X-pand into the Future

e u r e x *circular 176/14*

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Recipients: All Trading Participants of Eurex Deutschland and Eurex Zürich and Vendors
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⚠ Action required

Extension of the multicast address groups to be used for the T7 market data interfaces

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

Summary:

To provide more capacity for future usage, Eurex will extend the multicast address groups which will be used for the T7 market data interfaces. The extension of the multicast address ranges applies to both the simulation and production environments and the appropriate network changes will be made during the course of September 2014.

For the extension of the multicast ranges, Eurex plans to reuse some of the multicast groups originally used by the old Enhanced Broadcast Solution interface which was decommissioned at the end of 2013. The definitions for the new multicast groups are as follows:

From	To	Interface	Environment	Stream
224.0.29.0	224.0.29.63	Enhanced Market Data Interface (EMDI)	Production	A
224.0.29.64	224.0.29.71	Extended Market Data Service (EMDS)	Production	A
224.0.29.72	224.0.29.79	Market Data Interface (MDI)	Production	A
224.0.29.80	224.0.29.87	Extended Market Data Service (EMDS)	Simulation	A
224.0.29.88	224.0.29.95	Market Data Interface (MDI)	Simulation	A
224.0.29.96	224.0.29.127	Enhanced Market Data Interface (EMDI)	Simulation	A

From	To	Interface	Environment	Stream
224.0.30.0	224.0.30.63	Enhanced Market Data Interface (EMDI)	Production	B
224.0.30.64	224.0.30.71	Extended Market Data Service (EMDS)	Production	B
224.0.30.72	224.0.30.79	Market Data Interface (MDI)	Production	B
224.0.30.80	224.0.30.87	Extended Market Data Service (EMDS)	Simulation	B
224.0.30.88	224.0.30.95	Market Data Interface (MDI)	Simulation	B
224.0.30.96	224.0.30.127	Enhanced Market Data Interface (EMDI)	Simulation	B

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Extension of the multicast address groups to be used for the T7 market data interfaces

To be able to reuse the old multicast groups for Eurex T7, any old configurations for the Eurex Enhanced Broadcast Solution need to be removed and the new groups allocated to the T7 configuration on Participant routers.

The configuration modification detailed below relates to Cisco IOS and assumes that the access-list names as provided by Eurex for the Eurex Enhanced Broadcast Solution and Eurex Market Data Interface were used. If other names were used then they need to be amended accordingly.

Please note: if new routers were used for the implementation of T7 or if the Enhanced Broadcast Solution configuration has already been deleted, the old Eurex Enhanced Broadcast Solution configuration may not be present.

As Eurex does not supply a standard configuration for 10Gbit/s co-location installations, Participants will have to adapt the changes as necessary to their respective installations.

The following example only applies to Eurex T7 MIC installations:

```
!  Eurex T7 MIC Participant Router Modifications ----------
! A Side Router

! remove old Eurex EnBS config, if present

no ip pim rp-address 193.29.95.252 EbsA
no ip access-list standard EbsA

! add new Eurex T7 info.

ip access-list standard emdi_eebs_A
permit 224.0.29.0 0.0.0.127

! <production>

ip access-list standard emdi_prod_A
permit 224.0.29.0 0.0.0.63
permit 224.0.29.64 0.0.0.7
permit 224.0.29.72 0.0.0.7

! <simulation>

ip access-list standard emdi_simu_A
permit 224.0.29.80 0.0.0.7
permit 224.0.29.88 0.0.0.7
permit 224.0.29.96 0.0.0.31

! B Side Router

!remove old Eurex EnBS config, if present.

no ip pim rp-address 193.29.95.253 EbsB
no ip access-list standard EbsB
!add new Eurex T7 info.
```

ip access-list standard emdi_eebs_B
permit 224.0.30.0 0.0.0.127
! <production>
ip access-list standard emdi_prod_B
permit 224.0.30.0 0.0.0.63
permit 224.0.30.64 0.0.0.7
permit 224.0.30.72 0.0.0.7
! <simulation>
ip access-list standard emdi_simu_B
permit 224.0.30.80 0.0.0.7
permit 224.0.30.88 0.0.0.7
permit 224.0.30.96 0.0.0.31

If you have any further questions, please contact your Technical Key Account Manager using your VIP number or via e-mail to: cts@eurexchange.com.

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