



**T7® 13.1 Release Notes for PEX
Production Version
May 2025**

Revision history

28.04.2025	V1.0: AK: Start DRAFT
30.04.2025	V1.1: AK: Finalization Draft
06.05.2025	V1.2: AK: Public Key Password Encryption, Profile Maint. Error Trader GUI
07.05.2025	V1.3: RM, AK: Final Review

Table of Contents

Overview 4

- T7® Release 13.1 in general 4
- T7® Release 13.1 – Intended Usage..... 5
- T7® Release 13.1 – Services Impact..... 6

Detailed Service description 7

- T7® Central System 7
- T7® Frontend Software (Admin GUI, Clearer GUI, Control GUI, Trader GUI)..... 8
- T7® Member Connectivity 9
- Interexchange Connectivity..... 9
- Alamo Service 9
- Market Maker Supervision Service 9
- Reference Data Administration Service..... 9
- Master Data Reconciliation Service for T7® 13.1..... 9
- Database Replication (DBR) Service & Unload files..... 9
- CEESEG FIX Service for T7® 13.1..... 10
- CEE Trader Service for T7® 13.1..... 10
- Market Monitor Service..... 10
- SupLog Issue Tracking Service 10
- Market Data Services 10
- Index Service..... 10
- Market Maintenance Service 10

OVERVIEW

T7® Release 13.1 in general

The T7® Vienna tradingsystem is upgraded to software Release 13.1 on May 19, 2025.

Time schedule T7® Vienna Release 13.1 Tradingsystem:

T7® 13.1 Simulation Calendar available :	November 29, 2024
T7® 13.1 Simulation kits and manuals available:	March 17, 2025
T7® 13.1 Simulation Conversion (no Simulation):	March 26 to March 30, 2025
T7® 13.1 Simulation End2End Testing ¹	March 31 to April 9, 2025
T7® 13.1 Member Simulation ²	as of April 10, 2025
T7® 13.1 Member Simulation CEESEG FIX	April 14, 2025
T7® 13.1 Member Simulation CEE Trader	April 14, 2025
T7® 13.1 WBAG Member Conformance Test & Readiness Declaration Deadline	May 09, 2025
T7® 13.1 Production kits and manuals available:	April 28, 2025
T7® 13.1 Production date	May 19, 2025

WBAGs Milestone and communication plan is also available in SupLog

<http://ceesuplogs01.wbag.at/suplog/view.php?id=30377>

The WBAG Simulation Calendar is provided via WBAG Xetra® Circulars, via the Closed User Group on WBAGs Website (<https://www.wienerboerse.at/handel/cug-mitglieder-3rd-parties/>) and via SupLog. Please note that the publication of WBAGs Simulation Calendar for the T7® 13.1 Release Simulation depends on the provision of DBAGs Simulation Calendar.

An overview of the functional and technical changes implemented by DBAG is given in the **release description by DBAG** – please see **SupLog** (<http://ceesuplogs01.wbag.at/suplog/view.php?id=30378>). **DBAG** also provides **modifications** of its interfaces either in separated modification announcements or directly in the DBAG interface specification documents (look for “Change Log” chapter).

Please note that WBAG may decide whether functional and technical changes are implemented for WBAG and are offered to Partner Exchanges. However, some changes implemented by DBAG don't offer the possibility to choose for or against an implementation – they are obligatory.

Changes to WBAGs market are communicated in WBAGs Xetra® circulars and in the “Member Meeting” which was held via video conference on March 21, 2025 (in English language). Partner Exchanges received an invitation to the “Member Meeting” and receive WBAG circulars also.

Furthermore, an additional “Release Talk” video conference with Partner Exchanges took place on Wednesday, March 19, 2025, with combined functional and technical focus where the functional and technical scope was presented in rough detail.

¹ Only Market Supervision of PEX and specific test members will have full access to the system, whereas members and ISVs will only have “connectivity access” (e.g. Login/Logout possibility)

² Availability of T7® native interfaces (ETI, DBAG FIX, MDI, EMDI, MDI, RDI, RDF)

T7® Release 13.1 – Intended Usage

The following list contains functional and technical items which are on the agenda of T7® Release 13.1 and describes status quo regarding the intended implementation for WBAG and offer for PEX. Please see “Explanation” column for information on possible impact and related background.

