<b>00:00:03.125</b>
<b>Number of Results:</b>	<b>26</b>
<b>UUT Result:</b>	<b>Failed</b>
<b>Failure Chain:</b>	

TR6\_Expand.xml or TR5\_Expand.xml

The following figure shows the modified execution time in a report using the TR6\_Expand.xml or TR5\_Expand.xml file.

 **Expand/Collapse All Step Results**

## UUT Report

<b>Station ID:</b>	<b>DDT-6KBXDX1</b>
<b>Serial Number:</b>	<b>NONE</b>
<b>Date:</b>	<b>Monday, June 09, 2014</b>
<b>Time:</b>	<b>4:02:42 PM</b>
<b>Operator:</b>	<b>administrator</b>
<b>Execution Time:</b>	<b>00:00:04.589</b>
<b>Number of Results:</b>	<b>26</b>
<b>UUT Result:</b>	<b>Failed</b>
<b>Failure Chain:</b>	

## Customizing the UUT Report Header for an ATML Test Results 6.01 or 5.0 Report

Complete the following steps to add a row in the header of a report to display the ID of the result set the report contains.

1. Open the `.xsl` file.
2. Search for the `CREATE_UUTHEADER_INFO` comment and uncomment the following table row code that appears after the comment:

```
<tr>
<td>
ResultSet ID
</td>
<td>
<xsl:value-of select="tr:ResultSet/@ID"/>
</td>
</tr>
```

The expression `"tr:ResultSet/@ID"` specifies the XPath expression to obtain the result set ID from the XML file. You must customize the XPath expression to match the data you want to add to the additional rows. Refer to the World Wide Web Consortium (W3C) website, located at [www.w3.org](http://www.w3.org), for more information about XPath.

## Modifying Cell Background Color Based on Step Status in an ATML Test Results 6.01 or 5.0 Report

TR6\_Horizontal.xsl or TR5\_Horizontal.xsl

Complete the following steps to modify the background color of the step status cell using the `TR6_Horizontal.xsl` or `TR5_Horizontal.xsl` file.

1. Open the `.xsl` file you want to change.
2. Search for the `ADD_STATUS` comment.
3. Uncomment the following lines of code:

```

<xsl:variable name="cellBackgroundColor"
<xsl:choose>
<xsl:when test="$outcome = 'Passed'">#FFFF00</xsl:when>
<xsl:otherwise><xsl:value-of select="$statusBackgroundColor"/></xsl:otherwise>
<xsl:choose>
<td style="background-color:{ $cellBackgroundColor};width:
{$gSecondColumnWidth};">

```

The `<xsl:when test="$outcome = 'Passed'">#FFFF00</xsl:when>` expression changes the background color variable to yellow. You can use a custom XPath expression instead.

ATML Test Results 2.02 Report Style Sheet does not need to be updated as it already references XPath.

4. Comment out the following line of code:

```

<td style="color:{ $statusColor};text-align:center;">

```

5. Optionally, you can add `Failed.jpg` to the `C:\Images` directory and uncomment the following lines of code after the `ADD_IMG` comment to add an image next to the UUT status text for `Failed` steps:

```

<xsl:if test="$outcome = 'Failed'">
<img src = "c:\images\failed.jpg"/>
</xsl:if>

```

The following figure shows a modified report with yellow cells for steps with a `Passed` status using the `TR6_Horizontal.xsl` or `TR5_Horizontal.xsl` file.

Turn Vacuum Table On	Done					
Powerup Test	Passed					



TR6\_report.xsl, TR5\_report.xsl, TR6\_Expand.xsl, or TR5\_Expand.xsl

Complete the following steps to modify the background color of the step status cell using the TR6\_report.xsl, TR5\_report.xsl, TR6\_Expand.xsl, or TR5\_Expand.xsl file.

1. Open the .xsl file you want to change.
2. Search for the ADD\_STATUS comment.
3. Uncomment the following lines of code:

```
<xsl:variable name="cellBackgroundColor"
<xsl:choose>
<xsl:when test="$outcome = 'Passed'">#FFFF00</xsl:when>
<xsl:otherwise><xsl:value-of select="$statusBackgroundColor"/></xsl:otherwise>
<xsl:choose>
<td style="background-color:{$cellBackgroundColor};width:
{$gSecondColumnWidth};">
```

The `<xsl:when test="$outcome = 'Passed'">#FFFF00</xsl:when>` expression changes the background color variable to yellow. You can use a custom XPath expression instead.

ATML Test Results 2.02 Report Style Sheet does not need to be updated as it already references XPath.

4. Comment out the following line of code:

```
<td style="background-color:{$statusBackgroundColor};width:{$gSecondColumnWidth};">
```

5. Optionally, you can add Failed.jpg to the C:\Images directory and uncomment the following lines of code after the ADD\_IMG comment to add an image next to the UUT status text for Failed steps:

```
<xsl:if test="$outcome = 'Failed'">
<img src = "c:\images\failed.jpg"/>
```

</xsl:if>

The following figure shows a modified report with yellow cells for steps with a **Passed** status using the TR6\_report.xml, TR5\_report.xml, TR6\_Expand.xml, or TR5\_Expand.xml file.

Powerup Test	
Status:	Passed
Module Time:	0.0003394

Rendering HTML Elements and New Line Characters in an ATML Test Results 6.01 or 5.0 Report

Complete the following steps to ensure a report renders HTML elements and new line characters using the TR6\_Horizontal.xml, TR5\_Horizontal.xml, TR6\_report.xml, TR5\_report.xml, TR6\_Expand.xml, or TR5\_Expand.xml files.

1. Open the .xml file you want to change.
2. Search for the `Customization variables` comment.
3. Search for the `gDisplayNewLineAndHTMLElementInStringProperty` variable and change the value of the `select` attribute from "false" to "true", which results in the following line of code:

```
<xsl:variable
  name="gDisplayNewLineAndHTMLElementInStringProperty"select="true()"/>
```

For example, if you create a local string variable named `StringContainingHTMLElementAndNewLine` and specify `Locals.StringContainingHTMLElementAndNewLine="<b>Hello\nWorld</b>"` in the TestStand expression, executing the sequence file generates a modified report, as shown for each file type in the following figures:

TR6\_Horizontal.xml or TR5\_Horizontal.xml

Step	Status	Measurement	Units	Limits		
				Low Limit	High Limit	Comparison Type
Additional Results	Done					
TestResults/Data						
StringContainingHTMLElementAndNewLine:		Hello World				

TR6\_report.xml or TR5\_report.xml

Additional Results	
Status:	Done
TestResults/Data:	
StringContainingHTMLElementAndNewLine:	Hello World

TR6\_Expand.xml or TR5\_Expand.xml

Additional Results	
Status:	Done
TestResults/Data:	
StringContainingHTMLElementAndNewLine:	Hello World

## Customizing the ATML Test Results 2.02 Report Style Sheet

You can use a text editor to customize the TR\_horizontal.xml [report style sheet](#) you can use for a report that validates against version 2.02 of the [ATML Test Results and Session Information](#) schema in the following ways:

- Add [columns](#) to the report
- Enable or disable [table indentation](#)
- Display or hide [TestStand-specific information](#)
- Display the [fully expanded state](#) of the report in a plain HTML format
- Customize the [UUT report header](#)



**Note** Copy the existing style sheets and all support files from the <TestStand>\Components\Models\TestStandModels\ATML\StyleSheets directory to the <TestStand Public>\Components\Models\TestStandModels\ATML\StyleSheets directory and make changes to the copies of the files. When you change the name of a style sheet, use

the [Contents](#) tab of the [Report Options](#) dialog box to use the new style sheet when generating ATML reports.

## Adding Columns to an ATML Test Results 2.02 Report

Complete the following steps to modify the `TR_horizontal.xsl` style sheet to modify the XSL templates and JavaScript code to add a new StepID column to the right side of the report table. You can also copy and add the following code for each new column you want to add.

1. Open the `TR_horizontal.xsl` file.
2. Search for the `CREATE_EXTRA_COLUMNS` comment in the `StartTable` JavaScript function. Copy the following comment, paste the copy below the original, and uncomment the copy to add a new StepID column:

```
"<td rowspan='2' valign='bottom' align='center' width='20%'><font size='1'><b>StepID</b></font></td>" +
```

The `StepID` value is the heading of the new column. Modify this value to customize the column heading.

3. Search for the `INITIALIZE_NUMBER_OF_CUSTOM_COLUMNS` comment and increment the value of the `gNoOfCustomColumns` variable by the number of columns you want to add. Because you are adding only the StepID column in this example, replace the 0 value with 1, which results in the following line of code:

```
<xsl:variable name="gNoOfCustomColumns" select="1"/>
```

4. Search for each instance of the `ADD_COLUMN_DATA` comment and the uncomment the following code:

```
<td align="right">
```

```
<xsl:value-of select="n1:Extension/ts:TSSStepProperties/ts:StepId"/>
```

```
</td>
```

The expression `"n1:Extension/ts:TSSStepProperties/ts:StepId"`

" specifies the XPath expression to obtain the step ID from the XML file. You must customize the XPath expression to match the data you want to add to the additional columns. Refer to the World Wide Web Consortium (W3C) website, located at [www.w3.org](http://www.w3.org), for more information about XPath.

