X-pand into the Future

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Eurex Exchange's new trading architecture: Optimisation of the multicast address assignment for the Reference Data Interface and Enhanced Market Data Interface

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

Summary:

To provide a higher degree of flexibility in subscribing to reference/market data and enable optimal bandwidth utilisation, Eurex will modify the assignment of the multicast addresses for the dissemination of reference data via the Eurex Reference Data Interface (Eurex RDI) and market data via the Eurex Enhanced Market Data Interface (Eurex EMDI) of Eurex Exchange's new trading architecture.

Following the configuration changes, snapshot and incremental messages will be disseminated via separate multicast address and port combinations.

The multicast address ranges as described in "Network Access to the New Trading Architecture" document, will remain unchanged. In addition, the ports currently used for the snapshots and incremental messages including those used to distinguish between US restricted and US non-restricted products, will also remain unchanged. The document is available for download from the Eurex website www.eurexchange.com under the following path:

Technology > New trading architecture > System Documentation > Network Access

The configuration changes will become effective in the simulation environment from **16 January 2013** and in the production environment from **28 January 2013** onwards.

The product reference data will be modified accordingly to reflect the new multicast addresses.

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The following tables provide an overview of the changes for the Reference Data Interface (Eurex RDI) and Enhanced Market Data Interface (Eurex EMDI) for both the simulation and production environments.

Simulation Environment:

Reference Data Interface (snapshot): (OLD ** = ** NEW **)**

		MC Address (Snapshot A) ** OLD **	MC Address (Snapshot A) ** NEW **	Port	MC Address (Snapshot B) ** OLD **	MC Address (Snapshot B) ** NEW **	Port
RDI	Reference Data Interface	224.0.50.96	224.0.50.96	59598	224.0.50.224	224.0.50.224	59598

Reference Data Interface (incremental):

		MC Address (Incr. A) ** OLD **	MC Address (Incr. A) ** NEW **	Port	MC Address (Incr. B) ** OLD **	MC Address (Incr. B) ** NEW **	Port
RDI	Reference Data Interface	224.0.50.96	224.0.50.97	59599	224.0.50.224	224.0.50.225	59599

Market Data (snapshots):

Product Type	Product Group	MC Address (Snapshot A) ** OLD **	MC Address (Snapshot A) ** NEW **	Ports	MC Address (Snapshot B) ** OLD **	MC Address (Snapshot B) ** NEW **	Ports
RDI	Reference Data Interface	224.0.50.96	224.0.50.96	59598	224.0.50.224	224.0.50.224	59598
DEFAULT	Default	224.0.50.97	224.0.50.98	59500 / 59532*	224.0.50.225	224.0.50.226	59500 / 59532*
OFIX	Equity Options	224.0.50.98	224.0.50.100	59500 / 59532*	224.0.50.226	224.0.50.228	59500 / 59532*
FBND	Fixed Income Futures (eg) FGBX, CONF	224.0.50.99	224.0.50.102	59500 / 59532*	224.0.50.227	224.0.50.230	59500 / 59532*
FCRD	Hurricane Futures	224.0.50.100	224.0.50.104	59500 / 59532*	224.0.50.228	224.0.50.232	59500 / 59532*
FENE	EEX Futures and Options	224.0.50.101	224.0.50.106	59500 / 59532*	224.0.50.229	224.0.50.234	59500 / 59532*
FINT	Money Market Futures and Options	224.0.50.102	224.0.50.108	59500 / 59532*	224.0.50.230	224.0.50.236	59500 / 59532*
FINX	all other Sector/Equity Index Futures	224.0.50.103	224.0.50.110	59500 / 59532*	224.0.50.231	224.0.50.238	59500 / 59532*
FSTK	All Single Stock Futures	224.0.50.104	224.0.50.112	59500 / 59532*	224.0.50.232	224.0.50.240	59500 / 59532*
FVOL	Volatility Index Futures	224.0.50.105	224.0.50.114	59500 / 59532*	224.0.50.233	224.0.50.242	59500 / 59532*
OFBD	Fixed Income Derivatives	224.0.50.106	224.0.50.116	59500 / 59532*	224.0.50.234	224.0.50.244	59500 / 59532*
OINX	all other Sector/Equity Index Futures	224.0.50.107	224.0.50.118	59500 / 59532*	224.0.50.235	224.0.50.246	59500 / 59532*
OSTK	Stock Options	224.0.50.108	224.0.50.120	59500 / 59532*	224.0.50.236	224.0.50.248	59500 / 59532*