	T7® 13.1 Item	Usage by WBAG	Offered to PEX	Explanation
1	Usage of TLS 1.3. for ETI and FIX LF	Yes	Yes	Already supported, will become mandatory as of March 13, 2026 in Simulation and as of April 27, 2026 in Production
2	Resolving Call Loops in Issuer Trading Model	No	Yes	Call Loops resolution will be available for Issuer Trading Model (ITM) after release start and is available for a Market Model by setting up parameter callTriggerConfig to '1'. One rollover is required for setting up the parameter.

T7® Release 13.1 – Services Impact

This section gives an overview on the services provided to the Partner Exchanges and the impact of the upgrade from T7® 13.0 to T7® 13.1.

W B A G SERVICE	Impact due to T7® Rel. 13.1	Impact short description	SW Changes for Partner Exchanges	Availability Info	Impact on member side	Simulation availability for members
Central T7® system	Y	Please see table T7® 13.1 – Intended Usage	n.a.	31.03.2025	Change in native T7® interfaces – see specs	10.04.2025
T7® Frontend Software	Y	None	None	31.03.2025	Change in native T7® GUIs – see guides	31.03.2025
T7® Exch. Connectivity	N	None	n.a.	as usual	None	n.a.
T7® Member Connectivity	N	Recommendation for TLS 1.3 usage for ETI and FIXLF	n.a.	Already now in Simu and Prod	Switch to TLS 1.3 if ETI or FIX LF is used	Already now
Interexchange Connectivity	N	None	n.a.	as usual	n.a.	n.a.
Alamo	N	None	None	31.03.2025	n.a.	n.a.
Market Maker Supervision	N	None	None	31.03.2025	n.a.	n.a.
Reference Data Admin (RDA)	N		None	31.03.2025	n.a.	n.a.
Master Data Reconciliation (MDR)	N	None	None	31.03.2025	n.a.	n.a.
Database Replication & Unload Files	N	None	None	31.03.2025	n.a.	n.a.
CEESEG FIX Service	Y	T7® 13.0 Compatibility	n.a.	Apr 14, 2025	None	Apr 14, 2025
CEE Trader	N		n.a.	Apr 14, 2025	None	Apr 14, 2025
Market Monitor Tools	N	None	n.a.	31.03.2025	n.a.	n.a.
SupLog	N	None	n.a.	31.03.2025	n.a.	
Market Data Services	N		n.a.	07.04.2025	n.a.	10.04.2025
Index Service	N		None	07.04.2025	n.a.	10.04.2025
Market Maintenance Service	N		n.a.	31.03.2025	n.a.	n.a.

DETAILED SERVICE DESCRIPTION

T7® Central System

With T7® Release 13.1, no significant functional enhancements will be introduced by DBAG on the Cash Market side except small enhancements in the ITM – Issuer Trading Model.

In the Issuer Stream of the Enhanced Trading Interface (ETI), phase information will be added to inform the issuer about chances from Pre-Call to Call phase and vice versa.

In addition, an option is added to allow for display of Issuer quote only during an ITM Call Phase.

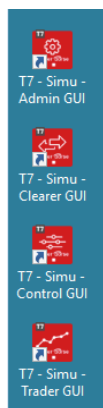
Furthermore – to avoid so called call loops, an option is added which prevents change from pre-call to call if an instrument is sold-out and there is a crossed order book situation without any issuer quote (i.e., no indicative, standard or PWT quote).

T7® Frontend Software (Admin GUI, Clearer GUI, Control GUI, Trader GUI)

Installation of new T7® Frontend SW for T7® 13.1 is done automatically via Oracles JAVA WebStart technology (when GUIs are launched via the landing page mechanism) or via the GUI Launcher, which was implemented by DBAG after Oracle announced a license policy change (see https://java.com/en/download/release_notice.jsp).

By these mechanisms, updated GUI software versions will be downloaded automatically and will replace outdated versions without any further interaction required by the user.

For PEX, WBAG implemented DBAGs new T7® GUI Launcher to access the T7® GUIs. Respective T7® GUI Launch Icons can be found on PEX individual application servers (see screenshot with Simu Access below):



Furthermore, as backup path for GUI access, launch via the “Landing Page” mechanism was re-established using the Microsoft Edge Browser (see below)



A dedicated Shortcut was placed on the desktop of PEX application servers. After click to the Shortcut, Microsoft Edge browser opens and displays T7® GUI Landing page as first page.

