



## Software Changes for Revision 3.3.1

### Document Purpose

This document provides an overview of the new functionality and software changes included in revision 3.3.1 relative to the previous revision 3.2.1 for EZChrom SI, Elite and ELITE C/S.

This document may be used to assess the extent of the software changes and determine the appropriate delta qualification and acceptance test activities according to the application-specific requirements of the end-users in their respective work environment.

### Overview

Revision 3.3.1 is a maintenance release for EZChrom Elite 3.2. The primary purpose of this release is to ensure compatibility with newer instrument drivers and prepare for Windows Vista Support.. A new Enterprise migration tool is planned a posteriori, but be an intrinsic part of this release for Elite C/S.

#### Scope of EZChrom Elite 3.3.1 Release

EZChrom Elite 3.3.1 will include functionality added for EZChrom Elite Compact 3.3.0, like the simplified run submission. It also includes support for new instrument drivers for Agilent 1120, 1200 and 7890 (RC.Net 2.0), and updated 3<sup>rd</sup> party drivers. The enterprise migration tool will offer an upgraded patch in complex C/S installations, with minimum instrument downtime.

EZChrom Elite 3.3.1 also includes a number of corrections requested by end-users and Agilent staff. These corrections are listed in the Release Notes.

#### Classification of Software Changes

Changes made to the software for the 3.3.1 release have been assessed for their impact on the software. The definitions for these classifications are below.



<i>Classification</i>	<i>Definition</i>
<i>Major</i>	<p>Software changes with an appreciable effect on the operational characteristics and reliability of the product and its fitness for the intended purpose, relative to the previous version.</p> <p>Major software changes typically warrant full re-qualification of the system and the execution of detailed acceptance tests at least in the affected areas.</p> <p>Examples for major software changes in chromatography data systems are modified or new algorithms, calculation changes, storage format changes for central system functions such as integration or quantification of chromatographic signals.</p> <p>Examples of major software changes for content management systems are changes to file storage mechanisms, or changes to database storage of metadata.</p>
<i>Minor</i>	<p>Changes with no appreciable negative effect on the operational characteristics and reliability of the product and its fitness for the intended purpose relative to the previous version.</p> <p>Minor software changes typically result in one or multiple modified system files. The installation of an update or service release containing minor software changes typically requires the execution of the updated qualification protocols specified and provided by the supplier.</p>

## Recommended Re-qualification Activities

Users who are considering an upgrade to EZChrom Elite 3.3.1 should review this document and check for software changes that may be applicable to their intended use of the software.

### Agilent recommends:

- 1-Verify the installation upgrade on all EZChrom machines by running the Installation Qualification program on each system and attaching the reported to the system validation documents.
- 2-Test the proper functionality of at least one instrument in each system directly connected to instruments.
- 3- In C/S environments, test the functionality of the File Transfer Service. This functionality includes: transferring files to and from the Enterprise path, archiving files, monitoring the cache size, and retrieving files to the cache from permanent storage or archive.

**Functional Areas Affected by EZChrom 3.3.1 Release**

The following functional areas of the software are affected.

Incident or new functionality	Functional Area	Change	Validation Impact
<b>EZChrom Elite</b>			
New	Kanji Japanese	Localization of base product, Agilent LC and Agilent 7890 GC into Kanji Japanese	Major
New	Simplified Chinese	Localization of base product, Agilent LC and Agilent 7890 GC into Simplified Chinese	Major
Incident	Operating system	Windows 2000 support dropped	Minor
New	.NET framework	Software requires .NET Framework 3.0	Minor
New (optional)	Agilent LC	New 1100/1200 driver drop support of GPIB communication. Version SI81	Major
New (optional)	Agilent LC	Added support for 1120 Compact LC version SI81	Major
New (optional)	Agilent GC	Agilent 7890 GC Driver revised to SR2	Major
New (optional)	CTC PAL	CTC PAL driver revised with bug fixes	Major
New (optional)	Hitachi LC	Hitachi LC updated to Hitachi 3.1.8 driver.	Major
New	AIC	New image for RP5000 and Rev B which includes .NET Framework 3.0	Major
New	AIC Upgrade	Upgrade image for RP5000 and Rev B (8.1.204) that will remain AIC configuration.	Major
New	Instrument Window	Single Screen Analysis User Interface that allows simple single run submission similar to feature in Certy Chemical software.	Minor
New	Instrument Window	Real time trace monitor supported by Agilent 1200/1100/1120 LC and Agilent 7890 GC	Minor
New	Instrument Window	Run Queue view enhanced with a single run submission toolbar.	Minor
New	Instrument Window	Run Queue will maintain a history of processed runs. The history is cleared when the instrument is closed. This may impact Automation programs	Major
New	Custom reports	Sequence and method report editor have been combined. The new edit menu is under reports. The method custom report editor will only edit the imbedded method report. Added new set of file menus that allow user to create new and save templates.	Minor
New	Custom reports	Insert fields report menu rearranged into groups for clarity	Minor
New	Security	Can now specify system users from the local workstation NT accounts.	Major



New (optional)	Security	Support full operation without administrator privileges for workstations and clients.	Medium
New	Advance File Security	Added support for AFS on workstations. Now the NT users on the workstation can be used to for AFS protecting data and methods.	Major
New	Calculations	The new Noise and Drift calculation for System suitability and Baseline check	Major
New	Calculations	ASTM Noise calculations added to system. 1) ASTM Short – 30 second interval with signal scaling 2) ASTM Long – 60 second interval with signal scaling 3) Old ASTM Noise name changed to ASTM Short un-scaled	Major
New	Calculations	Drift calculation changed to adjust for the signal scaling	Medium
New	Sequence and runs dialogs	Added selection box to allow user to inject the volume amount specified in the method. The sequence volume column, Sequence wizard volume and single run dialog volume have this support. The 1200/1100/1120 and 7890 drivers support this new functionality.	Medium
New	CSMain	Added an integrated centrally manageable BootP service.	Minor
New	Integration	Extended the graphical retention time window adjustment to support adjusting multiple windows at a time.	Minor