



DEUTSCHE BÖRSE
CASH MARKET

T7 Release 11.1

Preliminary Release Notes

for the Trading Venues Xetra and Börse Frankfurt

Version 1.2

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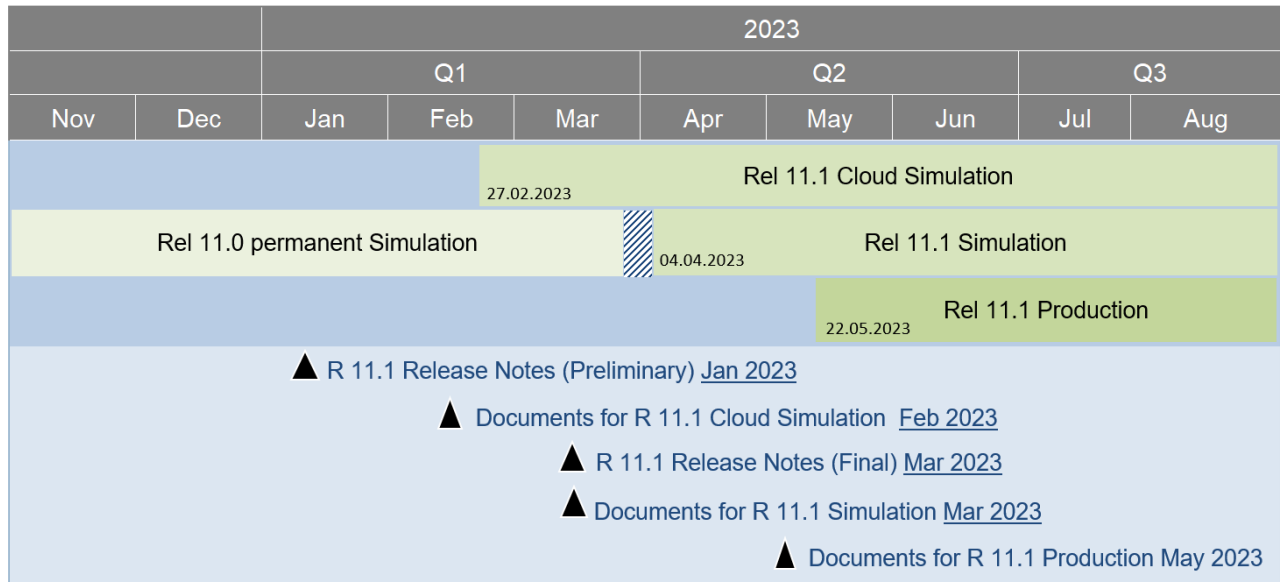
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1. Overview of T7 Release 11.1

Deutsche Börse AG is planning to launch T7 Release 11.1 on 22 May 2023.

The following diagram gives an overview of the introduction schedule:



Deutsche Börse AG provides a dedicated release simulation environment to give trading participants the opportunity to perform comprehensive testing of their trading applications independent from the T7 production environment.

The simulation period for T7 Release 11.1 is planned to start on 04 April 2023.

In addition, and prior to the T7 release simulation, Deutsche Börse AG offers a T7 Release 11.1 Cloud Simulation to allow trading participants and Independent Software Vendors (ISVs) to test the T7 Release 11.1 ETI, FIX LF interface, as well as RDI, MDI, EMDI and EOBI interface changes. In the Cloud Simulation, participants can initiate predefined market scenarios and test specific strategies more easily than in a shared environment. The Cloud Simulation is available around the clock for a fixed price per hour and is planned to start on 27 February 2023.

For more information on the T7 Cloud Simulation, please refer to <http://www.xetra.com/xetra-en/technology/t7/cloud-simulation>.

1.1 New Features and Enhancements Overview

The following new main features and enhancements will be introduced with T7 Release 11.1:

	Relevant for	
	T7 Xetra	T7 Börse Frankfurt
Password Encryption for ETI	X	X

1.2 Note on Interfaces

T7 Release 11.1 will provide backwards compatibility for the T7 ETI/FIX LF interface version 11.0, i.e. participants who do not want to use the new functionality will still be able to connect to T7 with the interface layout version 11.0 even after the production launch of T7 Release 11.1.

Public market and reference data interfaces, including EOBI, EMDI, MDI, RDI/RDF, as well as reports and data files, will not provide backwards compatibility.

