

GTP004 – Parameters Guide

GROUP TICKER PLANT

Issue E1.2 | 31 JAN 2022

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1. THIS GUIDE



The purpose of this document is to provide an overview of the various product parameters required to enable customer connections to, and for interaction with, the Group Ticker Plant. This includes network topology information and replay and recovery parameters.

1.1 Readership

This document is particularly relevant to trading, market data and technical teams within member firms, information vendors and other market participants who currently receive or are interested in receiving Borsa Italiana market data.

When read in conjunction with other Group Ticker Plant documents it is intended to provide all required information to develop to, and interact with, our real-time information systems.

1.2 Document Series

This guide, **GTP004 – Parameters Guide**, forms part of the documentation library supporting those clients interacting with the Group Ticker Plant. For information, the full series of currently available documentation is outlined below:

- GTP001 – Product Guide;
- GTP002 – Technical Guide (this document);
- GTP003 – Statistics Guide;
- GTP004 – Parameters Guide;
- GTP005 – Testing Guide;
- GTP006 – External Sources Guide;
- GTP007 – GTP Lite Guide.
- GTP008 – Market Attributes Guide

The full library of Group Ticker Plant documentation for Borsa Italiana can be found at:

Group Ticker Plant - Borsa Italiana

1.3 Document History

This document has been subject to the following iterations:

Issue	Date	Description
E1.0	5 October 2021	Document Rebrand
E1.1	<u>15 October 2021</u>	Updated CDS IP addresses and MTA market rebranding
E1.2	<u>31 January 2022</u>	<u>Updated CDS and Legacy CDS Source Multicast IP addresses for primary and secondary services</u>

In subsequent issues of this document, where amendments have been made, these changes will be indicated through the use of **red text**.

1.4 Enquiries

For further information on Group Ticker Plant, please contact either your Technical Account Manager or Client Technology Services (Italy):

- Telephone: (+39) 02 42 41 13 99
- Telephone (Toll Free): (00800) 26 77 20 00
- Email: **clients-services@borsaitaliana.it**

2. CDS



2.1 Customers Development Environment (CDS)

Location	Milan
Access	Extranex, BltNet (via. LSEG backbone), Customer-Managed Connectivity (CMC), Exchange Hosting - London, Exchange Hosting –Milan (via. LSEG backbone).
Description	To provide a functional environment for client testing. CDS is not a performant environment and in an effort to protect client and Group networks, outbound throttle rates are set low. Customers should not expect to performance test systems using this environment.

2.2 CDS IP Address Ranges – Level 1

Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	GTP Lite Service		Replay Service		Recovery Service	
					Virtual IP Address	Port	Virtual IP Address	Port	Virtual IP Address	Port
Primary Feed										
H	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.81	224.4.12.71	61400	212.239.27.22	53671	212.239.27.20	53471	212.239.27.20	54471
I	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.12.72			53672		53472		54472
J	Structured Products		224.4.12.73			53673		53473		54473
K	Miscellaneous		224.4.12.74			53674		53474		54474
L	IDEM		224.4.12.75			53675		53475		54475
M	IDEM		224.4.12.76			53676		53476		54476
Q	EuroTLX		224.4.12.77			53677		53477		54477
R	EuroTLX		224.4.12.78			53678		53478		54478
S	EuroTLX		224.4.12.79			53679		53479		54479
Z	TAH		224.4.12.86			53686		53486		54486

Secondary Feed

h	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.97	224.4.13.71	61450	212.239.27.27	53671	212.239.27.23	53471	212.239.27.23	54471
i	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.13.72			53672		53472		54472
j	Structured Products		224.4.13.73			53673		53473		54473
k	Miscellaneous		224.4.13.74			53674		53474		54474
l	IDEM		224.4.13.75			53675		53475		54475
m	IDEM		224.4.13.76			53676		53476		54476
q	EuroTLX		224.4.13.77			53677		53477		54477
r	EuroTLX		224.4.13.78			53678		53478		54478
s	EuroTLX		224.4.13.79			53679		53479		54479
z	TAH		224.4.13.86			53686		53486		54486