5. Repeat steps 2 through 4 to add additional columns.

#### Enabling or Disabling Table Indentation in an ATML Test Results 2.02 Report

Complete the following steps to enable or disable the indentation of all tables the report that uses the `TR_horizontal.xsl` report style sheet displays. By default, the report displays indentation of all tables.

1. Open the `TR_horizontal.xsl` file.
2. Search for the `gIndentTables` XSLT variable.
3. Set the variable to `false()` to disable the indentation of all tables. You can reset the variable to `true()` to enable displaying indentation.

#### Displaying or Hiding TestStand-Specific Information in an ATML Test Results 2.02 Report

By default, the report does not display TestStand-specific properties. You can enable the `TR_horizontal.xsl` report style sheet to display the following TestStand-specific properties in the report:

- TestStand Step ID
- Step Type
- Step Group
- Block Level
- Index
- Step Caused Sequence Failure
- Loop Index
- Number of Iterations
- Number of Steps Passed
- Number of Steps Failed
- Ending Loop Index

- Interactive Execution #
- Remote Server
- Partial TPS Executed
- Number of Results
- Test Socket Index



**Note** The report always displays the Block Level, Index, Interactive Execution #, and Test Socket Index TestStand-specific properties as unsigned integers.

Complete the following steps to display TestStand-specific properties in the report. When you enable the report to display TestStand-specific properties, the properties appear in a separate collapsible section in the report.

1. In TestStand, enable the **Include TestStand Extension Elements** option on the [Contents](#) tab of the [Report Options](#) dialog box.
2. Open the `TR_horizontal.xsl` file in a text editor.
3. Search for the `gShowTestStandSpecificInformation` XSLT variable.
4. Set the variable to `true()` to display TestStand-specific properties. You can reset the variable to `false()` to disable displaying TestStand-specific properties in the report.



**Note** The report always displays the Partial TPS Executed, Number of Results, and Test Socket Index properties even when you specify a value of `false()` for the `gShowTestStandSpecificInformation` XSLT variable.

## TestStand Extension Elements

The ATML Test Results and Session Information schema defines extension elements so users can add industry-specific or product-specific data to the report.

TestStand ATML report generators log the following additional step properties to the report in `<Extension>` child elements of the `<TestGroup>`, `<SessionAction>`, and `<Test>` elements. Enable the **Include TestStand Extension Elements**

option on the Contents tab of the Report Options dialog box to include these extension elements in the generated report. Refer to the `TestResultsTSExtension.xsd` file, located in the `<TestStand>\Components\Models\TestStandModels\ATML\Schemas\ATML 5` directory and the `<TestStand>\Components\Models\TestStandModels\ATML\Schemas\ATML 2.02` directory, for more information about the elements you can add to the `<Extension>` child elements.

- TestStand Step ID
- Step Type
- Step Group
- Block Level
- Step Caused Sequence Failure
- Index
- Loop Index
- Number of Iterations
- Number of Steps Passed
- Number of Steps Failed
- Ending Loop Index
- Interactive Execution #
- Remote Server
- Partial TPS Executed
- Number of Results
- Test Socket Index

TestStand ATML report generators add the following step properties only for ATML 6.01 or 5.0 reports:

- Total time
- Module time

TestStand ATML report generators add the following TestStand-specific information in the `<Extension>` child element for the `<TestResults>` and `<TestResult>` element:

- Critical failure stack
- Number of step results
- Batch and Parallel report
  - Batch serial Number
  - Test socket Index
- TSR files
  - File name
  - File ID
  - Is TSR file closed
  - TSR file status

Displaying the Fully Expanded ATML Test Results 2.02 Report in Plain HTML

Complete the following steps to display the fully expanded state of the report in a plain HTML format without any additional expand or collapse functionality. By default, the report enables the expand and collapse functionality.

1. Open the `TR_horizontal.xsl` file.
2. Search for the `gGeneratePlainHTML` XSLT variable.
3. Set the variable to `true()` to display the plain HTML format. You can reset the variable to `false()` to disable displaying the plain HTML format.

Customizing the UUT Report Header for an ATML Test Results 2.02 Report

Complete the following steps to add a row in the header of a report that uses the `TR_horizontal.xsl` report style sheet to display the ID of the result set the report contains.

1. Open the `TR_horizontal.xsl` file.



2. Search for the `CREATE_UUTHEADER_INFO` comment and uncomment the following table row code that appears after the comment:

```
<tr level="0">
  <td>
    <font size="1"><b>ResultSet ID</b></font>
  </td>
  <td>
    <xsl:value-of select="n1:ResultSet/@ID"/>
  </td>
</tr>
```

The expression `"n1:ResultSet/@ID"` specifies the XPath expression to obtain the result set ID from the XML file. You must customize the XPath expression to match the data you want to add to the additional rows. Refer to the World Wide Web Consortium (W3C) website, located at [www.w3.org](http://www.w3.org), for more information about XPath.

## Customizing the ATML Test Results Report Generator

You can customize an ATML Test Results (TR) report TestStand creates by implementing a DLL that exports one or more [exported extension functions](#). TestStand calls the functions while creating the report.

Complete the following steps to customize an ATML TR report.

1. Create an extension DLL to implement one or more of the supported exported functions.
2. In the TestStand Sequence Editor, open or create a sequence file for which you want to generate a customized report.
3. Select **Edit»Sequence File Callbacks** to launch the [Sequence File Callbacks](#) dialog box.

4. Select the **ReportOptions** callback sequence and click **Add** to override the ReportOptions callback in the sequence file. Click **OK** to close the Sequence File Callbacks dialog box.
5. On the [Sequences](#) pane, double-click **ReportOptions** to open the ReportOptions callback sequence.
6. Insert a [Statement](#) step in the ReportOptions callback sequence.
7. With the Statement step selected, click the [Expression](#) edit tab of the [Step Settings](#) pane.
8. Enter the following expression in the **Expression** control:

```
Parameters.ReportOptions.Atml_Rpt_Options.ExtensionDLL
AbsolutePath = <absolute path to extension DLL>
```

TestStand resolves the value of the `Parameters.ReportOptions.Atml_Rpt_Options.ExtensionDLLAbsolutePath` variable at run time, so you can implement run-time logic in the ReportOptions callback to assign different values to this variable. For example, the value of the `Parameters.ReportOptions.Atml_Rpt_Options.ExtensionDLLAbsolutePath` variable might be different depending on whether the `Parameters.ReportOptions.ReportStyle` variable is ATML or ATML5.

---

## See Also

[ATML Test Results Reports](#)

[Exported ATML TR Report Extension Functions](#)

[Using Callback Sequences to Modify Process Models](#)

### Exported ATML Test Results Report Extension Functions

The [ATML Test Results \(TR\) report generator extension DLL](#) can implement one or more of the following functions to modify the content of the ATML TR report. The following table specifies if the extension DLL calls each function for an ATML 6.01, 5.0, or 2.02 report.

Function	ATML6.01	ATML5.0	ATML2.02
<a href="#">Event_Extension</a>	✓	—	—
<a href="#">Limits_Mask</a>	✓	✓	✓
<a href="#">Parameter_Description</a>	✓	✓	✓
<a href="#">Parameter_Description_All</a>	✓	✓	✓
<a href="#">Parameter_Extension</a>	✓	—	—
<a href="#">Personnel_Data</a>	✓	✓	✓
<a href="#">Personnel_Data_All</a>	✓	✓	✓
<a href="#">Reference_Extension</a>	✓	✓	✓
<a href="#">ResultSet_All</a>	✓	✓	✓
<a href="#">ResultSet_Attributes</a>	✓	✓	✓
<a href="#">ResultSet_Description</a>	✓	✓	✓
<a href="#">ResultSet_EnvironmentalData</a>	✓	✓	—
<a href="#">ResultSet_Events</a>	✓	✓	✓
<a href="#">ResultSet_Events_All</a>	✓	✓	—
<a href="#">ResultSet_Outcome_All</a>	✓	✓	✓
<a href="#">ResultSet_Outcome_Attributes</a>	✓	✓	✓
<a href="#">SessionAction_ActionOutcome_All</a>	✓	✓	✓
<a href="#">SessionAction_ActionOutcome_Attributes</a>	✓	✓	✓
<a href="#">SessionAction_All</a>	✓	✓	✓
<a href="#">SessionAction_Attributes</a>	✓	✓	✓
<a href="#">SessionAction_Attributes_All</a>	✓	✓	✓
<a href="#">SessionAction_Data</a>	✓	✓	✓
<a href="#">SessionAction_Data_All</a>	✓	✓	✓
<a href="#">SessionAction_Description</a>	✓	✓	✓

