

J.P. MORGAN SECURITIES PLC, J.P. MORGAN AG AND J.P. MORGAN SECURITIES LLC

F&O AND OTC CLEARING FEES DISCLOSURE

The purpose of this fee schedule is to disclose the fees arising from the provision of clearing services by J.P. Morgan Securities plc (“JPMS plc”), J.P. Morgan AG (“JPMAG”) or J.P. Morgan Securities LLC (“JPMS LLC”) (collectively or individually, “JPM”) for derivative trades cleared for clients at a central counterparty (or “clearing house”) under EMIR¹ and MiFIR.² It may be updated from time to time, with the most recent version being made available on our website. You should ensure that you consider the most recent version of the disclosure on the website, which will supersede and override any previous version.

The terms and conditions of fees and commissions chargeable will be agreed with each client and the terms of payment and collection of such fees are set out in the client agreement between the client and JPM.

The structure of this disclosure

This disclosure is set out in two sections. The first section sets out background and provides information about how the choice between an individual and an omnibus account and other considerations impact the pricing of the services. The section also sets out charging information where fees are levied on an account, as opposed to where they apply to particular transactions, as well as charges relating to margining arrangements at central counterparties.

The second section sets out pricing information on a clearing house by clearing house basis. Currently the following clearing houses of which JPM is a member have received authorisation:

- Nasdaq OMX Stockholm AB
- Eurex Clearing AG
- CC& G (Cassa di Compensazione e Garanzia S.p.A.)
- LCH.Clearnet S.A.
- LCH.Clearnet Ltd.
- ICE Clear Europe
- ECC (European Commodity Clearing AG)
- BME Clearing, S.A.
- LME Clear (LME Clear Ltd.)
- ICE Clear Europe

What is the status of this document?

This document is provided for information purposes only. It is not a legally binding document and does not constitute part of any agreement between you and JPM. As such, it does not amend or vary any provision of any agreement with JPM or otherwise affect the

¹ Regulation (EU) No 648/2012 on OTC derivatives, central counterparties and trade repositories.

interpretation of any such agreement, including any fee or interest schedule that you have previously agreed or may agree with JPM in the future.

Section 1: Background and pricing structure information

1.1 JPM clearing fees

The fees set out in this document are indicative and are based on standard undiscounted fees. Within the European Union, JPM is currently a member of nine central counterparties and its client base of institutional customers is varied and requires clearing services to be delivered in a number of ways. The fees set out in this document are based on a client who does not qualify for a discount and who is not being provided with any non-standard enhancements or accommodations in relation to the service.

For OTC derivatives, fees are charged on a transaction by transaction basis (also referred to as “per ticket”). For futures and options (“F&O”) clearing fees are usually charged on a per contract basis (also referred to as “per lot”) for each transaction. The standard undiscounted fees set out in this schedule are calculated on this basis.

1.2 Third party fees and JPM fees

In addition to JPM’s fees, JPM will require clients to pay third party fees incurred in relation to a client’s cleared transactions. Such third party fees will generally include clearing house fees (including fees imposed by clearing houses for holding non-cash collateral), commissions or brokerage due to intermediary (including introducing) clearing brokers on markets where JPM is not a member, regulatory levies, taxes or other charges or costs that may be imposed on or collectible from the clearing broker on behalf of the clearing house, third party brokers, third party vendors, regulators or tax authorities. Clearing house fees are available on the websites of the relevant clearing houses.

1.3 Fees applicable to individually segregated accounts

Where JPM provides a standard client with an individually segregated account, JPM will apply the following charges:

- A monthly charge of € 1500 to open a new individual account or convert an existing account to the individual account structure
- Charge for cash payments or receipts on behalf of the client to or from the clearing house of € 100 per movement
- Charge for movement of non-cash collateral on behalf of the client to or from the clearing house of € 250 per movement

² Regulation (EU) No 600/2014 on markets in financial instruments and amending Regulation (EU) No 648/2012.

Any account maintenance charge applied by the clearing house will be passed through and charged to the client.

Overdraft interest fees will be applied to the extent that there is any uncovered initial or variation margin requirement. (Please see Section 2 and the relevant market for further details of this charge.)