2.3 CDS IP Address Ranges – MBO

					GTP Lite Service		Replay Service		Recovery Service	
Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	Virtual IP Address	Port	Virtual IP Address	Port	Virtual IP Address	Port
Primary Feed										
H	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.81	224.4.12.8	61400	212.239.27.22	53608	212.239.27.20	53408	212.239.27.20	54408
I	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.12.9			53609		53409		54409
J	Structured Products		224.4.12.10			53610		53410		54410
K	Miscellaneous		224.4.12.11			53611		53411		54411
L	IDEM		224.4.12.12			53612		53412		54412
M	IDEM		224.4.12.13			53613		53413		54413
Q	EuroTLX		224.4.12.14			53614		53414		54414
R	EuroTLX		224.4.12.15			53615		53415		54415
S	EuroTLX		224.4.12.16			53616		53416		54416
Z	TAH		224.4.12.23			53623		53423		54423

Secondary Feed

h	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.97	224.4.13.8	61450	212.239.27.27	53608	212.239.27.23	53408	212.239.27.23	54408
i	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.13.9			53609		53409		54409
j	Structured Products		224.4.13.10			53610		53410		54410
k	Miscellaneous		224.4.13.11			53611		53411		54411
l	IDEM		224.4.13.12			53612		53412		54412
m	IDEM		224.4.13.13			53613		53413		54413
q	EuroTLX		224.4.13.14			53614		53414		54414
r	EuroTLX		224.4.13.15			53615		53415		54415
s	EuroTLX		224.4.13.16			53616		53416		54416
z	TAH		224.4.13.23			53623		53423		54423

2.4 CDS IP Address Ranges – MBP

Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	GTP Lite Service		Replay Service		Recovery Service	
					Virtual -IP Address	Port	Virtual -IP Address	Port	Virtual -IP Address	Port
Primary Feed										
H	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.81	224.4.12.38	61400	212.239.27.22	53638	212.239.27.20	53438	212.239.27.20	54438
I	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.12.39			53639		53439		54439
J	Structured Products		224.4.12.40			53640		53440		54440
K	Miscellaneous		224.4.12.41			53641		53441		54441
L	IDEM		224.4.12.42			53642		53442		54442
M	IDEM		224.4.12.43			53643		53443		54443
Q	EuroTLX		224.4.12.44			53644		53444		54444
R	EuroTLX		224.4.12.45			53645		53445		54445
S	EuroTLX		224.4.12.46			53646		53446		54446
Z	TAH		224.4.12.53			53653		53453		54453

Secondary Feed

h	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.97	224.4.13.38	61450	212.239.27.27	53638	212.239.27.23	53438	212.239.27.23	54438
i	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.13.39			53639		53439		54439
j	Structured Products		224.4.13.40			53640		53440		54440
k	Miscellaneous		224.4.13.41			53641		53441		54441
l	IDEM		224.4.13.42			53642		53442		54442
m	IDEM		224.4.13.43			53643		53443		54443
q	EuroTLX		224.4.13.44			53644		53444		54444
r	EuroTLX		224.4.13.45			53645		53445		54445
s	EuroTLX		224.4.13.46			53646		53446		54446
z	TAH		224.4.13.53			53653		53453		54453

2.5 CDS IP Address Ranges – Level 2 Incremental (Full-depth)

Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	GTP Lite Service		Replay Service		Recovery Service	
					Virtual-IP Address	Port	Virtual-IP Address	Port	Virtual-IP Address	Port
Primary Feed										
H	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.81	224.4.12.109	61400	212.239.27.22	53709	212.239.27.20	53509	212.239.27.20	54509
I	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.12.110			53710		53510		54510
J	Structured Products		224.4.12.111			53711		53511		54511
K	Miscellaneous		224.4.12.112			53712		53512		54512
L	IDEM		224.4.12.113			53713		53513		54513
M	IDEM		224.4.12.114			53714		53514		54514
Q	EuroTLX		224.4.12.115			53715		53515		54515
R	EuroTLX		224.4.12.116			53716		53516		54516
S	EuroTLX		224.4.12.117			53717		53517		54517
Z	TAH		224.4.12.124			53724		53524		54524

Secondary Feed

h	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.97	224.4.13.109	61450	212.239.27.27	53709	212.239.27.23	53509	212.239.27.23	54509
i	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.13.110			53710		53510		54510
j	Structured Products		224.4.13.111			53711		53511		54511
k	Miscellaneous		224.4.13.112			53712		53512		54512
l	IDEM		224.4.13.113			53713		53513		54513
m	IDEM		224.4.13.114			53714		53514		54514
q	EuroTLX		224.4.13.115			53715		53515		54515
r	EuroTLX		224.4.13.116			53716		53516		54516
s	EuroTLX		224.4.13.117			53717		53517		54517
z	TAH		224.4.13.124			53724		53524		54524