<a href="#">SessionAction_Description_All</a>	✓	✓	✓
<a href="#">SessionAction_EnvironmentalData</a>	✓	✓	—
<a href="#">SessionAction_Events</a>	✓	✓	✓
<a href="#">SessionAction_Events_All</a>	✓	✓	✓
<a href="#">SessionAction_Extension</a>	✓	✓	✓
<a href="#">SessionAction_Extension_All</a>	✓	✓	✓
<a href="#">SessionAction_Parameters</a>	✓	✓	✓
<a href="#">SessionAction_Parameters_All</a>	✓	✓	✓
<a href="#">SystemOperator_Attributes</a>	✓	✓	✓
<a href="#">SystemOperator_Data</a>	✓	✓	✓
<a href="#">SystemOperator_Data_All</a>	✓	✓	✓
<a href="#">Test_All</a>	✓	✓	✓
<a href="#">Test_Attributes</a>	✓	✓	✓
<a href="#">Test_Attributes_All</a>	✓	✓	✓
<a href="#">Test_Calibration</a>	✓	✓	✓
<a href="#">Test_Data</a>	✓	✓	✓
<a href="#">Test_Data_All</a>	✓	✓	✓
<a href="#">Test_Description</a>	✓	✓	✓
<a href="#">Test_Description_All</a>	✓	✓	✓
<a href="#">Test_EnvironmentalData</a>	✓	✓	—
<a href="#">Test_Events</a>	✓	✓	✓
<a href="#">Test_Events_All</a>	✓	✓	✓
<a href="#">Test_Extension</a>	✓	✓	✓
<a href="#">Test_Extension_All</a>	✓	✓	✓
<a href="#">Test_Outcome_All</a>	✓	✓	✓

<a href="#">Test_Outcome_Attributes</a>	✓	✓	✓
<a href="#">Test_Parameters</a>	✓	✓	✓
<a href="#">Test_Parameters_All</a>	✓	✓	✓
<a href="#">Test_TestLimits</a>	✓	✓	✓
<a href="#">TestGroup_All</a>	✓	✓	✓
<a href="#">TestGroup_Attributes</a>	✓	✓	✓
<a href="#">TestGroup_Attributes_All</a>	✓	✓	✓
<a href="#">TestGroup_Calibration</a>	✓	✓	✓
<a href="#">TestGroup_Data</a>	✓	✓	✓
<a href="#">TestGroup_Data_All</a>	✓	✓	✓
<a href="#">TestGroup_Description</a>	✓	✓	✓
<a href="#">TestGroup_Description_All</a>	✓	✓	✓
<a href="#">TestGroup_EnvironmentalData</a>	✓	✓	—
<a href="#">TestGroup_Events</a>	✓	✓	✓
<a href="#">TestGroup_Events_All</a>	✓	✓	✓
<a href="#">TestGroup_Extension</a>	✓	✓	✓
<a href="#">TestGroup_Extension_All</a>	✓	✓	✓
<a href="#">TestGroup_Outcome_All</a>	✓	✓	✓
<a href="#">TestGroup_Outcome_Attributes</a>	✓	✓	✓
<a href="#">TestGroup_Parameters</a>	✓	✓	✓
<a href="#">TestGroup_Parameters_All</a>	✓	✓	✓
<a href="#">TestGroup_TestLimits</a>	✓	✓	✓
<a href="#">TestResult_All</a>	✓	✓	✓
<a href="#">TestResult_Attributes</a>	✓	✓	✓
<a href="#">TestResult_Description</a>	✓	✓	✓
<a href="#">TestResult_Description_All</a>	✓	✓	✓

<a href="#">TestResult_Extension</a>	✓	✓	✓
<a href="#">TestResult_Indictments</a>	✓	✓	✓
<a href="#">TestResult_Outcome</a>	✓	✓	✓
<a href="#">TestResult_Outcome_All</a>	✓	✓	✓
<a href="#">TestResult_Outcome_Attributes</a>	✓	✓	✓
<a href="#">TestResult_Transform</a>	—	✓	✓
<a href="#">TestResults_EnvironmentalData</a>	—	—	✓
<a href="#">TestResults_Extension</a>	✓	✓	✓
<a href="#">TestResults_Extension_All</a>	✓	✓	✓
<a href="#">TestResults_Indictments</a>	—	—	✓
<a href="#">TestResults_PreTestPairs</a>	✓	✓	✓
<a href="#">TestResults_References</a>	✓	✓	✓
<a href="#">TestResults_References_All</a>	✓	✓	✓
<a href="#">TestResults_Site</a>	✓	✓	—
<a href="#">TestResults_TestDescription</a>	✓	✓	✓
<a href="#">TestResults_TestDescription_All</a>	✓	✓	✓
<a href="#">TestResults_TestProgram</a>	✓	✓	✓
<a href="#">TestResults_TestProgram_All</a>	✓	✓	—
<a href="#">TestResults_TestResult_Extension</a>	✓	—	—
<a href="#">TestResults_WorkOrder</a>	✓	✓	✓
<a href="#">TestStation_Data</a>	✓	✓	✓
<a href="#">TestStation_Data_All</a>	✓	✓	✓
<a href="#">UUT_Attributes</a>	✓	✓	✓

<a href="#">UUT_Data</a>	✓	✓	✓
<a href="#">UUT_Data_All</a>	✓	✓	✓

## See Also

### [ATML Test Results Reports](#)

✓ ATML 6.01 ✗ ATML 5.0 ✗ ATML 2.02

#### Event\_Extension

#### Syntax

```
int Event_Extension (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

#### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

#### Purpose

Returns the outer XML value for the <TestResults>/<ResultSet>/<TestGroup>/<Events>/<Event>/<Extension> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the <Extension> element depending on the data in TestStand variables when sequence file execution completes.

#### Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the <Extension> element

depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<Extension>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

[PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02



## Limits\_Mask

## Syntax

```
int Limits_Mask (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the following elements. The outer XML represents the node and all its child nodes.

- <TestResults>/<ResultSet>/<Test>/<TestResult>/<TestLimits>/<Limits>/<Mask>
- <TestResults>/<ResultSet>/<TestGroup>/<TestResult>/<TestLimits>/<Limits>/<Mask>



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function.

If the outer XML value the **bstrStr** parameter specifies is empty and the report generator calls this function for a <Mask> element that applies to a test limit of the <Test> element, the report generator generates report text for an <Expected>, <SingleLimit>, <LimitPair>, or <Extension> child element of the test limit

of the `<Test>` element depending on the data in TestStand variables when sequence file execution completes.

If the outer XML value the **bstrStr** parameter specifies is empty and the report generator calls this function for a `<Mask>` element that applies to a test limit of the `<TestGroup>` element, the report generator generates report text for an `<Expected>`, `<SingleLimit>`, `<LimitPair>`, or `<Extension>` child element of the test limit of the `<TestGroup>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for an `<Expected>`, `<SingleLimit>`, `<LimitPair>`, or `<Extension>` child element of the test limit of the `<Test>` or `<TestGroup>` element instead of generating report text for the `<Mask>` element that applies to the test limit of the `<Test>` or `<TestGroup>` element, respectively. The report text the generator generates depends on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
  - **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
  - **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
  - **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
  - **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
  - **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.
-

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

Parameter\_Description

### Syntax

```
int Parameter_Description (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the following elements. The outer XML represents the node and all its child nodes.

- <TestResults>/<ResultSet>/<Test>/<Parameters>/<Parameter>/<Description>
- <TestResults>/<ResultSet>/<SessionAction>/<Parameters>/<Parameter>/<Description>
- <TestResults>/<ResultSet>/<TestGroup>/<Parameters>/<Parameter>/<Description>

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the <Description> element depending on the data in TestStand variables when sequence file execution completes.

The report generator calls this function for a particular TR report element only when the report generator extension mechanism DLL does not implement and export one or more of the following functions or when the extension mechanism DLL

implements and exports one or more of the following functions but the function or functions return an empty string:

Function	Element for Which the Report Generator Calls the Parameter_Description Function
<u>Test_Parameters</u>	<Test>/<Parameters>/<Parameter>/<Description>
<u>SessionAction_Parameters</u>	<SessionAction>/<Parameters>/<Parameter>/<Description>
<u>TestGroup_Parameters</u>	<TestGroup>/<Parameters>/<Parameter>/<Description>

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the <Description> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the <Description> element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand PropertyObject of type UUT.
- **stationInfo**—References a TestStand PropertyObject of type NI\_StationInfo.
- **context**—References a TestStand PropertyObject of type Sequence Context.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.

- **stepResult**—References a TestStand `PropertyObject` of type `Result`. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

[PropertyObject](#)

[SessionAction\\_Parameters](#)

[Test\\_Parameters](#)

[TestGroup\\_Parameters](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

Parameter\_Description\_All

## Syntax

```
int Parameter_Description_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the following elements. The outer XML represents the node and all its child nodes.