Credit or debit interest (including if the clearing house applies negative interest rates – please see 1.8 below) arising on the individually segregated account balance will be passed through without adjustment.

Apart from negative interest rates, these charges are specific to individually segregated accounts. There are no equivalent charges applicable to omnibus segregated accounts.

1.4 Clearing Charges: Discounts from Standardised Fees

In determining whether to apply discounts to the standard undiscounted fees, the application of the criteria listed below may be relevant:

- delivery of the services using commoditised clearing technology and operational support
- the operational effort is relatively low on markets where the client is active
- straightforward account structure
- high volume of transactions
- concentration of business into few markets
- use of standard processes with regard to receipt and payment of margin
- support can be provided from a single team or location and with minimal client interaction
- booking instructions, such as account allocations, are standardised or handled automatically
- economies of scale resulting from the overall level of activity at the relevant clearing houses
- the client is active at clearing houses that provide an efficient service to clearing members
- positions are closed out, abandoned or settled in cash on expiry and do not require physical delivery
- other operational risk considerations
- the extent to which trades are executed through JPM's order management systems or given in for clearing
- the status of the clearing house under Basel 3 and EU capital rules
- the return required in the context of the internal assessment of the risk that will arise from the client's activity
- client legal risk (e.g. the availability of positive industry legal opinions in relation to netting)

Where one or more of these criteria apply and the client does not receive any enhancement to the delivery of services (e.g. those set out in 1.5 below), the client may benefit from the application of a discount to the standard undiscounted fees set out in this document.

1.5 Clearing Charges associated with enhancements to the delivery of services

In determining whether to apply a premium to the standard fees, the application of the criteria listed below may be relevant:

- bespoke or enhanced clearing technological or operational support
- complex account structure or high volume of accounts
- extensive or high level of oversight required to support the client
- additional services arising from non-standard margin processes
- activity on markets where there are specific barriers to entry or extensive regulatory requirements
- activity on markets where the client or JPM does not have economies of scale
- low volume or activity on multiple markets
- physical delivery of contracts at expiry

Where one or more of these criteria apply, JPM may apply a premium to the standard fees set out in this document.

1.6 Minimum Account Activity Fees

JPM will require clients to maintain a level of activity to sustain the ongoing costs arising from the maintenance of live accounts or open positions. The minimum account activity fee will be levied where an account generates less than USD 240,000 per year in commission for JPM (taking into account all trades cleared for the client through any clearing house) net of exchange, clearing house and other third party fees.

The standard minimum account activity fee applied in such circumstances will be USD 60,000 per quarter.

1.7 Collateral Financing Charge

JPM reserves the right to charge the client a financing charge in any of the following circumstances:

(a) where JPM has agreed to accept cash or non-cash collateral as initial margin that is not acceptable to the clearing house at which the client is clearing and agrees to finance the client's positions with cash or non-cash collateral that is acceptable to the clearing house. Clearing houses generally publish a list of acceptable collateral;

(b) where JPM has agreed with the client that an initial margin obligation can be met in a way that means the collateral cannot be used to secure the clearing house initial margin requirement (for example under a special arrangement with the client's custodian).

Collateral financing charges are calculated daily upon the basis of the below annual rates and invoiced to the client on a monthly basis. Collateral financing arrangements are currently not available in relation to individually segregated accounts.

Current collateral financing charges are listed below. You should note that JPM's interest rates will fluctuate with prevailing market rates and are likely to be subject to change.

Currency	Collateral Financing Charge
Australian Dollar	1.05%
Japanese Yen	1.00%
Canadian Dollar	1.25%
Swiss Francs	1.00%
Danish Krone	1.00%
Euro	1.15%
British Pounds	1.25%
Norwegian Krone	1.30%
Swedish Krone	1.15%
U.S. Dollars	1.10%

1.8 Negative Interest Rate Charges

Clients should be aware that in certain market conditions and in relation to certain currencies, clearing houses may pay negative interest rates on cash collateral posted at the clearing house. As such an additional charge may be incurred to pass on the costs incurred, particularly in stressed markets or in relation to certain currencies.

