X-pand into the Future

eurex circular 130/17

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Recipients: All Trading Participants of Eurex Deutschland and Eurex Zürich and Vendors
Authorized by: Randolf Roth

T7 Release 6.0: Introduction timeline for partition-specific gateways

Related Eurex circulars: 122/17, 051/2017

Contact: Your Technical Key Account Manager (TKAM) via your VIP number,
or via: cts@deutsche-boerse.com

Content may be most important for:	**Attachments:**
➲ All departments	none

As previously announced in Eurex circular 122/17, Deutsche Börse will start the migration to partition-specific (PS) gateways after the introduction of T7 Release 6.0.

To allow Market Participants more time to prepare their setup and to avoid conflicts with the introduction of MiFID II, Eurex will postpone the original introduction timeline for PS gateways in T7 production by six weeks.

This circular provides details of the revised timeline.

Eurex Deutschland
Börsenplatz 4
60313 Frankfurt/Main
Mailing address:
60485 Frankfurt/Main
Germany

Internet:
www.eurexchange.com

Management Board:
Thomas Book, Mehtap Dinc,
Erik Tim Müller, Michael Peters,
Randolf Roth

ARBN: 101 013 361

T7 Release 6.0: Introduction timeline for partition-specific gateways

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1 Revised timeline for introduction of partition-specific gateways

The partition-specific gateways will be introduced in a stepwise approach following the launch of T7 Release 6.0.

T7 6.0 Simulation

Partition-specific gateways were already introduced in T7 6.0 simulation for partition 1 & 2 (Derivatives) and partition 30 & 31 (Cash) for co-location on 10 October 2017.

T7 6.0 Production, revised

- Step 1 – Parallel setup of PS gateway for futures partition 4

  22 January 2018: The first PS gateway will be enabled for Eurex partition 4 (hosting FGBM and FDXM) in parallel to the existing high frequency gateways.
- Step 2 – Disable HF gateways for futures partition 4

  12 February 2018: access to partition 4 via high-frequency gateways will be disabled
- Step 3 – Parallel setup of PS gateway for options partition 9

  19 February 2018: A PS gateway will be enabled for Eurex partition 9 (hosting options) in parallel to the existing high-frequency gateways in (a week after step 2).
- Step 4 – Disable HF gateways for options partition 9

  26 February 2018: Access to partition 9 via high-frequency gateways will be disabled.
- Step 5 – PS gateway only for the remaining Eurex partitions

  5 March 2018: PS gateway only access will be enabled for all other Eurex partitions. PS gateways are the only low latency access to all partitions from this point forward.

2 ETI Connection Process, high level summary

In order to establish a session with a trading gateway, a TCP/IP connection to a connection gateway must be established first. The connection gateway provides the connection parameters for the assigned primary/secondary HF/LF gateways or the active/standby partition-specific (PS) gateways to be used for trading purposes. This process is described on a high level in the diagram below.

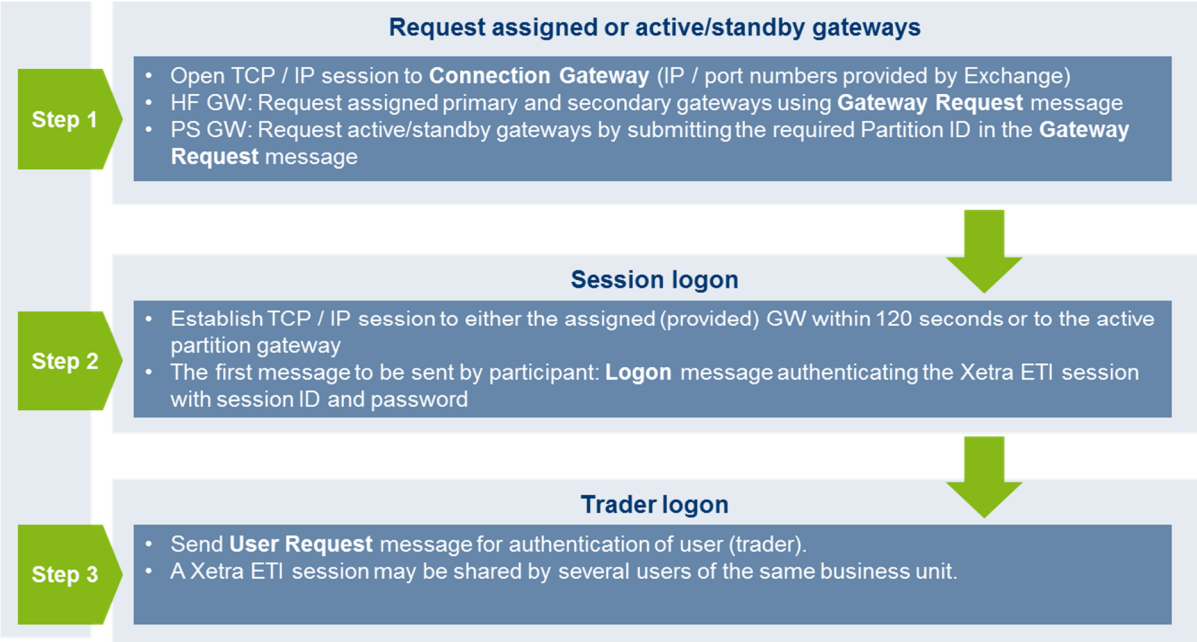


Figure 1: T7 ETI session logon process

Please note: For high frequency sessions the field “PartitionID” (5948) in the Connection Gateway Request has to be filled with the valid ID of an existing partition (“0” is not a valid partition ID and will be rejected).

For low frequency sessions or high frequency sessions which are not using the partition specific gateways yet, the field “PartitionID” (5948) must be filled with the correct No Value for this datatype (0xFFFF for unsigned int of length 2).

3 Further reading

The information provided in Eurex circular 122/17 except for the timeline remains valid.

For details on gateway IP addresses and gateway location (side A/ side B), please consult chapter 6.1.1 of the document N7 Network Access Guide, which can be found on the Eurex website www.eurexchange.com following this path:

Technology > T7 Trading architecture > System documentation > Release 6.0 > Network Access

A more detailed discussion of the partition specific gateways can be found on page 20 and following of the document “Insights into trading system dynamics“, which can be found on the Eurex website by following this path:

Technology > High-frequency trading

If you have any questions regarding the changes, please contact your Technical Key Account Manager via your VIP number or send an e-mail to: cts@deutsche-boerse.com.

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