



iTest 4.6 – What's New

12 May 2026

- **Breaking Changes Include:**
 - Editing Digital Input/Output Limit Thresholds
- **New Features Include:**
 - AI Vision
 - French Language Support
 - Solution Management
 - AutomationPanel Updates
 - Driver Updates
 - New INI Settings
 - Python Updates
 - iTest.PLC
- **Deprecations:**
 - *AnDRus.exe* is has been deprecated.

Breaking Changes



Releases can include new features or change old ones in a way that they aren't compatible with existing deployments. This can be due to a variety of reasons such as features being re-scoped, deprecated, relocated, etc. These changes may require special attention during an upgrade. Changes include:

- **Limits:** Limit thresholds for digital output and digital input channels can no longer be modified outside the Channel Definitions editors in Test Manager and SolutionBuilder. These restrictions were applied to Alarm Status, several AutomationPanel panels, FlexEdit's LIM and VLIM editors, and SolutionBuilder's and Test Manager's Limit Groups editors.

Major Features: AI Vision

iTest now includes the AIVision driver to provide a vision-based detection of instrument clusters using live or recorded video input. The AIVision driver performs real-time image processing to detect and analyze lamps and gauges, and monitoring of this data can be done via the AI Vision panel in AutomationPanel.



- **French Language Support**

- French is now a supported GUI language. You can set French as the current language by setting the **LANGID** *config.ini* option to 1036.

- **Solution Management**

- Like modules, solutions can be revision-controlled with the **ModuleRevisionControl** *config.ini* setting. When **ModuleRevisionControl=TRUE**, you can export and import solutions from LabCentral's *Solutions* and *Solutions_Development* folders. These folders separate production solutions from ones that are in development.

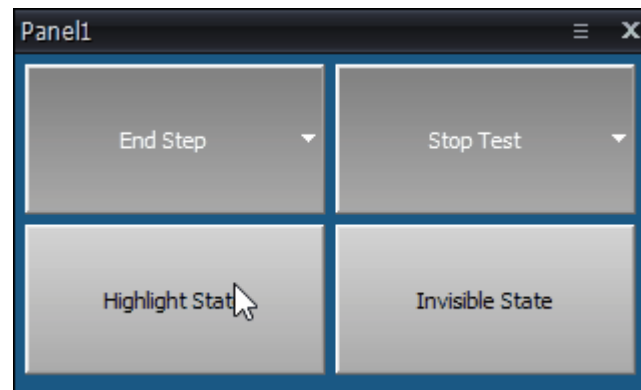
AutomationPanel: Panel Updates

- **Button Panel:**

- The **State Threshold Value** property has been added to the Button panel. This property allows you to define the value used as the tipping point to cause a state change in the button. The button state change occurs when the channel value is greater than the **State Threshold Value**.