1.9 Capital Charges

A basis point charge on initial margin amounts may be applied to cover the cost of capital that is incurred under current capital rules. This charge will be impacted by a number of factors, including but not limited to, the jurisdiction of the client, the margin and default management policies at the clearing houses where positions are held, the capital treatment of margin and default funds held at the clearing house and JPM's assessment of the ability to net positions and to recover and liquidate collateral in the event of a default by the client or clearing house.

The standard capital charge for OTC is 60 basis points on initial margin.

1.10 Indirect Clearing Arrangements

This document also applies where a set of contractual relationships between a central counterparty, clearing member, client of a clearing member and indirect client allow the client of a clearing member to provide clearing services to an indirect client (an "**Indirect Clearing Arrangement**"). Indirect Clearing Arrangements for OTC derivatives were introduced by EMIR and for exchange traded derivatives were introduced by MiFIR.

Where we offer to facilitate Indirect Clearing Arrangements, we offer our clients, and they in turn may offer their indirect clients, a choice between gross omnibus client segregation and net omnibus client segregation.

Net omnibus client segregated accounts are treated the same as omnibus segregated accounts for the purposes of pricing. Where there are multiple net omnibus client segregated accounts for a single client who is an asset manager, this may be subject to a minimum number of related funds and internal JPM approvals in order for each account to be treated in the same way as omnibus segregated accounts under this document.

Gross omnibus client segregated accounts are treated the same as omnibus segregated accounts for the purposes of pricing and will be subject to two additional fee components:

- Account Maintenance Fee: € 750 per client account in underlying gross omnibus client segregated account (i.e. per end client) subject to a minimum of € 2250 per month (even if there is only one end client whose positions and assets are represented in the account). This charge is irrespective of whether or not an account is active or dormant.
- Central Counterparty Account Fee: Pass through of central counterparty account maintenance fees where applicable.

Section 2: Clearing House Specific JPM Clearing Fees

2.1.1 NASDAQ OMX CLEARING AB

For cleared derivatives the JPM clearing fees for a standard undiscounted client applied in addition to exchange, clearing house and other fees, will be:

Delivery type	F&O cash settled	F&O physically deliverable
Asset Class	Standard undiscounted per contract clearing commission (\$)	Standard undiscounted per contract clearing commission (\$)
Interest rates	2.00	4.00
Equity	2.00	4.00
Foreign exchange	2.00	4.00
Credit	2.00	4.00
Commodities	2.00	10.00

2.1.2 Clearing charges for contracts capable of physical delivery

JPM will generally charge additional higher fees to clear derivative transactions which are subject to physical delivery if held to maturity. Such fees reflect the additional operational arrangements, processing requirements and risk management arising where JPM is required to make or take physical delivery of physical instruments or commodities.

JPM will generally charge fees on exercise or assignment of options or for physical or cash settlement of futures. These charges are applied in addition to clearing house, exchange or other third party fees arising on delivery.

JPM may decide to charge on a per contract or a per notional value basis and may also require an additional physical delivery fee. The additional physical delivery fee may be imposed, for instance, where a commodity contract is settled physically and JPM is obligated to co-ordinate destination nominations, transport documentation, storage arrangements and liaise closely with a clearing house to arrange for the time-sensitive provision of commodities in accordance with exchange and clearing house rules and procedures. Physical delivery fees may be applied to a single delivery regardless of the notional value.

JPM's clearing charges for contracts capable of physical delivery cleared through Nasdaq OMX Stockholm AB are as follows:

Asset class	Cash delivery, exercise or assignment fee Up to \$ per contract	Physical delivery fee Up to \$ per contract	Additional physical delivery fee Up to \$ per delivery
Commodities/ Other	10.00	100.00	50,000.00
Financial contracts	5.00	50.00	25,000.00

2.1.3 Overdraft Interest Fees

Where JPM and the client have not pre-agreed a collateral financing arrangement and associated charges, the client's account may incur an overdraft which has not been arranged. For example, where a client has missed an exchange funding cut-off point in a given currency and where JPM is willing to continue to provide initial or variation margin and clear the client's positions, JPM may apply an overdraft interest fee. Overdraft interest rates will be applied to all individually segregated accounts and may in future be applied to omnibus accounts. The overdraft interest fees for core currencies in relation to Nasdaq OMX Stockholm AB are set out below:

Currency	Debit Interest Benchmark		Haircut
Danish Krone	Denmark Tom Next Deposit	plus	0.80%
Euro	Eonia	plus	0.80%
British Pounds	Overnight Libor	plus	0.80%
Norwegian Krone	Norwegian Overnight Deposit Rate	plus	0.85%
Swedish Krone	Stockholm Interbank Offered Rate	plus	0.80%
US Dollar	Fed Funds	plus	0.80%

2.2.1 EUREX CLEARING AG

For cleared derivatives the JPM clearing fees for a standard undiscounted client applied in addition to exchange, clearing house and other fees, will be:

Delivery type	F&O cash settled	F&O physically deliverable	OTC Cleared Derivatives
Asset Class	Standard undiscounted per contract clearing commission (\$)	Standard undiscounted per contract clearing commission (\$)	Standard undiscounted per ticker clearing fee (\$)
Interest rates	2.00	4.00	1500
Equity	2.00	4.00	N/A
Foreign exchange	2.00	4.00	N/A
Credit	2.00	4.00	N/A
Commodities	2.00	10.00	N/A

2.2.2 Clearing charges for contracts capable of physical delivery

JPM will generally charge additional higher fees to clear derivative transactions which are subject to physical delivery if held to maturity. Such fees reflect the additional operational arrangements, processing requirements and risk management arising where JPM is required to make or take physical delivery of physical instruments or commodities.

For futures and options contracts, JPM will generally charge fees on exercise or assignment of options or for physical or cash settlement of futures. These charges are applied in addition to clearing house, exchange or other third party fees arising on delivery.

For futures and options contracts, JPM may decide to charge on a per contract or a per notional value basis and may also require an additional physical delivery fee. The additional physical delivery fee may be imposed, for instance, where a commodity contract is settled physically and JPM is obligated to co-ordinate destination nominations, transport documentation, storage arrangements and liaise closely with a clearing house to arrange for the time-sensitive provision of commodities in accordance with exchange and clearing house rules and procedures. Physical delivery fees may be applied to a single delivery regardless of the notional value.

JPM currently has no equivalent physical delivery fees in relation to cleared OTC derivatives.

JPM's clearing charges for futures and options contracts capable of physical delivery cleared through Eurex Clearing AG are as follows:

Asset class	Cash delivery, exercise or assignment fee Up to \$ per contract	Physical delivery fee Up to \$ per contract	Additional physical delivery fee Up to \$ per delivery
Commodities/ Other	10.00	100.00	50,000.00
Financial contracts	5.00	50.00	25,000.00

2.2.3 Overdraft Interest Fees

Where JPM and the client have not pre-agreed a collateral financing arrangement and associated charges, the client's account may incur an overdraft which has not been arranged. For example, where a client has missed an exchange funding cut-off point in a given currency and where JPM is willing to continue to provide initial or variation margin and clear the client's positions, JPM may apply an overdraft interest fee. Overdraft interest rates will be applied to all individually segregated accounts and may in future be applied to omnibus accounts. The overdraft interest fees for core currencies in relation to Eurex Clearing AG are set out below:

Currency	Debit Interest Benchmark		Haircut
Swiss Francs	Spot Next Libor	Plus	0.85%
Euro	Eonia	plus	0.80%
British Pounds	Overnight Libor	plus	0.80%
US Dollar	Fed Funds	plus	0.80%

2.3.1 CC&G (Cassa Di Compensazione e Garanzia SpA)

For cleared derivatives the JPM clearing fees for a standard undiscounted client applied in addition to exchange, clearing house and other fees, will be:

Delivery type	F&O Cash Settled	F&O Physically Deliverable
Asset Class	Standard undiscounted per contract clearing commission (\$)	Standard undiscounted per contract clearing commission (\$)
Interest rates	3.00	6.00
Equity	3.00	6.00
Commodities	3.00	6.00

2.3.2 Clearing charges for contracts capable of physical delivery

JPM will generally charge additional higher fees to clear derivative transactions which are subject to physical delivery if held to maturity. Such fees reflect the additional operational arrangements, processing requirements and risk management arising where JPM is required to make or take physical delivery of physical instruments or commodities.

