

**Nasdaq Nordic**

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**Genium INET Connectivity Information**

Version 1.4 | 11 JANUARY 2017



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# 1. IP ADDRESSING

Nasdaq Nordic uses public registered IP addresses. Each FIX session is individually addressed. Please contact [MS.GI@nasdaq.com](mailto:MS.GI@nasdaq.com) for further information.

The market data group identifiers for example “A-X” is in conjunction with the Market Data feed presentations available on Nasdaq website.

<http://www.nasdaqomx.com/transactions/technicalinformation/geniuminet/protocolspecifications>

## 1.1. Production (Primary Site)

Site A Primary	IP / MC Address	Port-Range	Purpose
OMnet Order entry	159.79.82.1	TCP 8024	Trading applications
OMnet Order entry Trouble Shooting	159.79.82.1	TCP 8031	Used for trouble shooting
OMnet Clearing	159.79.82.2	TCP 8024	Clearing applications
OMnet Clearing Trouble Shooting	159.79.82.1	TCP 8031	Used for trouble shooting
FIX Order entry for <b>Eq Derivatives</b>	159.79.84.0/25	TCP 17000-17399	Primary FIX Gateway
FIX Order entry failover for <b>Eq Derivatives</b>	159.79.84.0/25	TCP 17000-17399	Secondary FIX Gateway
FIX Drop Copy for <b>Eq Derivatives</b>	159.79.84.0/25	TCP 19000-19399	Primary FIX Gateway
FIX Drop Copy failover for <b>Eq Derivatives</b>	159.79.84.0/25	TCP 19000-19399	Secondary FIX Gateway
FIX Order entry for <b>Commodities</b>	159.79.84.0/25	TCP 17400-17599	Primary FIX Gateway
FIX Order entry failover for <b>Commodities</b>	159.79.84.0/25	TCP 17400-17599	Secondary FIX Gateway
FIX Drop Copy for <b>Commodities</b>	159.79.84.0/25	TCP 19400-19599	Primary FIX Gateway
FIX Drop Copy failover for <b>Commodities</b>	159.79.84.0/25	TCP 19400-19599	Secondary FIX Gateway
FIX Order entry for <b>Fixed Income</b>	159.79.84.0/25	TCP 17700-17899	Primary FIX Gateway
FIX Order entry failover for <b>Fixed Income</b>	159.79.84.0/25	TCP 17700-17899	Secondary FIX Gateway
FIX Drop Copy for <b>Fixed Income</b>	159.79.84.0/25	TCP 19700-19899	Primary FIX Gateway
FIX Drop Copy failover for <b>Fixed Income</b>	159.79.84.0/25	TCP 19700-19899	Secondary FIX Gateway
Clearing Workstation 2	194.110.100.2 ( <a href="https://cw.nasdaqomxtrader.com">https://cw.nasdaqomxtrader.com</a> )	TCP 80, 443	Web Clearing Application
Global Vision	159.79.84.47	TCP 4000-4003	Trayport application
TradeGuard (former PRM) <b>Equity Derivatives</b>	192.176.3.103 ( <a href="http://prm1.nasdaqomxtrader.com">prm1.nasdaqomxtrader.com</a> ; <a href="http://prm2.nasdaqomxtrader.com">prm2.nasdaqomxtrader.com</a> )	TCP 443	Pre-Trade Risk Management Web GUI

TradeGuard (former PRM) <b>Commodities</b>	192.176.3.104 (cprm1.nasdaqomxtrader.com; cprm2.nasdaqomxtrader.com)	TCP 443	Pre-Trade Risk Management Web GUI
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Market Data	IP / MC Address	Port-Range	Source IP Address
<b>Genium Consolidated Feed</b>	Information on GCF can be found here <a href="http://www.nasdaqomx.com/transactions/technicalinformation/gcf">http://www.nasdaqomx.com/transactions/technicalinformation/gcf</a>		
<b>ITCH</b>			
ITCH group "A-D" for <b>Equity Derivatives</b>	233.74.125.2	UDP 31002	159.79.85.40
Re-request Group "A-D" for <b>Equity Derivatives</b>	159.79.84.38	UDP 31502	N/A
ITCH group "A-D" for <b>Equity Derivatives 1G Co-lo</b>	233.74.125.2	UDP 31002	159.79.85.40
Re-request Group "A-D" for <b>Equity Derivatives 1G Co-lo</b>	159.79.84.38	UDP 31502	N/A
ITCH group "C-D" for <b>Equity Derivatives 1G Co-lo</b>	233.74.125.99	UDP 31099	159.79.85.56
Re-request Group "C-D" for <b>Equity Derivatives 1G Co-lo</b>	159.79.84.39	UDP 31599	N/A
ITCH group "A-D" for <b>Equity Derivatives 10G Co-lo</b>	233.74.125.52	UDP 31052	159.79.85.168
Re-request Group "A-D" for <b>Equity Derivatives 10G Co-lo</b>	159.79.84.41	UDP 31552	N/A
ITCH group "C-D" for	233.74.125.105	UDP 31105	159.79.85.184