2.6 CDS IP Address Ranges – MiFID II Post Trade Channels

Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	GTP Lite Service		Replay Service		Recovery Service	
					Virtual IP Address	Port	Virtual IP Address	Port	Virtual IP Address	Port
Primary Feed										
H	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.81	224.4.0.71	61400	212.239.27.22	53908	212.239.27.20	53808	212.239.27.20	54808
I	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.0.72			53909		53809		54809
J	Structured Products		224.4.0.73			53910		53810		54810
K	Miscellaneous		224.4.0.74			53911		53811		54811
L	IDEM		224.4.0.75			53912		53812		54812
M	IDEM		224.4.0.76			53913		53813		54813
Q	EuroTLX		224.4.0.77			53914		53814		54814
R	EuroTLX		224.4.0.78			53915		53815		54815
S	EuroTLX		224.4.0.79			53916		53816		54816
Z	TAH		224.4.0.86			53923		53823		54823

Secondary Feed

h	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.97	224.4.1.71	61450	212.239.27.27	53908	212.239.27.23	53808	212.239.27.23	54808
i	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.1.72			53909		53809		54809
j	Structured Products		224.4.1.73			53910		53810		54810
k	Miscellaneous		224.4.1.74			53911		53811		54811
l	IDEM		224.4.1.75			53912		53812		54812
m	IDEM		224.4.1.76			53913		53813		54813
q	EuroTLX		224.4.1.77			53914		53814		54814
r	EuroTLX		224.4.1.78			53915		53815		54815
s	EuroTLX		224.4.1.79			53916		53816		54816
z	TAH		224.4.1.86			53923		53823		54823

2.7 CDS IP Address Ranges – Other Service Lines

Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	GTP Lite Service		Replay Service		Recovery Service	
					Virtual-IP Address	Port	Virtual-IP Address	Port	Virtual-IP Address	Port
Primary Feed										
O	FTSE Indices - Italy	212.239.27.81	224.4.12.99	61400	212.239.27.22	53699	212.239.27.20	53499	212.239.27.20	
P	Borsa Admin		224.4.12.98							53698
Secondary Feed										
o	FTSE Indices - Italy	212.239.27.97	224.4.13.99	61450	212.239.27.27	53699	212.239.27.23	53499	212.239.27.23	
p	Borsa Admin		224.4.13.98							53698

2.8 CDS Replay and Recovery Service Parameters

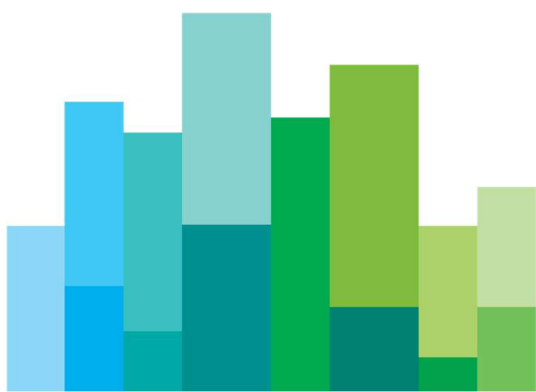
	Description	Value
Replay Service	Maximum number of messages available to clients on replay services	65,000 messages
	Maximum number of logins available to clients	3,000 logins/day
	Maximum number of replay requests	5,000 requests/day
	Maximum number of concurrent outstanding requests queued	10 requests
Recovery Service	Maximum number of logins available to clients	3,000 logins/day
	Maximum number of recovery requests	5,000 requests/day
	Maximum number of concurrent outstanding requests queued	10 requests

3. LEGACY CDS



3.1 Legacy Customer Development Service (LCDS)

Location	Milan
Access	Extranet, BitNet (via. LSEG backbone), Customer-Managed Connectivity (CMC), Exchange Hosting - London, Exchange Hosting –Milan (via. LSEG backbone).
Description	Legacy CDS is offered in addition to the standard CDS environment. The purpose of Legacy CDS is to allow client testing against the current production code. As with standard CDS, this is not a performant environment. Customers should not expect to performance test systems using this environment.