For futures and options contracts, JPM will generally charge fees on exercise or assignment of options or for physical or cash settlement of futures. These charges are applied in addition to clearing house, exchange or other third party fees arising on delivery.

For futures and options contracts, JPM may decide to charge on a per contract or a per notional value basis and may also require an additional physical delivery fee. The additional physical delivery fee may be imposed, for instance, where a commodity contract is settled physically and JPM is obligated to co-ordinate destination nominations, transport documentation, storage arrangements and liaise closely with a clearing house to arrange for the time-sensitive provision of commodities in accordance with exchange and clearing house rules and procedures. Physical delivery fees may be applied to a single delivery regardless of the notional value.

JPM's clearing charges for futures and options contracts capable of physical delivery cleared through CC&G are as follows:

Asset class	Cash delivery, exercise or assignment fee Up to \$ per contract	Physical delivery fee Up to \$ per contract	Additional physical delivery fee Up to \$ per delivery
Financial contracts	6.00	60.00	30,000

2.3.3 Overdraft Interest Fees

Where JPM and the client have not pre-agreed a collateral financing arrangement and associated charges, the client's account may incur an overdraft which has not been arranged. For example, where a client has missed an exchange funding cut-off point in a given currency and where JPM is willing to continue to provide initial or variation margin and clear the client's positions, JPM may apply an overdraft interest fee. Overdraft interest rates will be applied to all individually segregated accounts and may in future be applied to omnibus accounts. The overdraft interest fees for core currencies in relation to CC&G are set out below:

Currency	Debit Interest Benchmark		Haircut
Euro	Eonia	plus	0.80%

2.4.1 LCH.Clearnet S.A.

For cleared derivatives the JPM clearing fees for a standard undiscounted client applied, in addition to exchange, clearing house and other fees, will be:

Delivery type	F&O Cash Settled	F&O Physically Deliverable
Asset Class	Standard undiscounted per contract clearing commission (\$)	Standard undiscounted per contract clearing commission (\$)
Interest rates	2.00	4.00
Equity	2.00	4.00
Commodities	2.00	10.00

2.4.2 Clearing charges for contracts capable of physical delivery

JPM will generally charge additional higher fees to clear derivative transactions which are subject to physical delivery if held to maturity. Such fees reflect the additional operational arrangements, processing requirements and risk management arising where JPM is required to make or take physical delivery of physical instruments or commodities.

For futures and options contracts, JPM will generally charge fees on exercise or assignment of options or for physical or cash settlement of futures. These charges are applied in addition to clearing house, exchange or other third party fees arising on delivery.

For futures and options contracts, JPM may decide to charge on a per contract or a per notional value basis and may also require an additional physical delivery fee. The additional physical delivery fee may be imposed, for instance, where a commodity contract is settled physically and JPM is obligated to co-ordinate destination nominations, transport documentation, storage arrangements and liaise closely with a clearing house to arrange for the time-sensitive provision of commodities in accordance with exchange and clearing house rules and procedures. Physical delivery fees may be applied to a single delivery regardless of the notional value.

JPMs clearing charges for futures and options contracts capable of physical delivery cleared through LCH.Clearnet S.A. are as follows:

Asset class	Cash delivery, exercise or assignment fee Up to \$ per contract	Physical delivery fee Up to \$ per contract	Additional physical delivery fee Up to \$ per delivery
Commodities/ Other	10.00	100.00	50,000
Financial contracts	5.00	50.00	25,000

2.4.3 Overdraft Interest Fees

Where JPM and the client have not pre-agreed a collateral financing arrangement and associated charges, the client's account may incur an overdraft which has not been arranged. For example, where a client has missed an exchange funding cut-off point in a given currency and where JPM is willing to continue to provide initial or variation margin and clear the client's positions, JPM may apply an overdraft interest fee. Overdraft interest rates will be applied to all individually segregated accounts and may in future be applied to omnibus accounts. The overdraft interest fees for core currencies in relation to LCH.Clearnet S.A. are set out below:

Currency	Debit Interest Benchmark		Haircut
Euro	Eonia	plus	0.80%
British Pounds	Overnight Libor	plus	0.80%
US Dollar	Fed Funds	plus	0.80%

2.5.1 LCH.Clearnet Ltd.

For cleared derivatives the JPM clearing fees for a standard undiscounted client applied, in addition to exchange, clearing house and other fees, will be:

Delivery type	F&O Cash Settled	F&O Physically Deliverable	OTC Cleared Derivatives
Asset Class	Standard undiscounted per contract clearing commission (\$)	Standard undiscounted per contract clearing commission (\$)	Standard undiscounted per contract clearing fee (\$)
Interest rates	2.00	4.00	1,500
Equity	2.00	4.00	1,500
Commodities	2.00	10.00	

2.5.2 Clearing charges for contracts capable of physical delivery

JPM will generally charge additional higher fees to clear derivative transactions which are subject to physical delivery if held to maturity. Such fees reflect the additional operational arrangements, processing requirements and risk management arising where JPM is required to make or take physical delivery of physical instruments or commodities.

For futures and options contracts, JPM will generally charge fees on exercise or assignment of options or for physical or cash settlement of futures. These charges are applied in addition to clearing house, exchange or other third party fees arising on delivery.

For futures and options contracts, JPM may decide to charge on a per contract or a per notional value basis and may also require an additional physical delivery fee. The additional physical delivery fee may be imposed, for instance, where a commodity contract is settled physically and JPM is obligated to co-ordinate destination nominations, transport documentation, storage arrangements and liaise closely with a clearing house to arrange for the time-sensitive provision of commodities in accordance with exchange and clearing house rules and procedures. Physical delivery fees may be applied to a single delivery regardless of the notional value.

JPM currently has no equivalent physical delivery fees in relation to cleared OTC derivatives.

JPM's clearing charges for futures and options contracts capable of physical delivery cleared through LCH.Clearnet Ltd. are as follows:

Asset class	Cash delivery, exercise or assignment fee Up to \$ per contract	Physical delivery fee Up to \$ per contract	Additional physical delivery fee Up to \$ per delivery
Commodities/ Other	10.00	100.00	50,000
Financial contracts	5.00	50.00	25,000

2.5.3 Overdraft Interest Fees

Where JPM and the client have not pre-agreed a collateral financing arrangement and associated charges, the client's account may incur an overdraft which has not been arranged. For example, where a client has missed an exchange funding cut-off point in a given currency and where JPM is willing to continue to provide initial or variation margin and clear the client's positions, JPM may apply an overdraft interest fee. Overdraft interest rates will be applied to all individually segregated accounts and may in future be applied to omnibus accounts. The overdraft interest fees for core currencies in relation to LCH.Clearnet Ltd. are set out below:

Currency	Debit Interest Benchmark		Haircut
Euro	Eonia	plus	0.80%
British Pounds	Overnight Libor	plus	0.80%
US Dollar	Fed Funds	plus	0.80%

2.6.1 ECC (European Commodity Clearing AG)

For cleared derivatives the JPM clearing fees for a standard undiscounted client applied, in addition to exchange, clearing house and other fees, will be:

Delivery type	F&O Cash Settled	F&O Physically Deliverable
Asset Class	Standard undiscounted per contract clearing commission (\$)	Standard undiscounted per contract clearing commission (\$)
Commodities	3.00	15.00

2.6.2 Clearing charges for contracts capable of physical delivery

JPM will generally charge additional higher fees to clear derivative transactions which are subject to physical delivery if held to maturity. Such fees reflect the additional operational arrangements, processing requirements and risk management arising where JPM is required to make or take physical delivery of physical instruments or commodities.

For futures and options contracts, JPM will generally charge fees on exercise or assignment of options or for physical or cash settlement of futures. These charges are applied in addition to clearing house, exchange or other third party fees arising on delivery.

For futures and options contracts, JPM may decide to charge on a per contract or a per notional value basis and may also require an additional physical delivery fee. The additional physical delivery fee may be imposed, for instance, where a commodity contract is settled physically and JPM is obligated to co-ordinate destination nominations, transport documentation, storage arrangements and liaise closely with a clearing house to arrange for the time-sensitive provision of commodities in accordance with exchange and clearing house rules and procedures. Physical delivery fees may be applied to a single delivery regardless of the notional value.