<b>Equity Derivatives 10G Co-lo</b>			
Re-request Group "C-D" for <b>Equity Derivatives 10G Co-lo</b>	159.79.84.42	UDP 31605	N/A
ITCH group "A-C" for <b>Commodities</b>	233.74.125.4	UDP 31004	159.79.85.40
Re-request Group "A-C" for <b>Commodities</b>	159.79.84.38	UDP 31504	N/A
ITCH group "A-C" for <b>Commodities 1G Co-lo</b>	233.74.125.4	UDP 31004	159.79.85.40
Re-request Group "A-C" for <b>Commodities 1G Co-lo</b>	159.79.84.38	UDP 31504	N/A
ITCH group "C-C" for <b>Commodities 1G Co-lo</b>	233.74.125.101	UDP 31101	159.79.85.56
Re-request Group "C-C" for <b>Commodities 1G Co-lo</b>	159.79.84.39	UDP 31601	N/A
ITCH group "A-C" for <b>Commodities 10G Co-lo</b>	233.74.125.54	UDP 31054	159.79.85.168
Re-request Group "A-C" for <b>Commodities 10G Co-lo</b>	159.79.84.41	UDP 31554	N/A
ITCH group "C-C" for <b>Commodities 10G Co-lo</b>	233.74.125.107	UDP 31107	159.79.85.184
Re-request Group "C-C" for <b>Commodities 10G Co-lo</b>	159.79.84.42	UDP 31607	N/A
<b>Auxiliary Market Data</b>			
AMD group "A-Dt" for <b>Equity Derivatives</b>	233.74.125.5	UDP 31005	159.79.85.40
Re-request	159.79.84.38	UDP	N/A

Group "A-Dt" for <b>Equity Derivatives</b>		31505	
AMD group "A-Dt" for <b>Equity Derivatives 1G Co-lo</b>	233.74.125.5	UDP 31005	159.79.85.40
Re-request Group "A-Dt" for <b>Equity Derivatives 1G Co-lo</b>	159.79.84.38	UDP 31505	N/A
AMD group "C-Dt" for <b>Equity Derivatives 1G Co-lo</b>	233.74.125.102	UDP 31102	159.79.85.56
Re-request Group "C-Dt" for <b>Equity Derivatives 1G Co-lo</b>	159.79.84.39	UDP 31602	N/A
AMD group "A-Dt" for <b>Equity Derivatives 10G Co-lo</b>	233.74.125.55	UDP 31055	159.79.85.168
Re-request Group "A-Dt" for <b>Equity Derivatives 10G Co-lo</b>	159.79.84.41	UDP 31555	N/A
AMD group "C-Dt" for <b>Equity Derivatives 10G Co-lo</b>	233.74.125.108	UDP 31108	159.79.85.184
Re-request Group "C-Dt" for <b>Equity Derivatives 10G Co-lo</b>	159.79.84.42	UDP 31608	N/A
AMD group "A-Ct" for <b>Commodities</b>	233.74.125.7	UDP 31007	159.79.85.40
Re-request Group "A-Ct" for <b>Commodities</b>	159.79.84.38	UDP 31507	N/A
AMD group "A-Ct" for <b>Commodities</b>	233.74.125.7	UDP 31007	159.79.85.40