- **ComboBox Panel:**

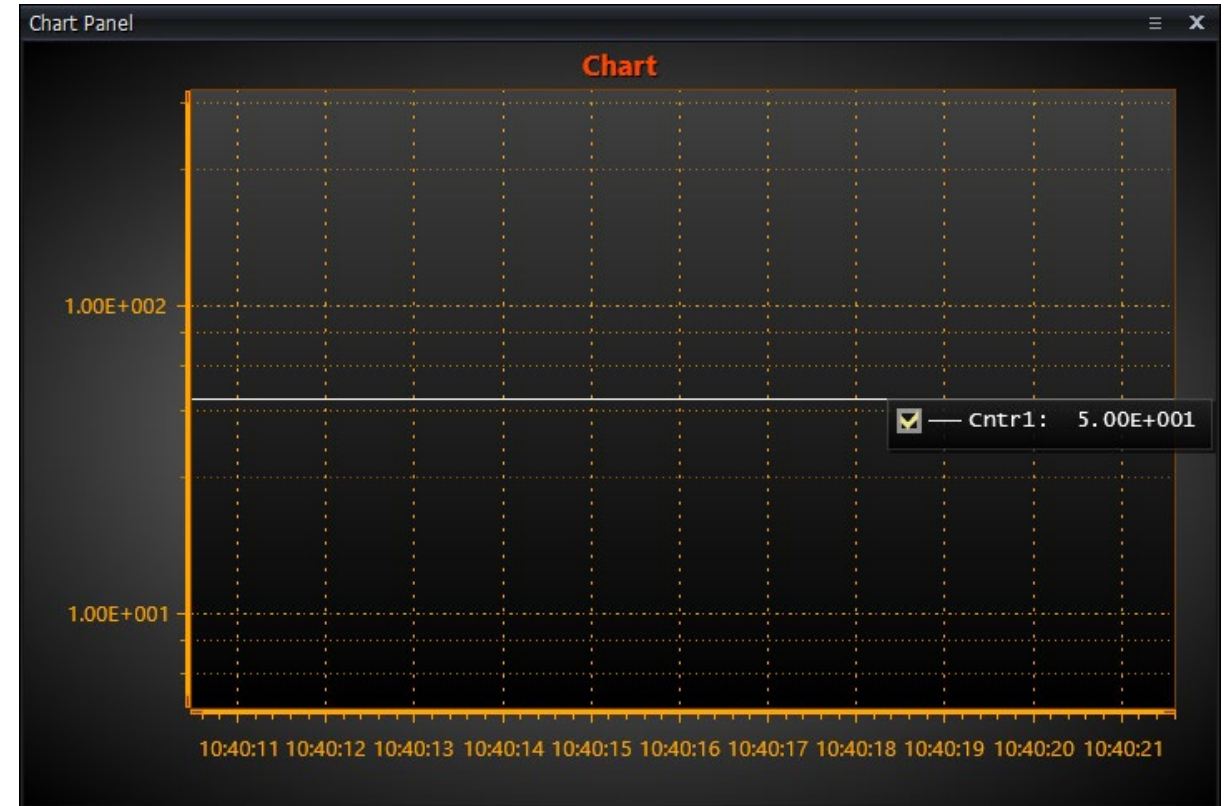
- The ComboBox panel now supports the highlight and invisible appearance states.



AutomationPanel: Panel Updates

- **Chart Panel:**

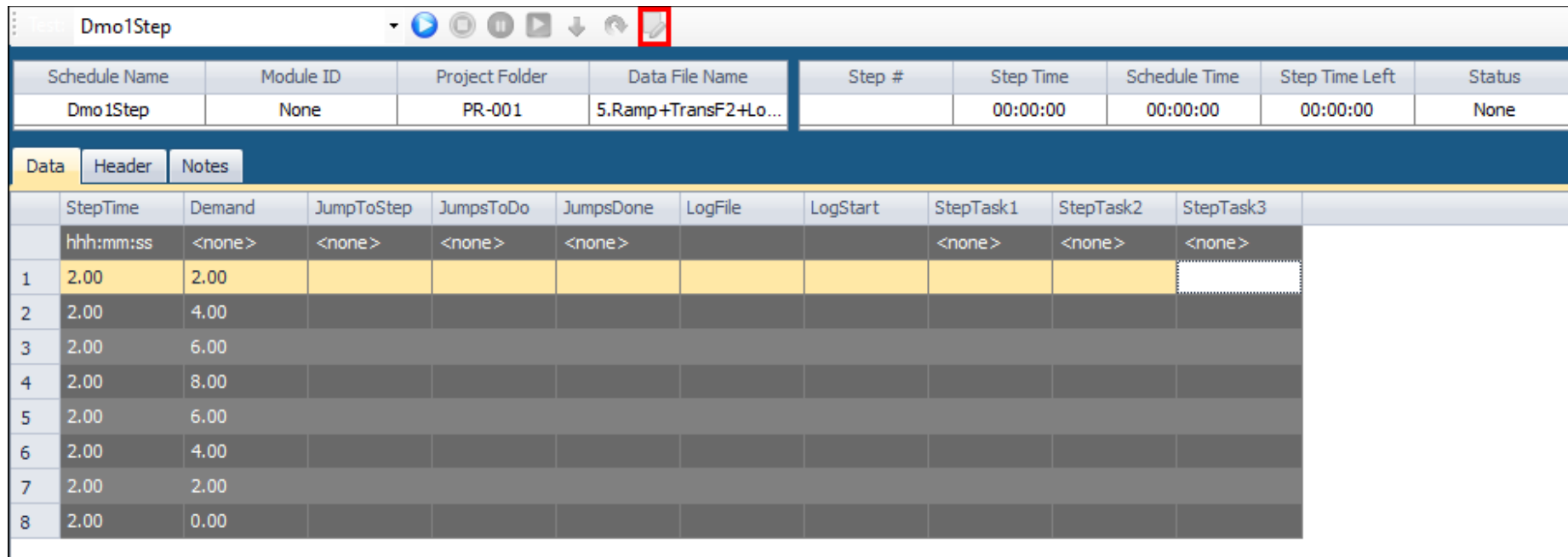
- The Chart panel now supports logarithmic scaling for quantities larger than zero. Logarithmic scaling can be enabled/disabled with the **Scale Type** property. In addition, the **Show Major Grid** and **Show Minor Grid** properties have been added to each axis, allowing you to display grid lines at major and minor ticks.
- The following properties are now automatable for the Chart panel:
 - Maximum Points
 - Scale Type
 - Show Minor Grid
 - Show Major Grid



