

Technical fees

LCH SA - Effective from 2 January 2017

LCH The Markets'
Partner



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The rates indicated below are expressed in euro and are subject to VAT at the applicable rate. Except when specified, the following fees are applicable for all markets cleared by LCH SA.

All DTRF (Data Transfer Request Form) requests (deletions, additions, changes) are subject to a **one-off fee of € 200**. Members must fill in the DTRF document for any request and send it back signed-off to the CTH department (CTH.SA@lch.com). The DTRF is available upon request to your account manager.

Central Counterparty Webservice for EquityClear SA and CommodityClear SA: eCCW®

LCH SA bills eCCW® (C&D) fees monthly (collected on the 10th open business day of the following month) as from the month following the start of the service or change implemented.

This web access is dedicated to LCH SA clearing business as a single-member solution and multi-platform (test and production) in relation to Cash equities, Listed derivatives and Commodities.

Monthly fee	eCCW® (C & D) service access (inc. 2 access cards: 1 for production and 1 for test platform)	€ 200 per access
One-off fee	eCCW® (C & D) backup access cards (active for production platform only)	€ 200 per card
Configuration charge		€ 200 per order form

Webservices for RepoClear SA: WebOTC

LCH SA bills WebOTC access fees monthly (collected on the 10th open business day of the following month) as from the month following the start of the service or change implemented.

This web access is dedicated to RepoClear Government SA markets cleared by LCH SA.

Monthly fee	Service access (inc. 1 access card)	€ 100 per access
Configuration charge		€ 200 per order form

Webservices for €GCPlus: WebEGCP

LCH SA bills WebEGCP access fees monthly (collected on the 10th open business day of the following month) as from the month following the start of the service or change implemented.

This web access is dedicated to RepoClear SA triparty market of LCH SA.

Monthly fee	Service access (inc. 1 access card)	€ 100 per access
Configuration charge		€ 200 per order form

Push/Pull solution for RepoClear SA and €GCPlus

This solution provides access to LCH's FTP interface, including both WebOTC and WebEGCP services.

This fee grid is valid for both RepoClear SA and €GCPlus.

Configuration/change/termination charge	€ 200 per order form
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Connectivity and clearing gateways

These technical solutions allow access to Cash, Listed Derivatives (incl. Commodities) and CDS markets.

LCH SA bills connectivity and clearing gateways fees monthly (collected on the 10th open business day of the following month); invoicing rules are described in the Access Agreement.

Connectivity

LCH SA brings to its Members a connectivity solution offering performance, security and resiliency. LCH SA Members clearing connectivity solution is provided by London Stock Exchange (LSEG), allowing users to access both LCH SA and LCH Ltd clearing services. They can be ordered through any of the CCPs.

The connectivity solution named CMC (Customer Managed Connectivity) is based on secure IP network between several points of access (“CMC City Pops”) and LCH Data Centres. Members shall connect to these CMC City Pops using a dedicated connection called “Last Mile” that needs to be ordered from an ACP (Accredited Connectivity Partners).

Last mile connection through the ACP is responsibility of the Member therefore not included in the LCH SA Technical Fees.

The LCH SA costs, for the CMC connection, hereafter apply:

Tier	Bandwidth						
	2Mbps		One-off cost	4Mbps	6Mbps	8Mbps	10Mbps
Description	One-off cost	Monthly cost		Monthly cost			
Platinum: Four circuits from dual carriers to two member locations	€ 2,500	€ 1,810	€ 5,300	€ 2,415	€ 2,515	€ 2,615	€ 2,915
Gold: Three circuits, two circuits to the members primary location via two carriers and a single connection to another site	€ 2,190	€ 1,735	€ 4,640	€ 2,310	€ 2,360	€ 2,485	€ 2,750
Silver: Two circuits, dual carriers to one member location, or over split member sites	€ 1,125	€ 905	€ 2,800	€ 1,210	€ 1,260	€ 1,310	€ 1,460
Bronze: Single circuit, Single location (for sole test purpose)	€ 565	€ 830	€ 1,190	€ 1,105	€ 1,155	€ 1,180	€ 1,295