<b>1G Co-lo</b>			
Re-request Group "A-Ct" for <b>Commodities 1G Co-lo</b>	159.79.84.38	UDP 31507	N/A
AMD group "C-Ct" for <b>Commodities 1G Co-lo</b>	233.74.125.104	UDP 31104	159.79.85.56
Re-request Group "C-Ct" for <b>Commodities 1G Co-lo</b>	159.79.84.39	UDP 31604	N/A
AMD group "A-Ct" for <b>Commodities 10G Co-lo</b>	233.74.125.57	UDP 31057	159.79.85.168
Re-request Group "A-Ct" for <b>Commodities 10G Co-lo</b>	159.79.84.41	UDP 31557	N/A
AMD group "C-Ct" for <b>Commodities 10G Co-lo</b>	233.74.125.110	UDP 31110	159.79.85.184
Re-request Group "C-Ct" for <b>Commodities 10G Co-lo</b>	159.79.84.42	UDP 31610	N/A
<b>Glimpse Re-request</b>			
Glimpse for <b>Equity Derivatives</b>	159.79.84.38	TCP 21814	N/A
Glimpse for <b>Equity Derivatives 1G Co-lo</b>	159.79.84.38	TCP 21814	N/A
Glimpse <b>Equity Derivatives 1G Co-lo</b>	159.79.84.39	TCP 21814	N/A
Glimpse <b>Equity Derivatives 10G Co-lo</b>	159.79.84.41	TCP 21814	N/A
Glimpse <b>Equity Derivatives</b>	159.79.84.42	TCP 21814	N/A

<b>10G Co-lo</b>			
Glimpse for <b>Commodities</b>	159.79.84.38	TCP 21825	N/A
Glimpse for <b>Commodities</b> <b>1G Co-lo</b>	159.79.84.38	TCP 21825	N/A
Glimpse for <b>Commodities</b> <b>1G Co-lo</b>	159.79.84.39	TCP 21825	N/A
Glimpse for <b>Commodities</b> <b>10G Co-lo</b>	159.79.84.41	TCP 21825	N/A
Glimpse for <b>Commodities</b> <b>10G Co-lo</b>	159.79.84.42	TCP 21825	N/A

## 1.2. Production (DR Site)

Site B (DR site)	IP / MC Address	Port-Range	Purpose
OMnet Order entry	159.79.82.33	TCP 8024	Trading applications
OMnet Order entry Trouble Shooting	159.79.82.33	TCP 8031	Used for trouble shooting
OMnet Clearing	159.79.82.34	TCP 8024	Clearing applications
OMnet Clearing Trouble Shooting	159.79.82.33	TCP 8031	Used for trouble shooting
FIX Order entry for <b>Eq Derivatives</b>	159.79.84.128/25	TCP 17000-17399	Disaster Recovery FIX Gateway
FIX Drop Copy for <b>Eq Derivatives</b>	159.79.84.128/25	TCP 19000-19399	Disaster Recovery FIX Gateway
FIX Order entry for <b>Commodities</b>	159.79.84.128/25	TCP 17400-17599	Disaster Recovery FIX Gateway
FIX Drop Copy for <b>Commodities</b>	159.79.84.128/25	TCP 19400-19599	Disaster Recovery FIX Gateway
FIX Order entry for <b>Fixed Income</b>	159.79.84.128/25	TCP 17700-17899	Disaster Recovery FIX Gateway
FIX Drop Copy for <b>Fixed Income</b>	159.79.84.128/25	TCP 19700-19899	Disaster Recovery FIX Gateway
Clearing Workstation 2	194.110.107.2 ( <a href="https://cw.nasdaqomxtrader.com">https://cw.nasdaqomxtrader.com</a> )	TCP 80, 443	Clearing Application
Global Vision	159.79.84.153	TCP 4000-4003	Trayport application