- `<TestResults>/<ResultSet>/<Test>/<Parameters>/<Parameter>/<Description>`

- `<TestResults>/<ResultSet>/<SessionAction>/<Parameters>/<Parameter>/<Description>`
- `<TestResults>/<ResultSet>/<TestGroup>/<Parameters>/<Parameter>/<Description>`

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

## Parameter Description

✓ ATML 6.01 ✗ ATML 5.0 ✗ ATML 2.02

Parameter\_Extension

### Syntax

```
int Parameter_Extension (CAObjHandle UTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the following elements. The outer XML represents the node and all its child nodes.

- <TestResults>/<ResultSet>/<Test>/<Parameters>/<Parameter>/<Extension>
- <TestResults>/<ResultSet>/<SessionAction>/<Parameters>/<Parameter>/<Extension>
- <TestResults>/<ResultSet>/<TestGroup>/<Parameters>/<Parameter>/<Extension>

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the <Extension> element depending on the data in TestStand variables when sequence file execution completes.

### Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is

empty, the report generator generates report text for the `<Extension>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<Extension>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

[PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02



## Personnel\_Data

### Syntax

```
int Personnel_Data (CAObjHandle UUTHandle, CAObjHandle sta
tionInfo, CAObjHandle context, CAObjHandle optionsHandle,
CAObjHandle mainSequenceResults, CAObjHandle startDate, CA
ObjHandle startTime, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <TestResults>/<Personnel> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the <Personnel> element depending on the data in TestStand variables when sequence file execution completes.

### Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the <Personnel> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the <Personnel> element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand PropertyObject of type NI\_StationInfo.
- **context**—References a TestStand PropertyObject of type Sequence Context.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

Personnel\_Data\_All

## Syntax

```
int Personnel_Data_All (CAObjHandle UUTHandle, CAObjHandle
stationInfo, CAObjHandle context, CAObjHandle optionsHandle,
CAObjHandle mainSequenceResults, CAObjHandle startDate,
CAObjHandle startTime, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the `<TestResults>/<Personnel>` element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **mainSequenceResults**—References a TestStand [PropertyObject](#) of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand [PropertyObject](#) of type StartDate.
- **startTime**—References a TestStand [PropertyObject](#) of type StartTime.

- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[Personnel\\_Data](#)

[PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

Reference\_Extension

## Syntax

```
int Reference_Extension (CAObjHandle UUTHandle, CAObjHandle
stationInfo, CAObjHandle context, CAObjHandle optionsHan
dle, CAObjHandle mainSequenceResults, CAObjHandle startDat
e, CAObjHandle startTime, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the <TestResults>/<References>/<Reference>/<Extension> element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and

export this function, the report generator does not add any report text for the <Reference>/<Extension> element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand PropertyObject of type NI\_StationInfo.
- **context**—References a TestStand PropertyObject of type Sequence Context.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

[PropertyObject](#)

[TestResults References](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## ResultSet\_All

### Syntax

```
int ResultSet_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function after the generator generates report text for the <ResultSet> element depending on the data in TestStand variables when sequence file execution completes or by calling into other exported functions.

### Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator adds the already generated report text depending on the data in TestStand variables when sequence file execution completes or by calling into other exported functions.

### Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.

- **context**—References a TestStand PropertyObject of type Sequence Context.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**— An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02

ResultSet\_Attributes

### Syntax

```
int ResultSet_Attributes (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the XML attributes for the `<TestResults>/<ResultSet>` element.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is empty, the report generator generates report text for the attributes of the `<ResultSet>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the attributes of the `<ResultSet>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.



- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that specifies the report text that contains all the attribute-value pairs concatenated for the <ResultSet> element.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

### ResultSet\_Description

#### Syntax

```
int ResultSet_Description (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

#### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

#### Purpose

Returns the outer XML value for the <TestResults>/<ResultSet>/<Description> element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the <Description> element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
  - **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
  - **context**—References a TestStand [PropertyObject](#) of type Sequence Context.
  - **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
  - **mainSequenceResults**—References a TestStand [PropertyObject](#) of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
  - **startDate**—References a TestStand [PropertyObject](#) of type StartDate.
  - **startTime**—References a TestStand [PropertyObject](#) of type StartTime.
  - **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.
-

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✗ ATML 2.02

ResultSet\_EnvironmentalData

### Syntax

```
int ResultSet_EnvironmentalData (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <TestResults>/<ResultSet>/<EnvironmentalData> element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

### Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the <EnvironmentalData> element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand PropertyObject of type NI\_StationInfo.
- **context**—References a TestStand PropertyObject of type SequenceContext.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01 | ✓ ATML 5.0 | ✓ ATML 2.02

## ResultSet\_Events

### Syntax

```
int ResultSet_Events (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the `<TestResults>/<ResultSet>/<Events>` element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the `<Events>` element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type Sequence Context.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **mainSequenceResults**—References a TestStand [PropertyObject](#) of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand [PropertyObject](#) of type StartDate.

- **startTime**—References a TestStand `PropertyObject` of type `StartTime`.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✗ ATML 2.02

`ResultSet_Events_All`

### Syntax

```
int ResultSet_Events_All (CAObjHandle UTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

### Purpose

Modifies and returns the outer XML value for the `<TestResults>/<ResultSet>/<Events>` element. The outer XML represents the node and all its child nodes.

### Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does

not implement and export this function, the report generator does not add any report text for the `<Events>` element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand PropertyObject of type NI\_StationInfo.
- **context**—References a TestStand PropertyObject of type Sequence Context.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

ResultSet\_Outcome\_All

## Syntax

```
int ResultSet_Outcome_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsH
```

```
andle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet>/<Outcome> element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **mainSequenceResults**—References a TestStand [PropertyObject](#) of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand [PropertyObject](#) of type StartDate.



- **startTime**—References a TestStand `PropertyObject` of type `StartTime`.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

## See Also

[PropertyObject](#)

[ResultSet\\_Outcome\\_Attributes](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

ResultSet\_Outcome\_Attributes

## Syntax

```
int ResultSet_Outcome_Attributes (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the XML attributes for the `<TestResults>/<ResultSet>/<Outcome>` element.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is empty, the report generator generates report text for the attributes of the <Outcome> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the attributes of the <Outcome> element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **mainSequenceResults**—References a TestStand [PropertyObject](#) of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand [PropertyObject](#) of type StartDate.
- **startTime**—References a TestStand [PropertyObject](#) of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that specifies the report

text that contains all the attribute-value pairs concatenated for the `<Outcome>` element.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02

SessionAction\_ActionOutcome\_All

## Syntax

```
int SessionAction_ActionOutcome_All (CAObjHandle UUTHandle
, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle
optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the `<TestResults>/<ResultSet>/<SessionAction>/<ActionOutcome>` element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.

- **stationInfo**—References a TestStand PropertyObject of type NI\_StationInfo.
- **context**—References a TestStand PropertyObject of type Sequence Context.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **stepResult**—References a TestStand PropertyObject of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[SessionAction\\_ActionOutcome\\_Attributes](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

SessionAction\_ActionOutcome\_Attributes

## Syntax

```
int SessionAction_ActionOutcome_Attributes (CAObjHandle UU
THandle, CAObjHandle stationInfo, CAObjHandle context, CA
ObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstr
Str)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the XML attributes for the `<TestResults>/<ResultSet>/<Session Action>/<ActionOutcome>` element.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is empty, the report generator generates report text for the attributes of the `<ActionOutcome>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the attributes of the `<ActionOutcome>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.

- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that specifies the report text that contains all the attribute-value pairs concatenated for the `<ActionOutcome>` element.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02

## SessionAction\_All

### Syntax

```
int SessionAction_All (CAObjHandle UTHandle, CAObjHandle
stationInfo, CAObjHandle context, CAObjHandle optionsHandle,
CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Modifies and returns the outer XML value for the `<TestResults>/<ResultSet>/<SessionAction>` element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function after the generator generates report text for the `<SessionAction>` element depending on the data in TestStand variables when sequence file execution completes or by calling into other exported functions.

### Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter

specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator adds the already generated report text depending on the data in TestStand variables when sequence file execution completes or by calling into other exported functions.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01 | ✓ ATML 5.0 | ✓ ATML 2.02

## SessionAction\_Attributes

### Syntax

```
int SessionAction_Attributes (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the XML attributes for the `<TestResults>/<ResultSet>/<SessionAction>` element.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the attributes of the `<SessionAction>` element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is empty, the report generator generates report text for the attributes of the `<SessionAction>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the attributes of the `<SessionAction>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.



- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **stepResult**—References a TestStand PropertyObject of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that specifies the report text that contains all the attribute-value pairs concatenated for the <SessionAction> element.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

SessionAction\_Attributes\_All

## Syntax

```
int SessionAction_Attributes_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the XML attributes for the <TestResults>/<ResultSet>/<SessionAction> element.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result

of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text for the attributes of the `<SessionAction>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand `PropertyObject` of type `NI_StationInfo`.
- **context**—References a TestStand `PropertyObject` of type `SequenceContext`.
- **optionsHandle**—References a TestStand `PropertyObject` of type `ReportOptions`.
- **stepResult**—References a TestStand `PropertyObject` of type `Result`. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies a string that specifies the report text, depending on the data in TestStand variables when sequence file execution completes, that contains all the attribute-value pairs concatenated for the `<SessionAction>` element. An [Out] value specifies a string that the function returns upon execution and that specifies the modified report text that contains all the attribute-value pairs concatenated for the `<SessionAction>` element.

---

## See Also

[PropertyObject](#)

[SessionAction\\_Attributes](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## SessionAction\_Data

### Syntax

```
int SessionAction_Data (CAObjHandle UUTHandle, CAObjHandle
stationInfo, CAObjHandle context, CAObjHandle optionsHandl
e, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <TestResults>/<ResultSet>/<SessionAction>/<Data> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the <Data> element depending on the data in TestStand variables when sequence file execution completes.

### Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the <Data> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the <Data> element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02

## SessionAction\_Data\_All

### Syntax

```
int SessionAction_Data_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet>/<SessionAction>/<Data> element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

## SessionAction\_Data

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

SessionAction\_Description

### Syntax

```
int SessionAction_Description (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <TestResults>/<ResultSet>/<SessionAction>/<Description> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the <Description> element depending on the data in TestStand variables when sequence file execution completes.

### Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the <Description> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the <Description>

element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type Sequence Context.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

SessionAction\_Description\_All

## Syntax

```
int SessionAction_Description_All (CAObjHandle UUTHandle,
CAObjHandle stationInfo, CAObjHandle context, CAObjHandle
optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the `<TestResults>/<ResultSet>/<SessionAction>/<Description>` element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function



returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[SessionAction\\_Description](#)

✓ ATML 6.01 | ✓ ATML 5.0 | ✗ ATML 2.02

SessionAction\_EnvironmentalData

## Syntax

```
int SessionAction_EnvironmentalData (CAObjHandle UUTHandle
, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle
optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the <SessionAction>/<EnvironmentalData> element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does

not implement and export this function, the report generator does not add any report text for the `<EnvironmentalData>` element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type Sequence Context.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)



## SessionAction\_Events

## Syntax

```
int SessionAction_Events (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the `<TestResults>/<ResultSet>/<SessionAction>/<Events>` element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the `<Events>` element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the `<Events>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<Events>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type Sequence Context.

- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **stepResult**—References a TestStand PropertyObject of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

SessionAction\_Events\_All

## Syntax

```
int SessionAction_Events_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet>/<SessionAction>/<Events> element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result

of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[SessionAction\\_Events](#)

✓ ATML 6.01 | ✓ ATML 5.0 | ✓ ATML 2.02

## SessionAction\_Extension

### Syntax

```
int SessionAction_Extension (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the `<TestResults>/<ResultSet>/<SessionAction>/<Extension>` element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the `<Extension>` element depending on the data in TestStand variables when sequence file execution completes.

### Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the `<Extension>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<Extension>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02

SessionAction\_Extension\_All

## Syntax

```
int SessionAction_Extension_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet>/<SessionAction>/<Extension> element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)



## SessionAction\_Extension

✓ ATML 6.01 | ✓ ATML 5.0 | ✓ ATML 2.02

SessionAction\_Parameters

### Syntax

```
int SessionAction_Parameters (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <TestResults>/<ResultSet>/<SessionAction>/<Parameters> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the <Parameters> element depending on the data in TestStand variables when sequence file execution completes.

### Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the <Parameters> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the <Parameters>

element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type Sequence Context.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

SessionAction\_Parameters\_All

## Syntax

```
int SessionAction_Parameters_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the `<TestResults>/<ResultSet>/<SessionAction>/<Parameters>`. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function

returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[SessionAction\\_Parameters](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

SystemOperator\_Attributes

## Syntax

```
int SystemOperator_Attributes (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the XML attributes for the <TestResults>/<Personnel>/<SystemOperator> element.

## Remarks

If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is empty, the report generator generates report text for the attributes of the <SystemOperator

> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the attributes of the <SystemOperator> element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **mainSequenceResults**—References a TestStand [PropertyObject](#) of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand [PropertyObject](#) of type StartDate.
- **startTime**—References a TestStand [PropertyObject](#) of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that specifies the report text that contains all the attribute-value pairs concatenated for the <SystemOperator> element.

---

## See Also

[PropertyObject](#)

[SystemOperator\\_Data](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## SystemOperator\_Data

### Syntax

```
int SystemOperator_Data (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <TestResults>/<Personnel>/<SystemOperator> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the <SystemOperator> element depending on the data in TestStand variables when sequence file execution completes.

### Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the <SystemOperator> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the <SystemOperator> element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand PropertyObject of type NI\_StationInfo.
- **context**—References a TestStand PropertyObject of type Sequence Context.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

[Personnel\\_Data](#)

[PropertyObject](#)

✓ ATML 6.01 | ✓ ATML 5.0 | ✓ ATML 2.02

SystemOperator\_Data\_All

## Syntax

```
int SystemOperator_Data_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle option
```

```
sHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the <TestResults>/<Personnel>/<SystemOperator> element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **mainSequenceResults**—References a TestStand [PropertyObject](#) of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.



- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

## See Also

[PropertyObject](#)

[SystemOperator\\_Data](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

Test\_All

Syntax

```
int Test_All (CAObjHandle UTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet>/<Test> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function after the generator generates report text for the <Test> element depending on the data in TestStand variables when sequence file execution completes or by calling into other exported functions.

## Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator adds the already generated report text depending on the data in TestStand variables when sequence file execution completes or by calling into other exported functions.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type Sequence Context.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## Test\_Attributes

### Syntax

```
int Test_Attributes (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the XML attributes for the <TestResults>/<ResultSet>/<Test> element.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the attributes of the <Test> element depending on the data in TestStand variables when sequence file execution completes.

### Remarks

If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is empty, the report generator generates report text for the attributes of the <Test> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the attributes of the <Test> element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that specifies the report text that contains all the attribute-value pairs concatenated for the <Test> element.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02

## Test\_Attributes\_All

### Syntax

```
int Test_Attributes_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the XML attributes for the `<TestResults>/<ResultSet>/<Test>` element.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text for the attributes of the `<Test>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
  - **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
  - **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
  - **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
  - **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
  - **bstrStr**—An [In] value specifies a string that specifies the report text, depending on the data in TestStand variables when sequence file execution completes, that contains all the attribute-value pairs concatenated for the `<Test>` element. An [Out] value specifies a string that the function returns upon execution and that specifies the modified report text that contains all the attribute-value pairs concatenated for the `<Test>` element.
-

## See Also

[PropertyObject](#)

[Test\\_Attributes](#)

✓ ATML 6.01 | ✓ ATML 5.0 | ✓ ATML 2.02

Test\_Calibration

## Syntax

```
int Test_Calibration (CAObjHandle UUTHandle, CAObjHandle s
tationInfo, CAObjHandle context, CAObjHandle optionsHandle
, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the <TestResults>/<ResultSet>/<Test>/<Calibration> element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the <Calibration> element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02

## Test\_Data

### Syntax

```
int Test_Data (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the `<TestResults>/<ResultSet>/<Test>/<Data>` element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the `<Data>` element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the `<Data>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<Data>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.



- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

Test\_Data\_All

### Syntax

```
int Test_Data_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet>/<Test>/<Data> element. The outer XML represents the node and all its child nodes.

### Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[Test\\_Data](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

Test\_Description

## Syntax

```
int Test_Description (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the `<TestResults>/<ResultSet>/<Test>/<Description>` element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the `<Description>` element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the `<Description>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<Description>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type Sequence Context.

- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **stepResult**—References a TestStand PropertyObject of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

Test\_Description\_All

## Syntax

```
int Test_Description_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet>/<Test>/<Description> element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result

of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[Test\\_Description](#)



## Test\_EnvironmentalData

### Syntax

```
int Test_EnvironmentalData (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <Test>/<EnvironmentalData> element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

### Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the <EnvironmentalData> element.

### Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.

- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **stepResult**—References a TestStand PropertyObject of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

Test\_Events

## Syntax

```
int Test_Events (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the <TestResults>/<ResultSet>/<Test>/<Events> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the <Events> element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the <Events> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the <Events> element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

[PropertyObject](#)

✓ ATML 6.01 | ✓ ATML 5.0 | ✓ ATML 2.02



## Test\_Events\_All

### Syntax

```
int Test_Events_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet>/<Test>/<Events> element. The outer XML represents the node and all its child nodes.

### Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

### Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.

- **stepResult**—References a TestStand `PropertyObject` of type `Result`. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[Test\\_Events](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

Test\_Extension

## Syntax

```
int Test_Extension (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the `<TestResults>/<ResultSet>/<Test>/<Extension>` element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the `<Extension>` element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the `<Extension>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<Extension>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

[PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## Test\_Extension\_All

### Syntax

```
int Test_Extension_All (CAObjHandle UUTHandle, CAObjHandle
stationInfo, CAObjHandle context, CAObjHandle optionsHandle,
CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet>/<Test>/<Extension> element. The outer XML represents the node and all its child nodes.

### Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

### Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.

- **stepResult**—References a TestStand `PropertyObject` of type `Result`. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

## See Also

[PropertyObject](#)

[Test\\_Extension](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

Test\_Outcome\_All

## Syntax

```
int Test_Outcome_All (CAObjHandle UUTHandle, CAObjHandle s
tationInfo, CAObjHandle context, CAObjHandle optionsHandle
, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the `<TestResults>/<ResultSet>/<Test>/<Outcome>` element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[Test\\_Outcome\\_Attributes](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## Test\_Outcome\_Attributes

### Syntax

```
int Test_Outcome_Attributes (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the XML attributes for the <TestResults>/<ResultSet>/<Test>/<Outcome> element.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

### Remarks

If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is empty, the report generator generates report text for the attributes of the <Outcome> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the attributes of the <Outcome> element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that specifies the report text that contains all the attribute-value pairs concatenated for the <Outcome> element.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02

## Test\_Parameters

### Syntax

```
int Test_Parameters (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.



## Purpose

Returns the outer XML value for the `<TestResults>/<ResultSet>/<Test>/<Parameters>` element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the `<Parameters>` element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the `<Parameters>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<Parameters>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand `PropertyObject` of type `NI_StationInfo`.
- **context**—References a TestStand `PropertyObject` of type `SequenceContext`.
- **optionsHandle**—References a TestStand `PropertyObject` of type `ReportOptions`.
- **stepResult**—References a TestStand `PropertyObject` of type `Result`. This reference refers to a result that a step in the executed sequence file returns.

- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

Test\_Parameters\_All

### Syntax

```
int Test_Parameters_All (CAObjHandle UUTHandle, CAObjHandle
stationInfo, CAObjHandle context, CAObjHandle optionsHan
dle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet>/<Test>/<Parameters> element. The outer XML represents the node and all its child nodes.

### Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[Test\\_Parameters](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## Test\_TestLimits

### Syntax

```
int Test_TestLimits (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the `<TestResults>/<ResultSet>/<Test>/<TestLimits>` element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the `<TestLimits>` element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.

- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## TestGroup\_All

### Syntax

```
int TestGroup_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet>/<TestGroup> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function after the generator generates report text for the <TestGroup> element depending on the data in TestStand variables when sequence file execution completes or by calling into other exported functions.

### Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does

not implement and export this function, the report generator adds the already generated report text depending on the data in TestStand variables when sequence file execution completes or by calling into other exported functions.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## TestGroup\_Attributes

## Syntax

```
int TestGroup_Attributes (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the XML attributes for the `<TestResults>/<ResultSet>/<TestGroup>` element.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the attributes of the `<TestGroup>` element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is empty, the report generator generates report text for the attributes of the `<TestGroup>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the attributes of the `<TestGroup>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.

- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **stepResult**—References a TestStand PropertyObject of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that specifies the report text that contains all the attribute-value pairs concatenated for the <TestGroup> element.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestGroup\_Attributes\_All

### Syntax

```
int TestGroup_Attributes_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Modifies and returns the XML attributes for the <TestResults>/<ResultSet>/<TestGroup> element.

### Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result



of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text for the attributes of the <TestGroup> element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies a string that specifies the report text, depending on the data in TestStand variables when sequence file execution completes, that contains all the attribute-value pairs concatenated for the <TestGroup> element. An [Out] value specifies a string that the function returns upon execution and that specifies the modified report text that contains all the attribute-value pairs concatenated for the <TestGroup> element.

---

## See Also

[PropertyObject](#)

[TestGroup\\_Attributes](#)



## TestGroup\_Calibration

### Syntax

```
int TestGroup_Calibration (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <TestResults>/<ResultSet>/<TestGroup>/<Calibration> element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

### Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the <Calibration> element.

### Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand PropertyObject of type NI\_StationInfo.
- **context**—References a TestStand PropertyObject of type Sequence Context.

- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **stepResult**—References a TestStand PropertyObject of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestGroup\_Data

## Syntax

```
int TestGroup_Data (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the <TestResults>/<ResultSet>/<TestGroup>/<Data> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the <Data> element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the <Data> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the <Data> element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

[PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## TestGroup\_Data\_All

### Syntax

```
int TestGroup_Data_All (CAObjHandle UUTHandle, CAObjHandle
stationInfo, CAObjHandle context, CAObjHandle optionsHandle,
CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet>/<TestGroup>/<Data> element. The outer XML represents the node and all its child nodes.

### Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

### Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type Sequence Context.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.

- **stepResult**—References a TestStand `PropertyObject` of type `Result`. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[TestGroup\\_Data](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestGroup\_Description

### Syntax

```
int TestGroup_Description (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the `<TestResults>/<ResultSet>/<TestGroup>/<Description>` element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the `<Description>` element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the `<Description>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<Description>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
  - **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
  - **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
  - **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
  - **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
  - **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.
-

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestGroup\_Description\_All

### Syntax

```
int TestGroup_Description_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet>/<TestGroup>/<Description> element. The outer XML represents the node and all its child nodes.

### Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

### Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.



- **context**—References a TestStand PropertyObject of type Sequence Context.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **stepResult**—References a TestStand PropertyObject of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

## See Also

[PropertyObject](#)

[TestGroup\\_Description](#)

✓ ATML 6.01 ✓ ATML 5.0 ✗ ATML 2.02

TestGroup\_EnvironmentalData

## Syntax

```
int TestGroup_EnvironmentalData (CAObjHandle UTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the `<TestGroup>/<EnvironmentalData>` element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the `<EnvironmentalData>` element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

[PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## TestGroup\_Events

### Syntax

```
int TestGroup_Events (CAObjHandle UTHandle, CAObjHandle s
tationInfo, CAObjHandle context, CAObjHandle optionsHandle
, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <TestResults>/<ResultSet>/<TestGroup>/<Events> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the <Events> element depending on the data in TestStand variables when sequence file execution completes.

### Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the <Events> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the <Events> element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02

TestGroup\_Events\_All

## Syntax

```
int TestGroup_Events_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the `<TestResults>/<ResultSet>/<TestGroup>/<Events>` element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

## TestGroup\_Events

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestGroup\_Extension

### Syntax

```
int TestGroup_Extension (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <TestResults>/<ResultSet>/<TestGroup>/<Extension> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the <Extension> element depending on the data in TestStand variables when sequence file execution completes.

### Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the <Extension> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the <Extension>

element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestGroup\_Extension\_All

## Syntax

```
int TestGroup_Extension_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the `<TestResults>/<ResultSet>/<TestGroup>/<Extension>` element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function



returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[TestGroup\\_Extension](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestGroup\_Outcome\_All

## Syntax

```
int TestGroup_Outcome_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet>/<TestGroup>/<Outcome> element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[TestGroup\\_Outcome\\_Attributes](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestGroup\_Outcome\_Attributes

## Syntax

```
int TestGroup_Outcome_Attributes (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the XML attributes for the `<TestResults>/<ResultSet>/<TestGroup>/<Outcome>` element.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is empty, the report generator generates report text for the attributes of the `<Outcome>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the attributes of the `<Outcome>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.

- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **stepResult**—References a TestStand PropertyObject of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that specifies the report text that contains all the attribute-value pairs concatenated for the <Outcome> element.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## TestGroup\_Parameters

### Syntax

```
int TestGroup_Parameters (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <TestResults>/<ResultSet>/<TestGroup>/<Parameters> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the `<Parameters>` element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the `<Parameters>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<Parameters>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
  - **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
  - **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
  - **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
  - **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
  - **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.
-

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## TestGroup\_Parameters\_All

### Syntax

```
int TestGroup_Parameters_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Modifies and returns the outer XML value for the <TestResults>/<ResultSet>/<TestGroup>/<Parameters> element. The outer XML represents the node and all its child nodes.

### Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

### Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.

- **context**—References a TestStand PropertyObject of type Sequence Context.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **stepResult**—References a TestStand PropertyObject of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

## See Also

[PropertyObject](#)

[TestGroup\\_Parameters](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestGroup\_TestLimits

## Syntax

```
int TestGroup_TestLimits (CAObjHandle UTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the `<TestResults>/<ResultSet>/<TestGroup>/<TestLimits>` element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the `<TestLimits>` element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
  - **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
  - **context**—References a TestStand [PropertyObject](#) of type Sequence Context.
  - **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
  - **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
  - **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.
-



## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestResult\_All

### Syntax

```
int TestResult_All (CAObjHandle UUTHandle, CAObjHandle sta
tionInfo, CAObjHandle context, CAObjHandle optionsHandle,
CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Modifies and returns the outer XML value for the following elements. The outer XML represents the node and all its child nodes.