Please note that:

- Unless otherwise specified, all costs indicated in the table above apply to sites located in Europe (exceptions may apply); for connections to any other location, costs can be provided on demand;
- The 4Mbps connection is a minimum prerequisite bandwidth to access both LCH SA and Ltd Clearing services;
- The Platinum, Gold, Silver tiers can be used for both production and test purposes;
- The Bronze tier is for Users (Clearing members and Authorised Third Party Providers (i.e. ISVs)) who require dedicated access for sole testing purpose.
- These costs apply to set up and run new connectivity to LCH services on existing BT Radianz connection. Changes on existing configurations (move, upgrade or downgrade of bandwidth,

change of tier...) or for non connected site will be subject to specific quotations upon request to Account Managers.

The LCH SA costs for members still using the BT Radianz connection, before migrating to the new CMC connection, are the following:

Tier	Bandwidth						
	2Mbps		One-off cost	4Mbps	6Mbps	8Mbps	10Mbps
Description	One-off cost	Monthly cost		Monthly cost			
Platinum: Four circuits from dual carriers to two member locations	€ 5,000	€ 3,000	€ 10,600	€ 4,000	€ 4,100	€ 4,200	€ 4,500
Gold: Three circuits, two circuits to the members primary location via two carriers and a single connection to another site	€ 4,375	€ 2,625	€ 9,275	€ 3,500	€ 3,550	€ 3,675	€ 3,940
Silver: Two circuits, dual carriers to one member location, or over split member sites	€ 2,500	€ 1,500	€ 5,300	€ 2,000	€ 2,050	€ 2,100	€ 2,250
Bronze: Single circuit, Single location (for sole test purpose)	€ 1,875	€ 1,125	€ 3,975	€ 1,500	€ 1,550	€ 1,575	€ 1,690

Clearing Gateway (LCAP)

A LCAP is a clearing gateway allowing Users to receive files and real time messages for Cash, Derivatives or CDS markets. It is installed in LCH premises.

Tier	One-off cost	Monthly cost
Production	€ 500	€ 400
Test (EUA)	€ 500	€ 400

Please note that "Production" tier also relates to all back-up LCAP used for production access if any.

Specific reporting services

Cash markets

Flat file reporting cash fees

This monthly file is sent upon members' request on LCAP and eCCW® on the 3rd business day of the month following the invoiced month.

Service	Amount
Flat file	free of charge

Trade Leg Reconciliation File (TLRF)

Service	Amount
Trade leg reconciliation File - TLRf	€ 200 per month

Equity and Index derivative products (ie CDS excluded)

Service	Amount
Flux des Opérations du Jour - OPEJ	€ 200 per month

Archived File

Any request for archived production files should be addressed to the clearing member's account manager; an estimate will be drawn up; it will need to be agreed and signed by the member before any further investigation.

Archived Production file charges

For illustration purposes, archived production file transfer requests are charged as follows* :

Number of files	Fee
1 st file	€ 1,000
2 nd to 5 th file	€ 500 each
Each additional file	€ 200 each

Investigation request charges

Archived file requests are charged as follows†:

Time spent on the request	Fee
1/2 day	€ 500
1 day	€ 1,000
Each additional ½ day	€ 500

Electronic invoicing and evidences

Web portal for invoicing

This 'free of charge' web portal service enables clients to download and retrieve invoices and related evidences earlier in time, to ease invoice processing and reconciliation and to access historical information.

* An estimate will be done for any request.

† An estimate will be done for any request.

Optional service - Automated file transmission

Besides the manual downloading on the web portal which is free of charge, clients have the possibility to automate the transfer of original invoices and associated evidence/justificatory reports by accessing our SFTP server directly. This optional service is subject to additional fees as follows:

- Initial one-off fee to set up the connection €500
- Recurring monthly fee: €200