* US restricted

Market Data (incremental):

Product Type	Product Group	MC Address (Incr. A) ** OLD **	MC Address (Incr. A) ** NEW **	Ports	MC Address (Incr. B) ** OLD **	MC Address (Incr. B) ** NEW **	Ports
RDI	Reference Data Interface	224.0.50.96	224.0.50.97	59599	224.0.50.224	224.0.50.225	59599
DEFAULT	Default	224.0.50.97	224.0.50.99	59501 / 59533*	224.0.50.225	224.0.50.227	59501 / 59533*
OFIX	Equity Options	224.0.50.98	224.0.50.101	59501 / 59533*	224.0.50.226	224.0.50.229	59501 / 59533*
FBND	Fixed Income Futures (eg) FGBX, CONF	224.0.50.99	224.0.50.103	59501 / 59533*	224.0.50.227	224.0.50.231	59501 / 59533*
FCRD	Hurricane Futures	224.0.50.100	224.0.50.105	59501 / 59533*	224.0.50.228	224.0.50.233	59501 / 59533*
FENE	EEX Futures and Options	224.0.50.101	224.0.50.107	59501 / 59533*	224.0.50.229	224.0.50.235	59501 / 59533*
FINT	Money Market Futures and Options	224.0.50.102	224.0.50.109	59501 / 59533*	224.0.50.230	224.0.50.237	59501 / 59533*
FINX	all other Sector/Equity Index Futures	224.0.50.103	224.0.50.111	59501 / 59533*	224.0.50.231	224.0.50.239	59501 / 59533*
FSTK	All Single Stock Futures	224.0.50.104	224.0.50.113	59501 / 59533*	224.0.50.232	224.0.50.241	59501 / 59533*
FVOL	Volatility Index Futures	224.0.50.105	224.0.50.115	59501 / 59533*	224.0.50.233	224.0.50.243	59501 / 59533*
OFBD	Fixed Income Derivatives	224.0.50.106	224.0.50.117	59501 / 59533*	224.0.50.234	224.0.50.245	59501 / 59533*
OINX	all other Sector/Equity Index Futures	224.0.50.107	224.0.50.119	59501 / 59533*	224.0.50.235	224.0.50.247	59501 / 59533*
OSTK	Stock Options	224.0.50.108	224.0.50.121	59501 / 59533*	224.0.50.236	224.0.50.249	59501 / 59533*

* US restricted

Production Environment:

Reference Data Interface (snapshot): (OLD ** = ** NEW **)**

		MC Address (Snapshot A) ** OLD **	MC Address (Snapshot A) ** NEW **	Port	MC Address (Snahshot B) ** OLD **	MC Address (Snahshot B) ** NEW **	Port
RDI	Reference Data Interface	224.0.50.0	224.0.50.0	59098	224.0.50.128	224.0.50.128	59098

Reference Data Interface (incremental):

		MC Address (Incr. A) ** OLD **	MC Address (Incr. A) ** NEW **	Port	MC Address (Incr. B) ** OLD **	MC Address (incr. B) ** NEW **	Port
RDI	Reference Data Interface	224.0.50.0	224.0.50.1	59099	224.0.50.128	224.0.50.129	59099

Market Data Interface (snapshot):

Product Type	Product Group	MC Address (Snapshot A) ** OLD **	MC Address (Snapshot A) ** NEW **	Port	MC Address (Snapshot B) ** OLD **	MC Address (Snapshot B) ** NEW **	Port
FCRD	Hurricane Futures	224.0.50.4	224.0.50.8	59000 / 59032*	224.0.50.132	224.0.50.136	59000 / 59032*
FINX	all other Sector/Equity Index Futures	224.0.50.7	224.0.50.14	59000 / 59032*	224.0.50.135	224.0.50.142	59000 / 59032*

* US restricted

Market Data Interface (incremental):

Product Type	Product Group	MC Address (Incr. A) ** OLD **	MC Address (Incr. A) ** NEW **	Port	MC Address (Incr. B) ** OLD **	MC Address (incr. B) ** NEW **	Port
FCRD	Hurricane Futures	224.0.50.4	224.0.50.9	59001 / 59033*	224.0.50.132	224.0.50.137	59001 / 59033*
FINX	all other Sector/Equity Index Futures	224.0.50.7	224.0.50.15	59001 / 59033*	224.0.50.135	224.0.50.143	59001 / 59033*

* US restricted

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

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