- <TestResults>/<ResultSet>/<Test>/<TestResult>
- <TestResults>/<ResultSet>/<TestGroup>/<TestResult>



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

### Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator adds the already generated report text depending on the data in TestStand variables when sequence file execution completes or by calling into other exported functions.



**Note** The extension mechanism DLL calls this function only when the `<TestResult>` element maps to a [Multiple Numeric Limit Test](#) step in TestStand, depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[Multiple Numeric Limit Test](#) step

[PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02

## TestResult\_Attributes

### Syntax

```
int TestResult_Attributes (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the XML attributes for the following elements:

- <TestResults>/<ResultSet>/<Test>/<TestResult>
- <TestResults>/<ResultSet>/<TestGroup>/<TestResult>



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

### Remarks

If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is empty, the report generator generates report text for the attributes of the <TestResult> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the attributes of the <TestResult> element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type Sequence Context.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that specifies the report text that contains all the attribute-value pairs concatenated for the <TestResult> element.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02

## TestResult\_Description

### Syntax

```
int TestResult_Description (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the following elements. The outer XML represents the node and all its child nodes.

- `<TestResults>/<ResultSet>/<Test>/<TestResult>/<Description>`
- `<TestResults>/<ResultSet>/<TestGroup>/<TestResult>/<Description>`

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the `<Description>` element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the `<Description>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<Description>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.

- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **stepResult**—References a TestStand PropertyObject of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestResult\_Description\_All

## Syntax

```
int TestResult_Description_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the following elements. The outer XML represents the node and all its child nodes.

- <TestResults>/<ResultSet>/<Test>/<TestResult>/<Description>
- <TestResults>/<ResultSet>/<TestGroup>/<TestResult>/<Description>

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[TestResult\\_Description](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## TestResult\_Extension

### Syntax

```
int TestResult_Extension (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the following elements. The outer XML represents the node and all its child nodes.

- <TestResults>/<ResultSet>/<Test>/<TestResult>/<Extension>
- <TestResults>/<ResultSet>/<TestGroup>/<TestResult>/<Extension>



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

### Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the <Extension> element.

### Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.



- **stationInfo**—References a TestStand PropertyObject of type NI\_StationInfo.
- **context**—References a TestStand PropertyObject of type Sequence Context.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **stepResult**—References a TestStand PropertyObject of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestResult\_Indictments

### Syntax

```
int TestResult_Indictments (CAObjHandle UTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the following elements. The outer XML represents the node and all its child nodes.

- `<TestResults>/<ResultSet>/<Test>/<TestResult>/<Indictments>`
- `<TestResults>/<ResultSet>/<TestGroup>/<TestResult>/<Indictments>`



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the `<Indictments>` element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestResult\_Outcome

### Syntax

```
int TestResult_Outcome (CAObjHandle UUTHandle, CAObjHandle
stationInfo, CAObjHandle context, CAObjHandle optionsHandl
e, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the following elements. The outer XML represents the node and all its child nodes.

- <TestResults>/<ResultSet>/<Test>/<TestResult>/<Outcome>
- <TestResults>/<ResultSet>/<TestGroup>/<TestResult>/<Outcome>



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

### Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does

not implement and export this function, the report generator does not add any report text for the `<Outcome>` element.



**Note** The extension mechanism DLL does not call this function if the `<TestResult>` element maps to a [Multiple Numeric Limit Test](#) step in TestStand, depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

[Multiple Numeric Limit Test](#) step

[PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02

## TestResult\_Outcome\_All

### Syntax

```
int TestResult_Outcome_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Modifies and returns the outer XML value for the following elements. The outer XML represents the node and all its child nodes.

- <TestResults>/<ResultSet>/<Test>/<TestResult>/<Outcome>
- <TestResults>/<ResultSet>/<TestGroup>/<TestResult>/<Outcome>

### Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.



**Note** The extension mechanism DLL calls this function only when the <TestResult> element maps to a [Multiple Numeric Limit Test](#) step in TestStand, depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[Multiple Numeric Limit Test](#) step

[PropertyObject](#)

[TestResult\\_Outcome\\_Attributes](#)

✓ ATML 6.01 | ✓ ATML 5.0 | ✓ ATML 2.02

TestResult\_Outcome\_Attributes

## Syntax

```
int TestResult_Outcome_Attributes (CAObjHandle UUTHandle,
CAObjHandle stationInfo, CAObjHandle context, CAObjHandle
optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the XML attributes for the following elements:

- `<TestResults>/<ResultSet>/<Test>/<TestResult>/<Outcome>`
- `<TestResults>/<ResultSet>/<TestGroup>/<TestResult>/<Outcome>`

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the attributes of the `<Outcome>` element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is empty, the report generator generates report text for the attributes of the `<Outcome>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the attributes of the `<Outcome>` element depending on the data in TestStand variables when sequence file execution completes.



**Note** The extension mechanism DLL calls this function only when the `<TestResult>` element maps to a [Multiple Numeric Limit Test](#) step in TestStand, depending on the data in

TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that specifies the report text that contains all the attribute-value pairs concatenated for the <Outcome> element.

---

## See Also

[Multiple Numeric Limit Test](#) step

[PropertyObject](#)

✖ ATML 6.01 ✔ ATML 5.0 ✔ ATML 2.02

TestResult\_Transform

## Syntax

```
int TestResult_Transform (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle stepResult, BSTR *bstrStr)
```



## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the following elements. The outer XML represents the node and all its child nodes.

- `<TestResults>/<ResultSet>/<Test>/<TestResult>/<Transform>`
- `<TestResults>/<ResultSet>/<TestGroup>/<TestResult>/<Transform>`



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the `<Transform>` element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.

- **stepResult**—References a TestStand `PropertyObject` of type `Result`. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

### [PropertyObject](#)

✘ ATML 6.01 ✘ ATML 5.0 ✔ ATML 2.02

TestResults\_EnvironmentalData

### Syntax

```
int TestResults_EnvironmentalData (CAObjHandle UUTHandle,
CAObjHandle stationInfo, CAObjHandle context, CAObjHandle
optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle
e startDate, CAObjHandle startTime, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the `<TestResults>/<EnvironmentalData>` element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the `<EnvironmentalData>` element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **mainSequenceResults**—References a TestStand [PropertyObject](#) of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand [PropertyObject](#) of type StartDate.
- **startTime**—References a TestStand [PropertyObject](#) of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

[PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02

## TestResults\_Extension

### Syntax

```
int TestResults_Extension (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <TestResults>/<Extension> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the <Extension> element depending on the data in TestStand variables when sequence file execution completes.

### Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the <Extension> element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the <Extension> element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand PropertyObject of type NI\_StationInfo.
- **context**—References a TestStand PropertyObject of type Sequence Context.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02

TestResults\_Extension\_All

## Syntax

```
int TestResults_Extension_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the `<TestResults>/<Extension>` element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **mainSequenceResults**—References a TestStand [PropertyObject](#) of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand [PropertyObject](#) of type StartDate.
- **startTime**—References a TestStand [PropertyObject](#) of type StartTime.

- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

## See Also

[PropertyObject](#)

[TestResults\\_Extension](#)

✘ ATML 6.01 ✘ ATML 5.0 ✔ ATML 2.02

TestResults\_Indictments

## Syntax

```
int TestResults_Indictments (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle option sHandle, CAObjHandle mainSequenceResults, CAObjHandle start Date, CAObjHandle startTime, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the <TestResults>/<Indictments> element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the `<Indictments>` element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **mainSequenceResults**—References a TestStand [PropertyObject](#) of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand [PropertyObject](#) of type StartDate.
- **startTime**—References a TestStand [PropertyObject](#) of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

[PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02



## TestResults\_PreTestRepairs

### Syntax

```
int TestResults_PreTestRepairs (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <TestResults>/<PreTestRepairs> element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

### Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the <PreTestRepairs> element.

### Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type Sequence Context.

- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

### TestResults\_References

#### Syntax

```
int TestResults_References (CAObjHandle UTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

#### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the `<TestResults>/<References>` element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the `<References>` element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the `<References>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<References>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type `NI_StationInfo`.
- **context**—References a TestStand [PropertyObject](#) of type `SequenceContext`.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type `ReportOptions`.
- **mainSequenceResults**—References a TestStand [PropertyObject](#) of type `Result`. This reference refers to the result that the `MainSequence` of the executed sequence file returns.

- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestResults\_References\_All

## Syntax

```
int TestResults_References_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the <TestResults>/<References> element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and

export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand PropertyObject of type NI\_StationInfo.
- **context**—References a TestStand PropertyObject of type Sequence Context.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[TestResults References](#)



## TestResults\_Site

### Syntax

```
int TestResults_Site (CAObjHandle UUTHandle, CAObjHandle s
tationInfo, CAObjHandle context, CAObjHandle optionsHandle
, CAObjHandle mainSequenceResults, CAObjHandle startDate,
CAObjHandle startTime, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <TestResults>/<Site> element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

### Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the <Site> element.

### Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand PropertyObject of type NI\_StationInfo.
- **context**—References a TestStand PropertyObject of type Sequence Context.

- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestResults\_TestDescription

### Syntax

```
int TestResults_TestDescription (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the `<TestResults>/<TestDescription>` element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the `<TestDescription>` element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the `<TestDescription>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<TestDescription>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **mainSequenceResults**—References a TestStand [PropertyObject](#) of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.



- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestResults\_TestDescription\_All

## Syntax

```
int TestResults_TestDescription_All (CAObjHandle UUTHandle
, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the <TestResults>/<TestDescription> element. The outer XML represents the node and all its child nodes.

## Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and

export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand PropertyObject of type NI\_StationInfo.
- **context**—References a TestStand PropertyObject of type Sequence Context.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[TestResults\\_TestDescription](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## TestResults\_TestProgram

### Syntax

```
int TestResults_TestProgram (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle option sHandle, CAObjHandle mainSequenceResults, CAObjHandle start Date, CAObjHandle startTime, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <TestResults>/<TestProgram> element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

### Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the <TestProgram> element.

### Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type Sequence Context.

- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✗ ATML 2.02

TestResults\_TestProgram\_All

### Syntax

```
int TestResults_TestProgram_All (CAObjHandle UTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Modifies and returns the outer XML value for the `<TestResults>/<TestProgram>` element. The outer XML represents the node and all its child nodes.

## Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the `<TestProgram>` element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
  - **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
  - **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
  - **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
  - **mainSequenceResults**—References a TestStand [PropertyObject](#) of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
  - **startDate**—References a TestStand [PropertyObject](#) of type StartDate.
  - **startTime**—References a TestStand [PropertyObject](#) of type StartTime.
  - **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.
-

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✗ ATML 5.0 ✗ ATML 2.02

TestResults\_TestResult\_Extension

### Syntax

```
int TestResults_TestResult_Extension (CAObjHandle UUTHandle,
CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle,
CAObjHandle stepResult, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the following elements. The outer XML represents the node and all its child nodes.

- <TestResults>/<ResultSet>/<Test>/<TestResults>/<TestResult>/<Extension>
- <TestResults>/<ResultSet>/<TestGroup>/<TestResults>/<TestResult>/<Extension>

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the <Extension> element depending on the data in TestStand variables when sequence file execution completes.

### Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the <Extension> element

depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<Extension>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **stepResult**—References a TestStand [PropertyObject](#) of type Result. This reference refers to a result that a step in the executed sequence file returns.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01   ✓ ATML 5.0   ✓ ATML 2.02

TestResults\_WorkOrder

## Syntax

```
int TestResults_WorkOrder (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsH
```

```
andle, CAObjHandle mainSequenceResults, CAObjHandle startD  
ate, CAObjHandle startTime, BSTR *bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the <TestResults>/<WorkOrder> element. The outer XML represents the node and all its child nodes.



**Note** The report text this function returns when executed does not depend on any report data that the report generator generates.

## Remarks

If the report generator extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator does not add any report text for the <WorkOrder> element.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand PropertyObject of type NI\_StationInfo.
- **context**—References a TestStand PropertyObject of type Sequence Context.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.



- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestStation\_Data

### Syntax

```
int TestStation_Data (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Returns the outer XML value for the <TestResults>/<TestStation> element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the `<TestStation>` element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the `<TestStation>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<TestStation>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand [PropertyObject](#) of type NI\_StationInfo.
- **context**—References a TestStand [PropertyObject](#) of type SequenceContext.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **mainSequenceResults**—References a TestStand [PropertyObject](#) of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand [PropertyObject](#) of type StartDate.
- **startTime**—References a TestStand [PropertyObject](#) of type StartTime.

- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

TestStation\_Data\_All

### Syntax

```
int TestStation_Data_All (CAObjHandle UUTHandle, CAObjHandle stationInfo, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Modifies and returns the outer XML value <TestResults>/<TestStation> element. The outer XML represents the node and all its child nodes.

### Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **stationInfo**—References a TestStand PropertyObject of type NI\_StationInfo.
- **context**—References a TestStand PropertyObject of type SequenceContext.
- **optionsHandle**—References a TestStand PropertyObject of type ReportOptions.
- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

---

## See Also

[PropertyObject](#)

[TestStation\\_Data](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

## UUT\_Attributes

### Syntax

```
int UUT_Attributes (CAObjHandle UUTHandle, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceR
```

```
esults, CAObjHandle startDate, CAObjHandle startTime, BSTR
*bstrStr)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the XML attributes for the <TestResults>/<UUT> element.

## Remarks

If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the concatenated string of XML attribute-value pairs the **bstrStr** parameter specifies is empty, the report generator generates report text for the attributes of the <UUT> child element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the attributes of the <UUT> element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **context**—References a TestStand [PropertyObject](#) of type Sequence Context.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.

- **mainSequenceResults**—References a TestStand PropertyObject of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand PropertyObject of type StartDate.
- **startTime**—References a TestStand PropertyObject of type StartTime.
- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that specifies the report text that contains all the attribute-value pairs concatenated for the <UUT> element.

## See Also

[PropertyObject](#)

[UUT\\_Data](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

UUT\_Data

## Syntax

```
int UUT_Data (CAObjHandle UUTHandle, CAObjHandle context,
CAObjHandle optionsHandle, CAObjHandle mainSequenceResults
, CAObjHandle startDate, CAObjHandle startTime, BSTR *bstr
Str)
```

## Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

## Purpose

Returns the outer XML value for the `<TestResults>/<UUT>` element. The outer XML represents the node and all its child nodes.

The ATML TR report generator calls this function before the generator attempts to generate and add report text for the `<UUT>` element depending on the data in TestStand variables when sequence file execution completes.

## Remarks

If the outer XML value the **bstrStr** parameter specifies is not empty, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the outer XML value the **bstrStr** parameter specifies is empty, the report generator generates report text for the `<UUT>` element depending on the data in TestStand variables when sequence file execution completes.

If the report generator extension mechanism DLL does not implement and export this function, the report generator generates report text for the `<UUT>` element depending on the data in TestStand variables when sequence file execution completes.

## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **context**—References a TestStand [PropertyObject](#) of type Sequence Context.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **mainSequenceResults**—References a TestStand [PropertyObject](#) of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand [PropertyObject](#) of type StartDate.
- **startTime**—References a TestStand [PropertyObject](#) of type StartTime.

- **bstrStr**—An [In] value specifies an empty string. An [Out] value specifies a string that the function returns upon execution and that contains the outer XML value of the report text.

---

## See Also

### [PropertyObject](#)

✓ ATML 6.01 ✓ ATML 5.0 ✓ ATML 2.02

UUT\_Data\_All

### Syntax

```
int UUT_Data_All (CAObjHandle UUTHandle, CAObjHandle context, CAObjHandle optionsHandle, CAObjHandle mainSequenceResults, CAObjHandle startDate, CAObjHandle startTime, BSTR * bstrStr)
```

### Return Value

Indicates whether an error occurred in the exported function. A value of 0 indicates that no error occurred. Any negative value indicates that an error has occurred.

### Purpose

Modifies and returns the outer XML value for the <TestResults>/<UUT> element. The outer XML represents the node and all its child nodes.

### Remarks

If the extension mechanism DLL implements and exports this function, the report generator adds to the report the content the **bstrStr** parameter specifies as a result of calling this function. If the extension mechanism DLL does not implement and export this function, the report generator generates report text depending on the data in TestStand variables when sequence file execution completes.



## Parameters

- **UUTHandle**—References a TestStand [PropertyObject](#) of type UUT.
- **context**—References a TestStand [PropertyObject](#) of type Sequence Context.
- **optionsHandle**—References a TestStand [PropertyObject](#) of type ReportOptions.
- **mainSequenceResults**—References a TestStand [PropertyObject](#) of type Result. This reference refers to the result that the MainSequence of the executed sequence file returns.
- **startDate**—References a TestStand [PropertyObject](#) of type StartDate.
- **startTime**—References a TestStand [PropertyObject](#) of type StartTime.
- **bstrStr**—An [In] value specifies the outer XML value the report generator creates depending on the data in TestStand variables when sequence file execution completes. An [Out] value specifies a string that the function returns upon execution and that specifies the modified outer XML value the report generator creates.

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## See Also

[PropertyObject](#)

[UUT\\_Data](#)