Market Data	IP / MC Address	Port-Range	Source IP Address
<b>Genium Consolidated Feed</b>	Information on GCF can be found here <a href="http://www.nasdaqomx.com/transactions/technicalinformation/gcf">http://www.nasdaqomx.com/transactions/technicalinformation/gcf</a>		
<b>ITCH</b>			
ITCH group "B-D" for <b>Equity Derivatives</b>	233.74.125.192	UDP 31192	159.79.85.70
Re-request Group "B-D" for <b>Equity Derivatives</b>	159.79.84.172	UDP 31692	N/A
ITCH group "B-C" for <b>Commodities</b>	233.74.125.194	UDP 31194	159.79.85.70
Re-request Group "B-C" for <b>Commodities</b>	159.79.84.172	UDP 31694	N/A
<b>Auxiliary Market Data</b>			
AMD group "B-Dt" for <b>Equity Derivatives</b>	233.74.125.195	UDP 31195	159.79.85.70
Re-request Group "B-Dt" for <b>Equity Derivatives</b>	159.79.84.172	UDP 31695	N/A
AMD group "B-Ct" for <b>Commodities</b>	233.74.125.197	UDP 31197	159.79.85.70
Re-request Group "B-Ct" for <b>Commodities</b>	159.79.84.172	UDP 31697	N/A
<b>Glimpse Re-request</b>			
Glimpse for <b>Equity Derivatives</b>	159.79.84.172	TCP 21814	N/A
Glimpse for <b>Commodities</b>	159.79.84.172	TCP 21825	N/A

## 1.3. Nasdaq Testing Facilities

### 1.3.1 External Test 1

External Test 1	IP / MC Address	Port-Range	Purpose
OMnet Order entry	159.79.68.81	TCP 8024	Trading applications
OMnet Order entry Trouble Shooting	159.79.68.81	TCP 8031	Used for trouble shooting
OMnet Clearing	159.79.68.82	TCP 8024	Clearing applications
OMnet Clearing Trouble Shooting	159.79.68.81	TCP 8031	Used for trouble shooting
FIX Order entry for <b>Eq Derivatives</b>	159.79.80.0/24	TCP 17000-17399	Primary FIX Gateway
FIX Order entry failover for <b>Eq Derivatives</b>	159.79.80.0/24	TCP 17000-17399	Secondary FIX Gateway
FIX Drop Copy for <b>Eq Derivatives</b>	159.79.80.0/24	TCP 19000-19399	Primary FIX Gateway
FIX Drop Copy failover for <b>Eq Derivatives</b>	159.79.80.0/24	TCP 19000-19399	Secondary FIX Gateway
FIX Order entry for <b>Commodities</b>	159.79.80.0/24	TCP 17400-17599	Primary FIX Gateway
FIX Order entry failover for <b>Commodities</b>	159.79.80.0/24	TCP 17400-17599	Secondary FIX Gateway
FIX Drop Copy for <b>Commodities</b>	159.79.80.0/24	TCP 19400-19599	Primary FIX Gateway
FIX Drop Copy failover for <b>Commodities</b>	159.79.80.0/24	TCP 19400-19599	Secondary FIX Gateway
FIX Order entry for <b>Fixed Income</b>	159.79.80.0/24	TCP 17700-17899	Primary FIX Gateway
FIX Order entry failover for <b>Fixed Income</b>	159.79.80.0/24	TCP 17700-17899	Secondary FIX Gateway
FIX Drop Copy for <b>Fixed Income</b>	159.79.80.0/24	TCP 19700-19899	Primary FIX Gateway
FIX Drop Copy failover for <b>Fixed Income</b>	159.79.80.0/24	TCP 19700-19899	Secondary FIX Gateway
Clearing Workstation 2	217.73.5.173 ( <a href="https://cw-test1.nasdaqomxtrader.com">https://cw-test1.nasdaqomxtrader.com</a> )	TCP 80,443	Web Clearing Application
Global Vision / Joule	159.79.80.77	TCP 4000-4003	Trayport application
TradeGuard (former PRM) <b>Equity Derivatives</b>	192.176.3.71	TCP 443	Pre-Trade Risk Management Web GUI
TradeGuard (former PRM) <b>Commodities</b>	192.176.3.72	TCP 443	Pre-Trade Risk Management Web GUI

Market Data based on data from EXT1	IP / MC Address	Port-Range	Source IP Address
<b>Genium Consolidated Feed</b>	Information on GCF can be found here <a href="http://www.nasdaqomx.com/transactions/technicalinformation/gcf">http://www.nasdaqomx.com/transactions/technicalinformation/gcf</a>		