3.2 Legacy CDS IP Address Ranges – Level 1

Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	GTP Lite Service		Replay Service		Recovery Service	
					Virtual -IP Address	Port	Virtual -IP Address	Port	Virtual -IP Address	Port
Primary Feed										
H	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.82	224.4.16.71	61400	212.239.27.38	53671	212.239.27.37	53471	212.239.27.37	54471
I	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.16.72			53672		53472		54472
J	Structured Products		224.4.16.73			53673		53473		54473
K	Miscellaneous		224.4.16.74			53674		53474		54474
L	IDEM		224.4.16.75			53675		53475		54475
M	IDEM		224.4.16.76			53676		53476		54476
Q	EuroTLX		224.4.16.77			53677		53477		54477
R	EuroTLX		224.4.16.78			53678		53478		54478
S	EuroTLX		224.4.16.79			53679		53479		54479
Z	TAH		224.4.16.86			53686		53486		54486



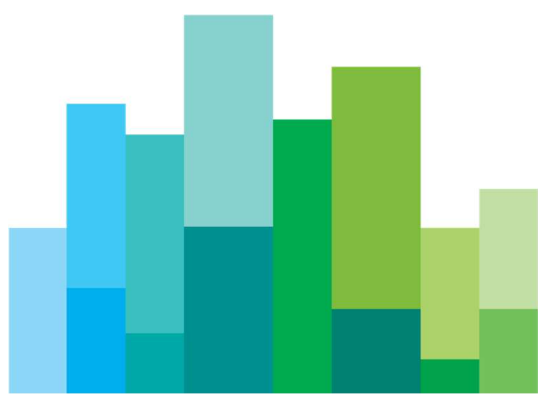
Secondary Feed

h	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.98	224.4.17.71	61450	212.239.27.62	53671	212.239.27.41	53471	212.239.27.41	54471
i	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.17.72			53672		53472		54472
j	Structured Products		224.4.17.73			53673		53473		54473
k	Miscellaneous		224.4.17.74			53674		53474		54474
l	IDEM		224.4.17.75			53675		53475		54475
m	IDEM		224.4.17.76			53676		53476		54476
q	EuroTLX		224.4.17.77			53677		53477		54477
r	EuroTLX		224.4.17.78			53678		53478		54478
s	EuroTLX		224.4.17.79			53679		53479		54479
z	TAH		224.4.17.86			53686		53486		54486

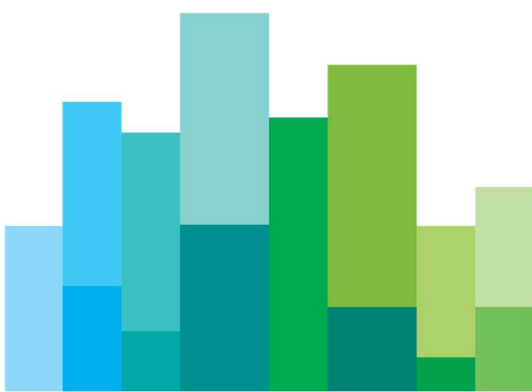


3.3 Legacy CDS IP Address Ranges – MBO

					GTP Lite Service		Replay Service		Recovery Service	
Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	Virtua I-IP Address	Port	Virtua I-IP Address	Port	Virtua I-IP Address	Port
Primary Feed										
H	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.82	224.4.16.8	61400	212.239.27.38	53608	212.239.27.37	53408	212.239.27.37	54408
I	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.16.9			53609		53409		54409
J	Structured Products		224.4.16.10			53610		53410		54410
K	Miscellaneous		224.4.16.11			53611		53411		54411
L	IDEM		224.4.16.12			53612		53412		54412
M	IDEM		224.4.16.13			53613		53413		54413
Q	EuroTLX		224.4.16.14			53614		53414		54414
R	EuroTLX		224.4.16.15			53615		53415		54415
S	EuroTLX		224.4.16.16			53616		53416		54416
Z	TAH		224.4.16.23			53623		53423		54423



Secondary Feed										
h	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.98	224.4.17.8	61450	212.239.27.62	53608	212.239.27.41	53408	212.239.27.41	54408
i	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.17.9			53609		53409		54409
j	Structured Products		224.4.17.10			53610		53410		54410
k	Miscellaneous		224.4.17.11			53611		53411		54411
l	IDEM		224.4.17.12			53612		53412		54412
m	IDEM		224.4.17.13			53613		53413		54413
q	EuroTLX		224.4.17.14			53614		53414		54414
r	EuroTLX		224.4.17.15			53615		53415		54415
s	EuroTLX		224.4.17.16			53616		53416		54416
z	TAH		224.4.17.23			53623		53423		54423