AutomationPanel: Panel Updates

- **Schedule Viewer Panel:**

- The Schedule Viewer panel now includes the **Disable Edit Schedule** property. This property allows you to disable the ability to open the Schedule editor from the panel.

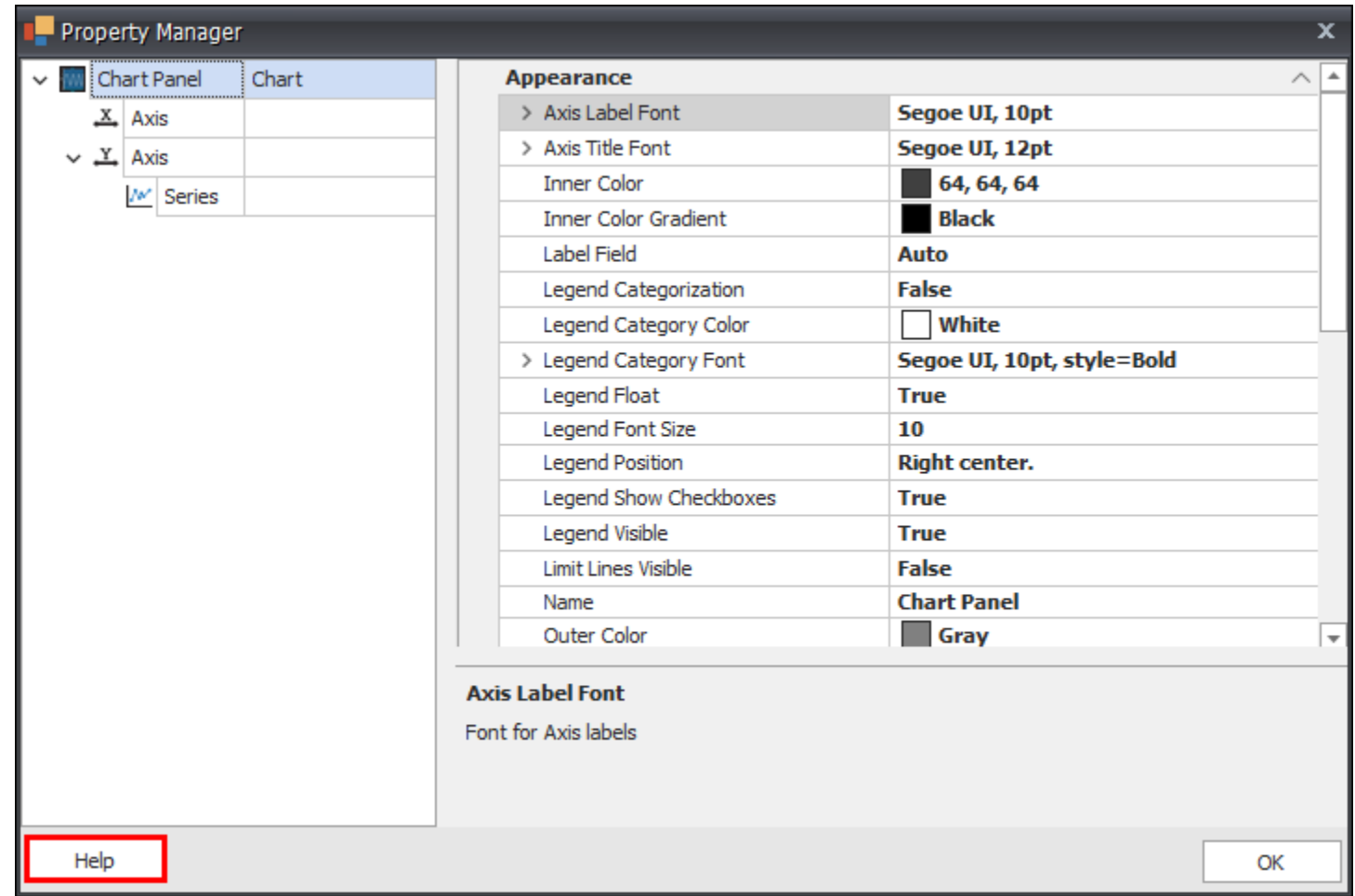


Schedule Name	Module ID	Project Folder	Data File Name	Step #	Step Time	Schedule Time	Step Time Left	Status
Dmo1Step	None	PR-001	5.Ramp+TransF2+Lo...		00:00:00	00:00:00	00:00:00	None

	StepTime	Demand	JumpToStep	JumpsToDo	JumpsDone	LogFile	LogStart	StepTask1	StepTask2	StepTask3
	hhh:mm:ss	<none>	<none>	<none>	<none>			<none>	<none>	<none>
1	2.00	2.00								
2	2.00	4.00								
3	2.00	6.00								
4	2.00	8.00								
5	2.00	6.00								
6	2.00	4.00								
7	2.00	2.00								
8	2.00	0.00								

AutomationPanel: Property Manager

The Property Manager now includes a **Help** button, allowing you to quickly navigate to that panel's help documentation.



- **CANoe Driver:**

- The **MEASUREMENT_STATUS_CHANNEL** advanced setting has been added to the CANoe driver. This setting allows you to specify a channel that will be updated with the CANoe measurement state.
- The CANoe driver now includes a UDP interface.