### 1.3.2 External Test 3

External Test 3	IP / MC Address	Port-Range	Purpose
OMnet Order entry	159.79.68.85	TCP 8024	Trading applications
OMnet Order entry Trouble Shooting	159.79.68.85	TCP 8031	Used for trouble shooting
FIX Order entry for <b>Eq Derivatives</b>	159.79.80.0/24	TCP 17000-17399	Primary FIX Gateway
FIX Order entry failover for <b>Eq Derivatives</b>	159.79.80.0/24	TCP 17000-17399	Secondary FIX Gateway
FIX Drop Copy for <b>Eq Derivatives</b>	159.79.80.0/24	TCP 19000-19399	Primary FIX Gateway
FIX Drop Copy failover for <b>Eq Derivatives</b>	159.79.80.0/24	TCP 19000-19399	Secondary FIX Gateway
FIX Order entry for <b>Commodities</b>	159.79.80.0/24	TCP 17400-17599	Primary FIX Gateway
FIX Order entry failover for <b>Commodities</b>	159.79.80.0/24	TCP 17400-17599	Secondary FIX Gateway
FIX Drop Copy for <b>Commodities</b>	159.79.80.0/24	TCP 19400-19599	Primary FIX Gateway
FIX Drop Copy failover for <b>Commodities</b>	159.79.80.0/24	TCP 19400-19599	Secondary FIX Gateway
FIX Order entry for <b>Fixed Income</b>	159.79.80.0/24	TCP 17700-17899	Primary FIX Gateway
FIX Order entry failover for <b>Fixed Income</b>	159.79.80.0/24	TCP 17700-17899	Secondary FIX Gateway
FIX Drop Copy for <b>Fixed Income</b>	159.79.80.0/24	TCP 19700-19899	Primary FIX Gateway
FIX Drop Copy failover for <b>Fixed Income</b>	159.79.80.0/24	TCP 19700-19899	Secondary FIX Gateway
TradeGuard (former PRM) <b>Equity Derivatives</b>	192.176.3.69 (prm4.nasdaqomxtrader.com)	TCP 443	Pre-Trade Risk Management Web GUI
TradeGuard (former PRM) <b>Commodities</b>	192.176.3.66 (cprm4.nasdaqomxtrader.com)	TCP 443	Pre-Trade Risk Management Web GUI

Market Data based on data from EXT3	IP / MC Address	Port-Range	Source IP Address
<b>Genium Consolidated Feed</b>	Information on GCF can be found here <a href="http://www.nasdaqomx.com/transactions/technicalinformation/gcf">http://www.nasdaqomx.com/transactions/technicalinformation/gcf</a>		
<b>ITCH</b>			
ITCH group "A-D1" for <b>Equity Derivatives</b>	233.74.125.145	UDP 31145	159.79.85.82
Re-request Group "A-D1" for <b>Equity Derivatives</b>	159.79.80.51	UDP 31645	N/A
ITCH group "B-D1" for <b>Equity Derivatives</b>	233.74.125.165	UDP 31165	159.79.85.113
Re-request Group "B-D1" for <b>Equity Derivatives</b>	159.79.80.52	UDP 31665	N/A
ITCH group "A-C1" for <b>Commodities</b>	233.74.125.147	UDP 31147	159.79.85.82
Re-request Group "A-C1" for <b>Commodities</b>	159.79.80.51	UDP 31647	N/A
ITCH group "B-C1" for <b>Commodities</b>	233.74.125.167	UDP 31167	159.79.85.113
Re-request Group "B-C1" for <b>Commodities</b>	159.79.80.52	UDP 31667	N/A
<b>Auxiliary Market Data</b>			
AMD group "A-Dt1" for <b>Equity Derivatives</b>	233.74.125.148	UDP 31148	159.79.85.82
Re-request Group "A-Dt1" for <b>Equity Derivatives</b>	159.79.80.51	UDP 31648	N/A
AMD group "B-Dt" for <b>Equity Derivatives</b>	233.74.125.168	UDP 31168	159.79.85.113

Re-request Group "B-Dt1" for <b>Equity Derivatives</b>	159.79.80.52	UDP 31668	N/A
AMD group "A-Ct1" for <b>Commodities</b>	233.74.125.150	UDP 31150	159.79.85.82
Re-request Group "A-Ct1" for <b>Commodities</b>	159.79.80.51	UDP 31650	N/A
AMD group "B-Ct1" for <b>Commodities</b>	233.74.125.170	UDP 31170	159.79.85.113
Re-request Group "B-Ct1" for <b>Commodities</b>	159.79.80.52	UDP 31670	N/A
<b>Glimpse Re-request</b>			
Glimpse for <b>Equity Derivatives</b>	159.79.80.51 159.79.80.52	TCP 21814	N/A
Glimpse for <b>Commodities</b>	159.79.80.51 159.79.80.52	TCP 21825	N/A