3.4 Legacy CDS IP Address Ranges – MBP

					GTP Lite Service		Replay Service		Recovery Service	
Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	Virtual -IP Address	Port	Virtual -IP Address	Port	Virtual -IP Address	Port
Primary Feed										
H	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.82	224.4.16.38	61400	212.239.27.38	53638	212.239.27.37	53438	212.239.27.37	54438
I	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.16.39			53639		53439		54439
J	Structured Products		224.4.16.40			53640		53440		54440
K	Miscellaneous		224.4.16.41			53641		53441		54441
L	IDEM		224.4.16.42			53642		53442		54442
M	IDEM		224.4.16.43			53643		53443		54443
Q	EuroTLX		224.4.16.44			53644		53444		54444
R	EuroTLX		224.4.16.45			53645		53445		54445
S	EuroTLX		224.4.16.46			53646		53446		54446
Z	TAH		224.4.16.53			53653		53453		54453



Secondary Feed

h	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.98	224.4.17.38	61450	212.239.27.62	53638	212.239.27.41	53438	212.239.27.41	54438
i	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.17.39			53639		53439		54439
j	Structured Products		224.4.17.40			53640		53440		54440
k	Miscellaneous		224.4.17.41			53641		53441		54441
l	IDEM		224.4.17.42			53642		53442		54442
m	IDEM		224.4.17.43			53643		53443		54443
q	EuroTLX		224.4.17.44			53644		53444		54444
r	EuroTLX		224.4.17.45			53645		53445		54445
s	EuroTLX		224.4.17.46			53646		53446		54446
z	TAH		224.4.17.53			53653		53453		54453



3.5 Legacy CDS IP Address Ranges – Level 2 Incremental (Full-depth)

Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	GTP Lite Service		Replay Service		Recovery Service	
					Virtual IP Address	Port	Virtual IP Address	Port	Virtual IP Address	Port
Primary Feed										
H	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.82	224.4.16.109	61400	212.239.27.38	53709	212.239.27.37	53509	212.239.27.37	54509
I	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.16.110			53710		53510		54510
J	Structured Products		224.4.16.111			53711		53511		54511
K	Miscellaneous		224.4.16.112			53712		53512		54512
L	IDEM		224.4.16.113			53713		53513		54513
M	IDEM		224.4.16.114			53714		53514		54514
Q	EuroTLX		224.4.16.115			53715		53515		54515
R	EuroTLX		224.4.16.116			53716		53516		54516
S	EuroTLX		224.4.16.117			53717		53517		54517



Z	TAH		224.4.16.124			53724		53524		54524
Secondary Feed										
h	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.98	224.4.17.109	61450	212.239.27.62	53709	212.239.27.41	53509	212.239.27.41	54509
i	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.17.110			53710		53510		54510
j	Structured Products		224.4.17.111			53711		53511		54511
k	Miscellaneous		224.4.17.112			53712		53512		54512
l	IDEM		224.4.17.113			53713		53513		54513
m	IDEM		224.4.17.114			53714		53514		54514
q	EuroTLX		224.4.17.115			53715		53515		54515
r	EuroTLX		224.4.17.116			53716		53516		54516
s	EuroTLX		224.4.17.117			53717		53517		54517
z	TAH		224.4.17.124			53724		53524		54524



3.6 Legacy CDS IP Address Ranges – MiFID II Post Trade Channels

Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	GTP Lite Service		Replay Service		Recovery Service	
					Virtual IP Address	Port	Virtual IP Address	Port	Virtual IP Address	Port
Primary Feed										
H	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.82	224.4.16.136	61400	212.239.27.38	53908	212.239.27.37	53808	212.239.27.37	54808
I	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.16.137			53909		53809		54809
J	Structured Products		224.4.16.138			53910		53810		54810
K	Miscellaneous		224.4.16.139			53911		53811		54811
L	IDEM		224.4.16.140			53912		53812		54812
M	IDEM		224.4.16.141			53913		53813		54813
Q	EuroTLX		224.4.16.142			53914		53814		54814
R	EuroTLX		224.4.16.143			53915		53815		54815
S	EuroTLX		224.4.16.144			53916		53816		54816