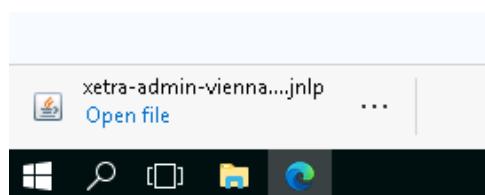
For **Production** please use the links below (this server):

→T7 Admin GUI →T7 Trader GUI →T7 Clearer GUI →T7 Control GUI

For **Production** please use the links below (other server):

→T7 Admin GUI →T7 Trader GUI →T7 Clearer GUI →T7 Control GUI

After click to the GUI, which should be launched, the respective launch file (.jnlp) is downloaded (visible in left bottom corner of the screen. When download is finished, the downloaded jnlp file simply needs to be opened and the respective GUI is started.



For more information on native T7® GUI Access, members should contact WBAGs IT Helpdesk (phone +43-153165-170, 08:00 – 18:00 CET, it_helpdesk@wienerbourse.at) T7® native GUI manuals have already been provided via SupLog (see <http://ceesuplogs01.wbag.at/suplog/view.php?id=30378>)

WBAG Market Operation detected a bug with native T7® Trader GUI. New profiles in this GUI can't be added, existing ones can't be modified and deleted. As software fix for this issue will be delivered Thursday, May 8, evening with effect Friday, May 9.

Release schedule T7® 13.1 - SW provision and manuals:

Provision of manuals for Simulation:	March 17, 2025
Provision of final manuals for Production:	April 28, 2025
Production GO LIVE date:	May 19, 2025

**T7® Member Connectivity**

Usage of TLS 1.3 is strongly recommended to be implemented for native T7® ETI and FIX LF Member Connectivity. However, support of TLS 1.2 was extended by an additional 12 month and will now end in T7® Simulation on March 12, 2026, and in T7® Production on April 27, 2026.

An important change will come with T7® ETI password encryption. With production start of T7® Release 13.1 a new public key for ETI password encryption will be created. This key will have sequence number 3, making key with sequence number 1 obsolete.

To ensure smooth transition to T7® Release 13.1 in production, it is recommended to migrate to the key with sequence number 2 immediately. A logon with the key with sequence number 1 will no longer be possible once the key with sequence number 3 is created.

Password encryption is only required within the Equinix co-location facility for the production environment. The encryption must be done using Deutsche Börse AG's public RSA key.

The latest version of Deutsche Börse AG's public RSA key will be published prior to the connection test on Saturday, 17 May 2025 and can be obtained from a successful ETI session logon response message and on request via <mailto:xetra@wienerboerse.at> directly from WBAG.

Interexchange Connectivity

No changes in Member Connectivity will apply with Xetra T7® 13.1.

Alamo Service

By now no changes have been neither identified by WBAG for T7® 13.1 nor recently requested by PEX. Also "ALAMO.win" GUI will remain unchanged. As WBAG does not use ALAMO and PEX do not use Midpoint, the midpoint Information is not included into Alamo Trade/Ordersearch.

Market Maker Supervision Service

No impact for the service detected so far.

Reference Data Administration Service

No impact for the service detected so far.

Master Data Reconciliation Service for T7® 13.1

No impact for the service detected so far.

Database Replication (DBR) Service & Unload files

No impact for the service detected so far.

**CEESEG FIX Service for T7® 13.1**

Preliminary Version of CEESEG FIX Interface Specification F13.1 (for T7® 13.1) and Delivery Notes was published in calendar week 16, Monday, April 14, 2025. Publication of Production Version is scheduled for Friday, May 9, 2025, latest.

Start of CEESEG FIX Simulation took place on Monday, April 14, 2025, parallel to CEE Trader GUI.

CEE Trader Service for T7® 13.1

CEE Trader availability in Simulation is linked to CEESEG FIX availability and will take place on Monday, April 14, 2025, consequently. Notification on availability will be sent out to CEE Trader and CEESEG FIX clients via circular. Please note that there are currently no plans to provide a new frontend version with this release.

Market Monitor Service

No impact for the service detected so far.

SupLog Issue Tracking Service

No impact for the service detected so far.

Market Data Services

No changes in ADH Message Layout are triggered with T7® 13.1. Please contact our Market Data Services Team (+43-1-53165-288, datafeed@wienerboerse.at) for further information about future ADH extensions.

Index Service

No impact for the service detected so far.

Market Maintenance Service

No impact for service except for extended functionality rolled out with T7® 13.1. WBAG did detect issues during internal End-to-End testing, mitigation will be worked out together with DBAG and PEX.

WBAG Market Operations can be consulted directly (+43-1-53165-500, trading@wienerboerse.at, supLOG) in case of any further questions on current Market Operation Services and WBAGs internal functional handling and utilization of new features coming with T7® 13.1.