### 1.3.3 External Test 4

External Test 4	IP / MC Address	Port-Range	Purpose
OMnet Order entry	159.79.68.87	TCP 8024	Trading applications
OMnet Order entry Trouble Shooting	159.79.68.87	TCP 8031	Used for trouble shooting
OMnet Clearing	159.79.68.88	TCP 8024	Clearing applications
OMnet Clearing Trouble Shooting	159.79.68.87	TCP 8031	Used for trouble shooting
FIX Order entry for <b>Eq Derivatives</b>	159.79.80.0/24	TCP 17000-17399	Primary FIX Gateway
FIX Order entry failover for <b>Eq Derivatives</b>	159.79.80.0/24	TCP 17000-17399	Secondary FIX Gateway
FIX Drop Copy for <b>Eq Derivatives</b>	159.79.80.0/24	TCP 19000-19399	Primary FIX Gateway
FIX Drop Copy failover for <b>Eq Derivatives</b>	159.79.80.0/24	TCP 19000-19399	Secondary FIX Gateway
FIX Order entry for <b>Commodities</b>	159.79.80.0/24	TCP 17400-17599	Primary FIX Gateway
FIX Order entry failover for <b>Commodities</b>	159.79.80.0/24	TCP 17400-17599	Secondary FIX Gateway
FIX Drop Copy for <b>Commodities</b>	159.79.80.0/24	TCP 19400-19599	Primary FIX Gateway

FIX Drop Copy failover for <b>Commodities</b>	159.79.80.0/24	TCP 19400-19599	Secondary FIX Gateway
FIX Order entry for <b>Fixed Income</b>	159.79.80.0/24	TCP 17700-17899	Primary FIX Gateway
FIX Order entry failover for <b>Fixed Income</b>	159.79.80.0/24	TCP 17700-17899	Secondary FIX Gateway
FIX Drop Copy for <b>Fixed Income</b>	159.79.80.0/24	TCP 19700-19899	Primary FIX Gateway
FIX Drop Copy failover for <b>Fixed Income</b>	159.79.80.0/24	TCP 19700-19899	Secondary FIX Gateway

<b>Market Data based on data from EXT4</b>			
	<b>IP / MC Address</b>	<b>Port-Range</b>	<b>Source IP Address</b>
<b>Genium Consolidated Feed</b>	Information on GCF can be found here <a href="http://www.nasdaqomx.com/transactions/technicalinformation/gcf">http://www.nasdaqomx.com/transactions/technicalinformation/gcf</a>		
<b>ITCH</b>			
ITCH group "A-D2" for <b>Equity Derivatives</b>	233.74.125.151	UDP 31151	159.79.85.85
Re-request Group "A-D2" for <b>Equity Derivatives</b>	159.79.80.74	UDP 31651	N/A
ITCH group "A-C2" for <b>Commodities</b>	233.74.125.153	UDP 31153	159.79.85.85
Re-request Group "A-C2" for <b>Commodities</b>	159.79.80.74	UDP 31653	N/A
<b>Auxiliary Market Data</b>			
AMD group "A-Dt2" for <b>Equity Derivatives</b>	233.74.125.154	UDP 31154	159.79.85.85
Re-request Group "A-Dt2" for <b>Equity Derivatives</b>	159.79.80.74	UDP 31654	N/A
AMD group "A-Ct2" for <b>Commodities</b>	233.74.125.156	UDP 31156	159.79.85.85
Re-request Group "A-Ct2"	159.79.80.74	UDP 31656	N/A

for <b>Commodities</b>			
<b>Glimpse Re-request</b>			
Glimpse for <b>Equity Derivatives</b>	159.79.80.74	TCP 21814	N/A
Glimpse for <b>Commodities</b>	159.79.80.74	TCP 21825	N/A

## 2. REVISION HISTORY

Date	Revision	Change Description
January 11, 2017	1.4	Added connectivity details to EXT1 TradeGuard. Removed the legacy port 80 from Production and EXT3 TradeGuard. Corrected the URLs to Production TradeGuard. Added "Revision History".