- **EtherCAT Driver:**

- The EtherCAT driver now supports byte-swapping.
- The **USE_ACTIVE_IO_SETTINGS** advanced setting has been added to the EtherCAT driver. This setting allows you to enable active input/output digital channel definitions.

New INI Settings



The following INI settings have been added:

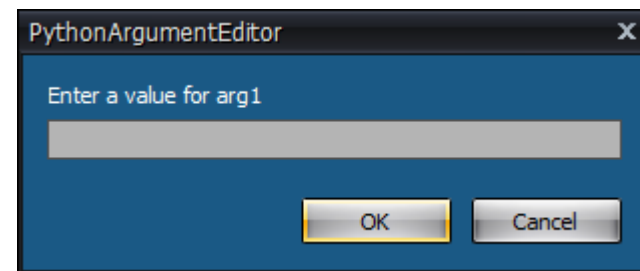
Setting	Location	Description
AutomationPanelDefaultLoadOnStartup	Powertek.ini	When set to TRUE, the default value of the LoadOnStartup property for new layouts will be TRUE. If this setting is missing or empty, then the default value of the LoadOnStartup property will be FALSE.

- **Base Version:**

- The base version of Python has been updated to 3.14.

- **Custom Python Editors:**

- You can now access custom Python editors as well as the Channel Selection dialog from the Python Script Message dialog by including the *PythonEditors.xml* file in the *\$SYSTEMDIR\PythonScripts* folder. This file lets you define each editor and determine whether arguments display a  button in the **Value** column of the Python Script Message dialog. This button may be used to access a custom Python editor or the Channel Selection dialog.

