

# SMART

## Risk and Valuation Analytics

**LCH** The Markets'  
Partner

### INTRODUCTION

LCH SMART enables clients and members to simulate their margin requirements across SwapClear, Listed Rates and ForexClear on one platform. Using instantaneous, consistent "what if" calculations, clients and members can cost-effectively view their risk exposures against LCH for a simulated portfolio prior to clearing.

### KEY BENEFITS

#### 01.

##### IM and VM Reconciliation

Input your portfolio of trades, and watch LCH SMART automatically apply curves, tenor buckets and worst-case scenarios to ensure accurate estimates of margin.

#### 02.

##### Full Breakdown of Risk Exposure

Access a comprehensive view of your IM and margin add-ons across your portfolio as well as a breakdown of portfolio sensitivities.

#### 03.

##### Risk Management on One Platform

Submit trades from any OTC or Listed Rates service to view real-time risk exposure across the portfolio on one platform.

#### 04.

##### Portfolio Margining Simulation

LCH SMART supports the LCH Spider service, enabling members to view their portfolio margining opportunities across OTC and exchange-traded interest rate books.

#### 05.

##### Usability

Use the desktop application to take advantage of interactive screens or connect with the API to integrate the LCH SMART tool within your own technology stack.



### TOOL FEATURES

- IM reconciliation
- Supports SwapClear, Listed Rates and ForexClear
- Displays NPV and sensitivities at trade level
- Automatically applies curves, tenor buckets and worst-case loss scenarios
- Available for members & clients
- Available as an easy-to-use desktop application
- Available to integrate into internal systems
- Supports LCH Spider and its impact on a simulated portfolio
- Simple installation

## UPCOMING FEATURES AND DEVELOPMENT OF SMART

---

### 01.

#### SMART Data Services

Support market, reference and portfolio data for calculation purposes instead of EOD reports.



#### New Features

- Access end-of-day market, reference and portfolio data directly via the SMART app
- Intra-day access to market data, trade and portfolio sensitivities
- Enhanced visualisation for curves and sensitivities

#### Benefits

- Near real-time access to intraday P&L
- Improved risk visibility
- Better estimation of capital requirements and funding
- Understand where risk exposure lies within tenors

### 02.

#### Multi-Asset Support

Enables users to perform analysis for the ForexClear service through a desktop application.



#### New Features

- SMART App support for additional products through the ForexClear service

#### Benefits

- Ease of use: one application to support risk and valuation for multiple asset classes

---

## FIND OUT MORE

---

For more information, contact the SMART support team: [smartsupport@lch.com](mailto:smartsupport@lch.com)

DISCLAIMER This document has been provided to you for informational purposes only and is intended as an overview of certain aspects of, or proposed changes to, services provided by LCH Group Holdings Limited, LCH Limited, SwapAgent Limited, LCH S.A. or LCH.Clearnet LLC (each an, "LCH Company"). This document does not, and does not purport to, contain a detailed description of any aspect of an LCH Company service or any other matter set out in this document, and it has not been prepared for any specific person. This document does not, and does not seek to, constitute advice of any nature. You may not rely upon the contents of this document under any circumstance and should seek your own independent legal, investment, tax and other advice. The information contained in this document does not constitute a recommendation or offer with respect to any derivative contract, financial instrument, security or service. No LCH Company makes any representation, warranty, condition or guarantee (express or implied) that the contents of this document are accurate, complete or up-to-date, and no LCH Company makes any commitment to offer any particular product or service. No LCH Company shall have any liability for any losses, claims, demands, actions, proceedings, damages, costs or expenses arising out of, or in any way connected with, the information contained in this document, except that each LCH Company accepts liability for personal injury or death caused by its negligence, for its fraud or wilful misrepresentation, and for any other liability which cannot be excluded by applicable law. Copyright © LCH Limited 2019. All rights reserved. SwapClear, ForexClear and SwapAgent are registered trademarks of LCH. The information contained in this document is confidential. By reading this document, each recipient agrees to treat it in a confidential manner and will not, directly or indirectly, disclose or permit the disclosure of any information in this document to any other person (other than its regulators or professional advisers who have been informed of the confidential nature of the information) without the prior written consent of an LCH Company.

Terms governing the use of and access to SMART and the scope of its functionality are set out in the relevant user agreement.