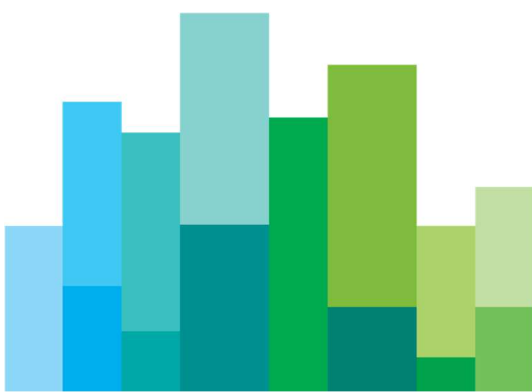


Z	TAH		224.4.16.151			53923		53823		54823
Secondary Feed										
h	EURONEXT MILAN (MTA) – FTSEMIB Stocks	212.239.27.98	224.4.17.136	61450	212.239.27.62	53908	212.239.27.41	53808	212.239.27.41	54808
i	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.17.137			53909		53809		54809
j	Structured Products		224.4.17.138			53910		53810		54810
k	Miscellaneous		224.4.17.139			53911		53811		54811
l	IDEM		224.4.17.140			53912		53812		54812
m	IDEM		224.4.17.141			53913		53813		54813
q	EuroTLX		224.4.17.142			53914		53814		54814
r	EuroTLX		224.4.17.143			53915		53815		54815
s	EuroTLX		224.4.17.144			53916		53816		54816
z	TAH		224.4.17.151			53923		53823		54823



3.7 Legacy CDS IP Address Ranges – Other Service Lines

					GTP Lite Service		Replay Service		Recovery Service	
Gro-up	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	Virtual-IP Address	Port	Virtual-IP Address	Port	Virtual-IP Address	Port
Primary Feed										
O	FTSE Indices - Italy	212.239.27.82	224.4.16.95	61400	212.239.27.38	53699	212.239.27.37	53499	212.239.27.37	
P	Borsa Admin		224.4.16.98			53698		53498		54498
Secondary Feed										
o	FTSE Indices - Italy	212.239.27.98	224.4.17.95	61450	212.239.27.62	53699	212.239.27.41	53499	212.239.27.41	
p	Borsa Admin		224.4.13.98			53698		53498		54498



3.8 Legacy CDS Replay and Recovery Service Parameters

	Description	Value
Replay Service	Maximum number of messages available to clients on replay services	65,000 messages
	Maximum number of logins available to clients	3,000 logins/day
	Maximum number of replay requests	5,000 requests/day
	Maximum number of concurrent outstanding requests queued	10 requests
Recovery Service	Maximum number of logins available to clients	3,000 logins/day
	Maximum number of recovery requests	5,000 requests/day
	Maximum number of concurrent outstanding requests queued	10 requests



4. PRODUCTION



4.1 Production Environment Description

Location	Milan
Access	Extranex, NSP, Customer-Managed Connectivity (CMC), Exchange Hosting – London. BltNet, Exchange Hosting – Milan.
Description	The Production instance of Group Ticker Plant in Milan is available to clients from 0545 (Local Milan Time) and will broadcast messages from 0500 (Local Milan Time).

4.2 Production IP Address Ranges – Level 1

Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	GTP Lite Service		Replay Service		Recovery Service	
					Virtual -IP Address	Port	Virtual -IP Address	Port	Virtual -IP Address	Port
Primary Feed										
H	EURONEXT MILAN (MTA) – FTSEMIB Stocks	194.169.5.55	224.4.10.199	60400	194.169.5.37	62871	194.169.5.35	63871	194.169.5.35	64871
I	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.10.200			62872		63872		64872
J	Structured Products		224.4.10.201			62873		63873		64873
K	Miscellaneous		224.4.10.202			62874		63874		64874
L	IDEM		224.4.10.203			62875		63875		64875
M	IDEM		224.4.10.204			62876		63876		64876
Q	EuroTLX		224.4.10.205			62877		63877		64877
R	EuroTLX		224.4.10.206			62878		63878		64878
S	EuroTLX		224.4.10.207			62879		63879		64879
Z	TAH		224.4.10.214			62886		63886		64886
Secondary Feed										

h	EURONEXT MILAN (MTA) – FTSEMIB Stocks	194.169.5.125	224.4.11.199	60400	194.169.5.102	62871	194.169.5.100	63871	194.169.5.100	64871
i	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.11.200			62872		63872		64872
j	Structured Products		224.4.11.201			62873		63873		64873
k	Miscellaneous		224.4.11.202			62874		63874		64874
l	IDEM		224.4.11.203			62875		63875		64875
m	IDEM		224.4.11.204			62876		63876		64876
q	EuroTLX		224.4.11.205			62877		63877		64877
r	EuroTLX		224.4.11.206			62878		63878		64878
s	EuroTLX		224.4.11.207			62879		63879		64879
z	TAH and MiFID	224.4.11.214	62886	63886	64886					

