

## FIX over SWIFT

*SWIFT access to UL NET*



*A direct connection  
to the ULLINK FIX  
Hub over SWIFT*

### Benefits

- Re-use your SWIFT connection
- Access new value-added services
- Join an established community
- Implement new counterparties faster

The FIX over SWIFT solution connects you to our partner ULLINK's FIX Hub service UL NET, and its established community of users. Customers need to contract with ULLINK for the FIX Hub and with SWIFT for the connectivity to UL NET.

### Background

SWIFT has entered into a partnership with ULLINK SAS, an established, global front-office supplier, to offer the FIX over SWIFT service that provides a direct connection to the ULLINK FIX Hub over SWIFT. The combined solution enables you to:

- Benefit from more competitive pricing
- Access the ULLINK community of more than 100 institutions
- Access new value-added products (for example Direct Market Access, Trade Cost Analysis, Algorithmic Trading and Order/Execution Management services)

### ULLINK and UL NET

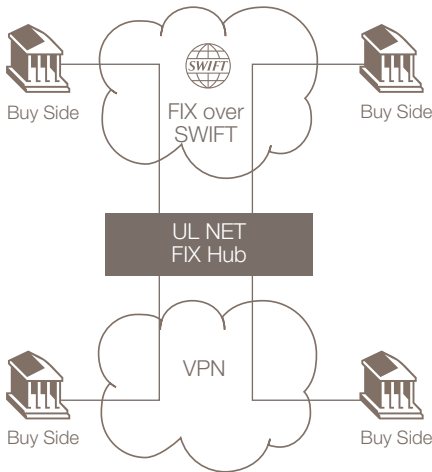
#### Company

ULLINK's corporate headquarters, development team and client services are located in Paris. ULLINK also has sales and support offices in New York, London and Hong Kong. ULLINK is a Premier member of FIX Protocol Limited and manages thousands of FIX connections throughout the world.

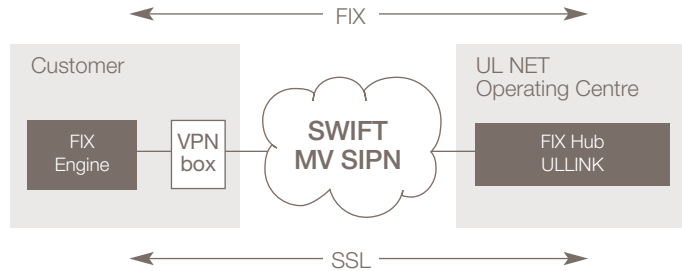
#### UL NET

UL NET is a leading industry FIX Hub. It handles all FIX message types, asset classes, versions and flavours. A customer's use of FIX is normalised according to their Rules of Engagement, so ensuring the implementation and certification only has to be done once for all counterparties.

UL NET is accessed via direct lines, VPN service and over SWIFT.



A FIX over SWIFT overview



A FIX over SWIFT architecture

#### How to use FIX over SWIFT

##### Architecture

This ULLINK service is accessed via SWIFT, and is not a SWIFT service. A SWIFT user wanting to access UL NET connects their FIX engine to an IP address provided by SWIFT. The user is authenticated by UL NET, which validates their SWIFT Web certificate before accepting the FIX Session Logon.

In order to connect to UL NET the following is required:

- The FIX engine needs access to an external SWIFT IP Address. This may require updates of local firewalls/routers and/or use of Network Address Translation
- Internet Explorer needs access to a SWIFT URL to download SWIFT Web Certificates
- The FIX engine needs to support Secure Socket Layer (SSL), and to initiate the FIX Logon

#### How to proceed

- Subscribe with ULLINK for the UL NET service
- Subscribe with SWIFT for the FIX over SWIFT service
- Connect to UL NET over the SWIFT network
- Test and certify with UL NET
- Commence trading with counterparties via UL NET

*For more information, please contact your SWIFT account manager or visit [www.swift.com](http://www.swift.com)*

#### UL NET

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