JPM's clearing charges for futures and options contracts capable of physical delivery cleared through ECC (European Commodity Clearing AG) are as follows:

Asset class	Cash delivery, exercise or assignment fee Up to \$ per contract	Physical delivery fee Up to \$ per contract	Additional physical delivery fee Up to \$ per delivery
Commodities/ Other	15.00	150.00	75,000

2.6.3 Overdraft Interest Fees

Where JPM and the client have not pre-agreed a collateral financing arrangement and associated charges, the client's account may incur an overdraft which has not been arranged. For example, where a client has missed an exchange funding cut-off point in a given currency and where JPM is willing to continue to provide initial or variation margin and clear the client's positions, JPM may apply an overdraft interest fee. Overdraft interest rates will be applied to all individually segregated accounts and may in future be applied to omnibus accounts. The overdraft interest fees for core currencies in relation to ECC (European Commodity Clearing AG) are set out below:

Currency	Debit Interest Benchmark		Haircut
Euro	Eonia	plus	0.80%



2.7.1 BME Clearing, S.A. (“BME Clearing”)

For cleared derivatives the JPM clearing fees for a standard undiscounted client applied in addition to exchange, clearing house and other fees, will be:

Delivery type	F&O Cash Settled	F&O Physically Deliverable
Asset Class	Standard undiscounted per contract clearing commission (\$)	Standard undiscounted per contract clearing commission (\$)
Interest rates	3.00	6.00
Equity	3.00	6.00

2.7.2 Clearing charges for contracts capable of physical delivery

JPM will generally charge additional higher fees to clear derivative transactions which are subject to physical delivery if held to maturity. Such fees reflect the additional operational arrangements, processing requirements and risk management arising where JPM is required to make or take physical delivery of physical instruments or commodities.

For futures and options contracts, JPM will generally charge fees on exercise or assignment of options or for physical or cash settlement of futures. These charges are applied in addition to clearing house, exchange or other third party fees arising on delivery.

For futures and options contracts, JPM may decide to charge on a per contract or a per notional value basis and may also require an additional physical delivery fee. The additional physical delivery fee may be imposed, for instance, where a contract is settled physically and JPM is obligated to liaise closely with a clearing house to arrange for the time-sensitive provision of securities in accordance with exchange and clearing house rules and procedures. Physical delivery fees may be applied to a single delivery regardless of the notional value.

JPM's clearing charges for futures and options contracts capable of physical delivery cleared through BME Clearing are as follows:

Asset class	Cash delivery, exercise or assignment fee Up to \$ per contract	Physical delivery fee Up to \$ per contract	Additional physical delivery fee Up to \$ per delivery
Financial contracts	6.00	60.00	30,000

2.7.3 Overdraft Interest Fees

Where JPM and the client have not pre-agreed a collateral financing arrangement and associated charges, the client's account may incur an overdraft which has not been arranged. For example, where a client has missed an exchange funding cut-off point in a given currency and where JPM is willing to continue to provide initial or variation margin and clear the client's positions, JPM may apply an overdraft interest fee. Overdraft interest rates will be applied to all individually segregated accounts and may in future be applied to omnibus accounts. The overdraft interest fees for core currencies in relation to BME Clearing are set out below:

Currency	Debit Interest Benchmark		Haircut
Euro	Eonia	plus	0.80%

2.8.1 LME Clear Limited (“LME Clear”)

For cleared derivatives the JPM clearing fees for a standard undiscounted client applied, in addition to exchange, clearing house and other fees, will be:

Delivery type	F&O Cash Settled	F&O Physically Deliverable
Asset Class	Standard undiscounted per contract clearing commission (\$)	Standard undiscounted per contract clearing commission (\$)
Commodities	12.50	25.00

2.8.2 Clearing charges for contracts capable of physical delivery

JPM will generally charge additional higher fees to clear derivative transactions which are subject to physical delivery if held to maturity. Such fees reflect the additional operational arrangements, processing requirements and risk management arising where JPM is required to make or take physical delivery of physical instruments or commodities.

