



*London*  
**STOCK EXCHANGE**

# Extranex VPN Developer

SERVICE AND TECHNICAL DESCRIPTION • JUNE 2007





## Document History

June 2007

First issue published to website



## 1. Document Scope

The purpose of this document is to provide customers with an overview of the new testing-only connection to the Exchange, the Extranex VPN Developer service (the “**Service**”).

This document provides details on the new service and its introduction, including the delivery timescales, and details of the technical configuration.

This document constitutes a supplement to, and forms part of, the Technical Specification set of documents<sup>1</sup> published by London Stock Exchange plc.

## 2. Overview of the Service

The Exchange prides itself on its reliable, flexible and broad range of testing services, which have been developed to allow customers to test seamlessly with the Exchange’s Information and Trading systems. Extranex VPN Developer offers a low cost, direct connection to these testing services.

VPN Developer utilises a customer’s existing connection to the Internet to provide connectivity to the Customer Testing Services (CTS) through a secure Virtual Private Network (VPN). As part of the Service, the Exchange will provide a router to the customer, pre-configured to connect to the Exchange.

The Service supports access to almost the full range of CTS environments with the only exception being the Information Conformance and High Volume Service. This is due to volatility of the public Internet not providing the necessary reliability to ensure no packet loss during the test. However, a TradElect™ conformance test can be completed via the Service.

### Bandwidth Provision

Customers are responsible for providing their own connection to the Internet of an appropriate bandwidth to support the Service. The Exchange suggests, based on the current volumes of data on the Enhanced CDS service, that customers provide a 2.5MB/s connection. Any changes to this will be communicated via your Technical Account Manager.

### Testing Credits

On installation of the Service, customers will be awarded test credits as set out in the table below. Additional access to the CTS environments will be charged as set out in the Exchange’s ‘Customer Testing Services’ price list, available from the Exchange’s website, <http://www.londonstockexchange.com/cts>

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<sup>1</sup> TIS 101, TIS102, TIS103 and TIS 104 Issue 14 published in December 2006

	TradElect™	Infolect®
Technical Readiness Test (TRT Test)	1	1
Customer Development Service (Bookable CDS session)	5	5

Further information on each of these tests can be found in the Enhanced Customer Testing Services range of documents available from the Exchange's website, [www.londonstockexchange.com/ctsddocuments](http://www.londonstockexchange.com/ctsddocuments)

### 3. Technical Configuration

#### Equipment

As part of the Service, the Exchange will provide to each customer a pre-configured Cisco 1800 series router to be installed at the customer site.

#### Connectivity

The customer will need to provide the Exchange with the public IP address and subnet mask that will be assigned to the Exchange router. The Exchange will also require the LAN side IP address of the customer's DSL router which will be configured as the default gateway. The customer will be provided with the IP address and subnet mask for the Exchange router that will be used for the customer LAN.

Traffic on the Service will be encrypted using Internet Protocol Security (IPSec) and transported over a Generic Routing Encapsulation (GRE) Tunnel.


Please refer to The Trading and Information Services Network Specification (TIS103) for full details on the network interface provided by the London Stock Exchange, available from the Technical Library section of the Exchange's website, [www.londonstockexchange.com/techlib](http://www.londonstockexchange.com/techlib).

#### Demarcation Points/Responsibility

Please note that the Exchange is not responsible for the customer's connectivity to the Internet or connectivity to the router installed at the customer's site.

### 4. Timescales and Pricing

The Service is currently available and can be ordered via the eContracts section of the Exchange's website, <http://www.londonstockexchange.com/en-gb/products/eContracts>



For pricing please refer to the 'Extranex Service and Testing Services' price list, available from the Exchange's website, <http://www.londonstockexchange.com/en-gb/products/membershiptrading/accessnetworkservices/extranex.htm>.

## 5. Customer Support

Please find below the contact details of the teams who will be supporting the introduction of this new service.

### Client Technology Group

The Client Technology Group will provide technical support during the implementation of this new service via:

- The Technical Information Desk on +44 (0) 207 797 3939, STX 33939
- The Client Technology Group Email via [CTGroup@londonstockexchange.com](mailto:CTGroup@londonstockexchange.com)

Technical queries may also be raised directly through your Technical Account Manager.

### Client Implementation Team (CIT)

The Client Implementation Team are responsible for co-ordinating the implementation of a customer's testing enablements and may be contacted via:

- Client Implementation Team - Tel: +44 (0) 20 7797 3232, STX 33232
- E-mail Client Implementation Team at: [clientimplementation@londonstockexchange.com](mailto:clientimplementation@londonstockexchange.com)

Requests for new and changes to existing enablements should be submitted via the Exchange's eContracts online order system.

### Primary Account Manager

Business related queries should be directed to your Primary Account Manager.



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