4.3 Production IP Address Ranges – MBO

					GTP Lite Service		Replay Service		Recovery Service	
Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	Virtual IP Address	Port	Virtual IP Address	Port	Virtual IP Address	Port
Primary Feed										
H	EURONEXT MILAN (MTA) – FTSEMIB Stocks	194.169.5.55	224.4.10.136	60400	194.169.5.37	62808	194.169.5.35	63808	194.169.5.35	64808
I	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.10.137			62809		63809		64809
J	Structured Products		224.4.10.138			62810		63810		64810
K	Miscellaneous		224.4.10.139			62811		63811		64811
L	IDEM		224.4.10.140			62812		63812		64812
M	IDEM		224.4.10.141			62813		63813		64813
Q	EuroTLX		224.4.10.142			62814		63814		64814
R	EuroTLX		224.4.10.143			62815		63815		64815
S	EuroTLX		224.4.10.144			62816		63816		64816
Z	TAH		224.4.10.151			62823		63823		64823
Secondary Feed										

h	EURONEXT MILAN (MTA) – FTSEMIB Stocks	194.169.5.125	224.4.11.136	60400	194.169.5.102	62808	194.169.5.100	63808	194.169.5.100	64808
i	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.11.137			62809		63809		64809
j	Structured Products		224.4.11.138			62810		63810		64810
k	Miscellaneous		224.4.11.139			62811		63811		64811
l	IDEM		224.4.11.140			62812		63812		64812
m	IDEM		224.4.11.141			62813		63813		64813
q	EuroTLX		224.4.11.142			62814		63814		64814
r	EuroTLX		224.4.11.143			62815		63815		64815
s	EuroTLX		224.4.11.144			62816		63816		64816
z	TAH and MiFID		224.4.11.151			62823		63823		64823

4.4 Production IP Address Ranges – MBP

Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	GTP Lite Service		Replay Service		Recovery Service	
					Virtual -IP Address	Port	Virtual -IP Address	Port	Virtual -IP Address	Port
Primary Feed										
H	EURONEXT MILAN (MTA) – FTSEMIB Stocks	194.169.5.55	224.4.10.167	60400	194.169.5.37	62839	194.169.5.35	63839	194.169.5.35	64839
I	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.10.168			62840		63840		64840
J	Structured Products		224.4.10.169			62841		63841		64841
K	Miscellaneous		224.4.10.170			62842		63842		64842
L	IDEM		224.4.10.171			62843		63843		64843
M	IDEM		224.4.10.172			62844		63844		64844
Q	EuroTLX		224.4.10.173			62845		63845		64845
R	EuroTLX		224.4.10.174			62846		63846		64846
S	EuroTLX		224.4.10.175			62847		63847		64847
Z	TAH		224.4.10.182			62854		63854		64854
Secondary Feed										

h	EURONEXT MILAN (MTA) – FTSEMIB Stocks	194.169.5.125	224.4.11.167	60400	194.169.5.102	62839	194.169.5.100	63839	194.169.5.100	64839
i	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.11.168			62840		63840		64840
j	Structured Products		224.4.11.169			62841		63841		64841
k	Miscellaneous		224.4.11.170			62842		63842		64842
l	IDEM		224.4.11.171			62843		63843		64843
m	IDEM		224.4.11.172			62844		63844		64844
q	EuroTLX		224.4.11.173			62845		63845		64845
r	EuroTLX		224.4.11.174			62846		63846		64846
s	EuroTLX		224.4.11.175			62847		63847		64847
z	TAH and MiFID		224.4.11.182			62854		63854		64854

4.5 Production IP Address Ranges – Level 2 Incremental (Full-depth)

					GTP Lite Service		Replay Service		Recovery Service	
Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	Virtual -IP Address	Port	Virtual -IP Address	Port	Virtual -IP Address	Port
Primary Feed										
H	EURONEXT MILAN (MTA) – FTSEMIB Stocks	194.169.5.55	224.4.10.237	60400	194.169.5.37	62909	194.169.5.35	63909	194.169.5.35	64909
I	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.10.238			62910		63910		64910
J	Structured Products		224.4.10.239			62911		63911		64911
K	Miscellaneous		224.4.10.240			62912		63912		64912
L	IDEM		224.4.10.241			62913		63913		64913
M	IDEM		224.4.10.242			62914		63914		64914
Q	EuroTLX		224.4.10.243			62915		63915		64915
R	EuroTLX		224.4.10.244			62916		63916		64916
S	EuroTLX		224.4.10.245			62917		63917		64917
Z	TAH		224.4.10.252			62924		63924		64924