1.3 Further Reading

The existing documents have been or will be revised for T7 Release 11.1. The following table provides an overview of the schedule for the publication:

T7 Release 11.1	Derivatives Markets	Cash Markets	Combined	2023				
				Jan	Feb	Mar	Apr	May
T7 Release 11.1 - Release Notes	x	x		◆		●		
T7 Functional Reference			x			●		
T7 Functional and Interface Overview			x			●		
T7 Participant Simulation Guide			x			●		
T7 Cross System Traceability			x			●		
T7 Incident Handling Guide			x			●		
T7 Participant and User Maintenance Manual	x	x				●		
Contract Notes Description		x						●
T7 Known Limitations			x			■		●
T7 Trader, Admin and Clearer GUI – User Manual	x	x				■		●
T7 Trader, Admin and Clearer GUI – Installation Manual			x			●		
T7 Enhanced Trading Interface – Manual incl. XSD, XML Representation and Layouts			x		◆	■		●
T7 FIX LF – Manual incl. XML Representation and FIX Repository			x		◆	■		●
T7 Market, - Enhanced Order Book- and Reference Data Interfaces Manual incl. Fast Message Template, Repository & FIXML Schema Files			x		◆	■		●
T7 Extended Market Data Services – Manual incl. Fast Message Template and Underlying Ticker Data			x			■		●
Cash Market Instrument Reference Data Guide		x				●		
T7 XML Report Reference Manual			x			■		●
Common Report and Upload Engine User Guide			x			●		
Exchange Rules & Regulations		x						●
Market Models		x						●

◆ Cloud Simulation / Preliminary Version ■ Simulation Version ● Production / Final Version

Please note that the outlined schedule is subject to change.

The documents will be available on the Xetra website www.xetra.com under the path:

> Technology > T7 Trading Architecture > System Documentation > Release 11.1

1.4 Contacts

If you have any questions or require further information, please contact your Global Key Account Manager Trading. Alternatively, please contact your Technical Key Account Manager using your VIP number or via e-mail to: cts@deutsche-boerse.com.

1.5 Definitions and Abbreviations

Term/Abbreviation	Description
Börse Frankfurt	Trading venue of FWB, where equities, bonds, ETFs, ETCs, ETNs and funds are traded including Börse Frankfurt Zertifikate marketplace
DBAG	Deutsche Börse AG
EMDI	T7 Enhanced price level netted Market Data Interface
EOBI	T7 Enhanced Order Book Market Data Interface
ETI	T7 Enhanced Trading Interface
FIX LF	Financial Information eXchange (protocol) Low Frequency interface
FWB	Frankfurter Wertpapierbörse
GUI	Graphical User Interface
LIS	Large in Scale; TES type
MDI	T7 netted price level aggregated Market Data Interface
RDF	T7 Reference Data File
RDI	T7 Reference Data Interface
T7	The trading architecture developed by Deutsche Börse Group
TES	T7 Entry Service
UTC	Coordinated Universal Time
XETR	Market Identifier Code (MIC) of trading venue T7 Xetra
XFRA	Market Identifier Code (MIC) of trading venue T7 Börse Frankfurt including Börse Frankfurt Zertifikate marketplace

2. Password Encryption for ETI

Xetra will introduce several changes regarding data transmission via the T7 trading interfaces in order to meet regulatory requirements as information transmitted via public communication networks is subject to the risk of unauthorised interception, manipulation, or misuse, and as credentials have to be encrypted always (see also circular 045/22 of 06 September 2022).

The regulation on Critical Infrastructures (KRITIS) enforced by the Federal Office for Information Security (Bundesamt für Sicherheit in der Informationstechnik – BSI) specifies that Deutsche Börse needs to adhere to the requirements, which include the encryption of data during transfer via public networks respectively the encryption of credentials in all networks.

In the context of these changes, Xetra will provide with T7 Release 11.1 an additional login option for both sessions and users for the T7 Enhanced Trading Interface (ETI). It will be password padded by the current UTC timestamp, encrypted with Deutsche Börse's public RSA key, and base64 encoded. The public key will be published in the Member Section of the Xetra Website.

The upcoming *Network Access Guide* and Xetra ETI documentation for T7 Release 11.1 will provide more details.

The new login option with password encryption will become mandatory with a later T7 Release. The schedule will be published in due time via circular.

3. Change Log

No	Date	Log entry
1.1	15 December 2022	Publication.
1.2	13. January 2023	Updated the simulation start date from 29 March to 04 April