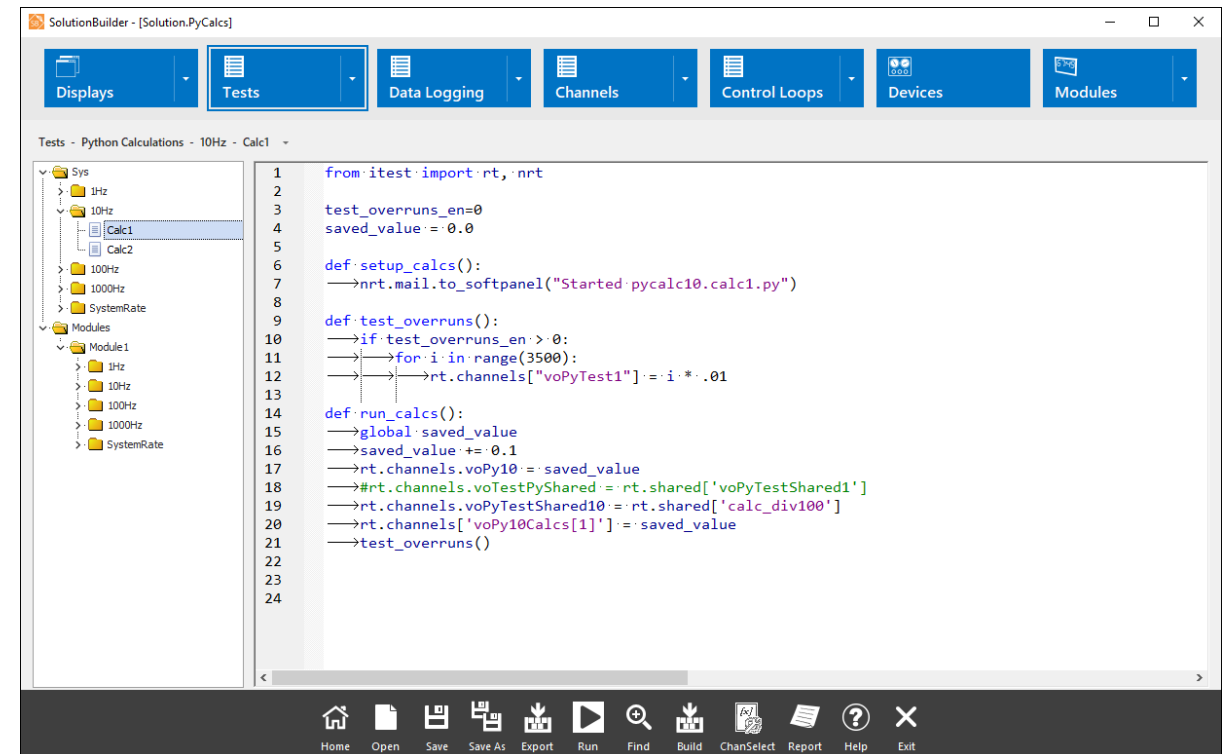


- **Python Calculations:**

- PythonEngine now supports an RT version, allowing it to run on Xenomai systems. Python calculations (i.e., Python scripts) ran on Xenomai systems will be automatically triggered at a pre-defined interval (e.g., 10Hz). These calculations can be managed in SolutionBuilder's Python Calculations editor.

- **Python Functions:** The following Python functions have been added:

- RDBSetValueEU
- GetConfigKeyValue
- SendToDataEngineMailslot
- SendToSoftPanelMailslot
- SendToIViewMailslot
- INIReadValue
- INIWriteValue
- ReadMasterINI
- WriteMasterINI



Additional Updates



- iTest.PLC is now available. This system type provides a simple control system like a PLC; however, it is programmed with Python for quick deployment. iTest.PLC runs in a headless mode, and it utilizes LabCentral's dashboards to monitor data and perform operator actions.
- The *AnDRus.exe* application has been deprecated.