Secondary Feed

h	EURONEXT MILAN (MTA) – FTSEMIB Stocks	194.169.5.125	224.4.11.237	60400	194.169.5.102	62909	194.169.5.100	63909	194.169.5.100	64909
i	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.11.238			62910		63910		64910
j	Structured Products		224.4.11.239			62911		63911		64911
k	Miscellaneous		224.4.11.240			62912		63912		64912
l	IDEM		224.4.11.241			62913		63913		64913
m	IDEM		224.4.11.242			62914		63914		64914
q	EuroTLX		224.4.11.243			62915		63915		64915
r	EuroTLX		224.4.11.244			62916		63916		64916
s	EuroTLX		224.4.11.245			62917		63917		64917
z	TAH and MiFID		224.4.11.252			62924		63924		64924

4.6 Production IP Address Ranges – MiFID II Post Trade Channels

Group	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	GTP Lite Service		Replay Service		Recovery Service	
					Virtual -IP Address	Port	Virtual -IP Address	Port	Virtual -IP Address	Port
Primary Feed										
H	EURONEXT MILAN (MTA) – FTSEMIB Stocks	194.169.5.55	224.4.0.129	60400	194.169.5.37	62929	194.169.5.35	63929	194.169.5.35	64929
I	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.0.130			62930		63930		64930
J	Structured Products		224.4.0.131			62931		63931		64931
K	Miscellaneous		224.4.0.132			62932		63932		64932
L	IDEM		224.4.0.133			62933		63933		64933
M	IDEM		224.4.0.134			62934		63934		64934
Q	EuroTLX		224.4.0.135			62935		63935		64935
R	EuroTLX		224.4.0.136			62936		63936		64936
S	EuroTLX		224.4.0.137			62937		63937		64937
Z	TAH and MiFID		224.4.0.138			62938		63938		64938

Secondary Feed

h	EURONEXT MILAN (MTA) – FTSEMIB Stocks	194.169.5.125	224.4.1.129	60400	194.169.5.102	62929	194.169.5.100	63929	194.169.5.100	64929
i	EURONEXT MILAN (MTA) – Non FTSEMIB Stocks and SEDEX		224.4.1.130			62930		63930		64930
j	Structured Products		224.4.1.131			62931		63931		64931
k	Miscellaneous		224.4.1.132			62932		63932		64932
l	IDEM		224.4.1.133			62933		63933		64933
m	IDEM		224.4.1.134			62934		63934		64934
q	EuroTLX		224.4.1.135			62935		63935		64935
r	EuroTLX		224.4.1.136			62936		63936		64936
s	EuroTLX		224.4.1.137			62937		63937		64937
z	TAH		224.4.1.138			62938		63938		64938

4.7 Production IP Address Ranges – Other Service Lines

					GTP Lite Service		Replay Service		Recovery Service	
Gro-up	Multicast Channel	Multicast Source IP Address	Multicast Address	Port	Virtual-IP Address	Port	Virtual-IP Address	Port	Virtual-IP Address	Port
Primary Feed										
O	FTSE Indices - Italy	194.169.5.55	224.4.10.224	61400	194.169.5.37	62896	194.169.5.35	63896	194.169.5.35	
P	Borsa Admin		224.4.10.226		194.169.5.37	62898		194.169.5.35		63898
Secondary Feed										
o	FTSE Indices - Italy	194.169.5.125	224.4.11.224	61400	194.169.5.102	62896	194.169.5.100	63896	194.169.5.100	
p	Borsa Admin		224.4.11.226		194.169.5.102	62898		194.169.5.100		63898

4.8 Production Replay and Recovery Service Parameters

	Description	Value
Replay Service	Maximum number of messages available to clients on replay services	65,000 messages
	Maximum number of logins available to clients	3,000 logins/day
	Maximum number of replay requests	5,000 requests/day
	Maximum number of concurrent outstanding requests queued	10 requests
Recovery Service	Maximum number of logins available to clients	3,000 logins/day
	Maximum number of recovery requests	5,000 requests/day
	Maximum number of concurrent outstanding requests queued	10 requests

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