iTest to OS Compatibility Matrix



iTest to OS Compatibility	Windows	Test Automation														
		iTest 4.6	iTest 4.5	iTest 4.4	iTest 4.3	iTest 4.2	iTest 4.1	iTest 4.0	iTest 3.9	iTest 3.8	iTest 3.7	iTest 3.6	iTest 3.5	iTest 3.4	iTest 3.2	iTest pre 3.2
GUI OS	Windows 11 Pro	✓	✓	✓	✓	✓	X	X	X	X	X	X	X	X	X	X
	Windows 10 Pro	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X	X	X	X
	Win 7 Pro 64bit	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	X	X
	Windows XP	X	X	X	X	X	X	X	X	X	X	X	X	✓	✓	✓
RTOS	Xenomai (V1.0 64-bit)	✓	✓	X	X	X	X	X	X	X	X	X	X	X	X	X
	Xenomai (32-bit)	X	X	✓	✓	✓	✓	✓	✓	X	X	X	X	X	X	X
	INtime 7.X	✓	✓	✓	✓	X	X	X	X	X	X	X	X	X	X	X
	INtime 6.3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	X	X	X	X
	INtime 5.2	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	X	X	X
	INtime 4.2	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	X	X
	INtime 3.13	X	X	X	X	X	X	X	✓	✓	✓	✓	✓	✓	✓	X
	VxWorks (VM4500)	X	X	X	X	X	X	X	X	X	X	X	✓	✓	✓	✓
Legend																
Supported									✓							
Not Compatible									X							

OS to RTOS Compatibility Matrix

OS to RTOS Compatibility	Windows	RTOS				
		INtime 7.X	INtime 6.X	INtime 5.2	INtime 4.2	INtime 3.13
Host OS	Windows 11 Pro	✓	X	X	X	X
	Windows 10 Pro	X	✓	X	X	X
	Win 7 Pro 64bit	X	✓	✓	✓	X
	Windows XP	X	O	O	O	✓
Legend						
Supported				✓		
Not Compatible				X		
Unsupported but should work				O		

RTOS to PC Compatibility Matrix

RTOS to PC Compatibility	Windows	RTOS				
		INtime 7.X	INtime 6.X	INtime 5.2	INtime 4.2	INtime 3.13
PC	HP 1HU (Quad core)	X	X	✓	X	X
	Dell 1HU	X	✓	O	O	O
	Lite RT (Quad Core)	X	✓	✓	O	O
	Advantec i7 (6th gen Quad core)	X	✓	X	X	X
	Advantec i7 (3rd gen Quad core)	X	X	X	✓	X
	Advantec Core Duo (Dual Core)	X	X	X	X	✓
	SuperLogics 2U i7 (12th gen 12 Core)	✓	✓	X	X	X
Legend						
Supported				✓		
Not Compatible				X		
Unsupported but should work				O		

iTest Product Life Cycle



Product Version	Year																			
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
iTest 2.3	✓	✓	✓	o	o	o	o	o	x	x	x	x	x	x	x	x	x	x	x	
iTest 3.0	-	-	✓	✓	o	o	o	o	x	x	x	x	x	x	x	x	x	x	x	
iTest 3.1	-	-	-	✓	✓	✓	o	o	o	x	x	x	x	x	x	x	x	x	x	
iTest 3.2	-	-	-	-	✓	✓	✓	o	o	o	x	x	x	x	x	x	x	x	x	
iTest 3.4	-	-	-	-	-	-	✓	✓	o	o	o	x	x	x	x	x	x	x	x	
iTest 3.5	-	-	-	-	-	-	-	✓	✓	o	o	o	x	x	x	x	x	x	x	
iTest 3.6	-	-	-	-	-	-	-	-	✓	✓	o	o	o	x	x	x	x	x	x	
iTest 3.7	-	-	-	-	-	-	-	-	-	✓	✓	o	o	o	x	x	x	x	x	
iTest 3.8	-	-	-	-	-	-	-	-	-	-	✓	✓	o	o	o	x	x	x	x	
iTest 3.9	-	-	-	-	-	-	-	-	-	-	-	✓	✓	o	o	o	x	x	x	
iTest 4.0	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	o	o	o	x	x	
iTest 4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	o	o	o	x	
iTest 4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	o	o	o	
iTest 4.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	o	o	
iTest 4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	o	
iTest 4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	
iTest 4.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	
Legend																				
Current Version											✓									
Bugfix Only											o									
Not Supported											x									
Not Available											-									