For futures and options contracts, JPM will generally charge fees on exercise or assignment of options or for physical or cash settlement of futures. These charges are applied in addition to clearing house, exchange or other third party fees arising on delivery.

For futures and options contracts, JPM may decide to charge on a per contract or a per notional value basis and may also require an additional physical delivery fee. The additional physical delivery fee may be imposed, for instance, where a commodity contract is settled physically and JPM is obligated to co-ordinate destination nominations, transport documentation, storage arrangements and liaise closely with a clearing house to arrange for the time-sensitive provision of commodities in accordance with exchange and clearing house rules and procedures. Physical delivery fees may be applied to a single delivery regardless of the notional value.

JPM's clearing charges for futures and options contracts capable of physical delivery cleared through LME Clear are as follows:

Asset class	Cash delivery, exercise or assignment fee Up to \$ per contract	Physical delivery fee Up to \$ per contract	Additional physical delivery fee Up to \$ per delivery
Commodities/ Other	25.00	250.00	75,000

2.8.3 Overdraft Interest Fees

Where JPM and the client have not pre-agreed a collateral financing arrangement and associated charges, the client's account may incur an overdraft which has not been arranged. For example, where a client has missed an exchange funding cut-off point in a given currency and where JPM is willing to continue to provide initial or variation margin and clear the client's positions, JPM may apply an overdraft interest fee. Overdraft interest rates will be applied to all individually segregated accounts and may in future be applied to omnibus accounts. The overdraft interest fees for core currencies in relation to LME Clear are set out below:

Currency	Debit Interest Benchmark		Haircut
Euro	Eonia	plus	0.80%
British Pounds	Overnight Libor	plus	0.80%
US Dollar	Fed Funds	plus	0.80%
Yen	Spot Next Libor	Plus	0.80%

2.9.1 ICE Clear Europe

For cleared derivatives the JPM clearing fees for a standard undiscounted client applied, in addition to exchange, clearing house and other fees, will be:

Delivery type	F&O Cash Settled	F&O Physically Deliverable	OTC Cleared Derivatives
Asset Class	Standard undiscounted per contract clearing commission (\$)	Standard undiscounted per contract clearing commission (\$)	Standard undiscounted per contract clearing fee (\$)
Interest rates	2.00	4.00	1,500
Equity	2.00	4.00	1,500
Commodities	2.00	10.00	

2.9.2 Clearing charges for contracts capable of physical delivery

JPM will generally charge additional higher fees to clear derivative transactions which are subject to physical delivery if held to maturity. Such fees reflect the additional operational arrangements, processing requirements and risk management arising where JPM is required to make or take physical delivery of physical instruments or commodities.

For futures and options contracts, JPM will generally charge fees on exercise or assignment of options or for physical or cash settlement of futures. These charges are applied in addition to clearing house, exchange or other third party fees arising on delivery

For futures and options contracts, JPM may decide to charge on a per contract or a per notional value basis and may also require an additional physical delivery fee. The additional physical delivery fee may be imposed, for instance, where a commodity contract is settled physically and JPM is obligated to co-ordinate destination nominations, transport documentation, storage arrangements and liaise closely with a clearing house to arrange for the time-sensitive provision of commodities in accordance with exchange and clearing house rules and procedures. Physical delivery fees may be applied to a single delivery regardless of the notional value.

JPM's clearing charges for futures and options contracts capable of physical delivery cleared through ICE Clear Europe are as follows:

Asset class	Cash delivery, exercise or assignment fee Up to \$ per contract	Physical delivery fee Up to \$ per contract	Additional physical delivery fee Up to \$ per delivery
Commodities/ Other	10.00	100.00	50,000
Financial contracts	5.00	50.00	25,000

2.9.3 Overdraft Interest Fees

Where JPM and the client have not pre-agreed a collateral financing arrangement and associated charges, the client's account may incur an overdraft which has not been arranged. For example, where a client has missed an exchange funding cut-off point in a given currency and where JPM is willing to continue to provide initial or variation margin and clear the client's positions, JPM may apply an overdraft interest fee. Overdraft interest rates will be applied to all individually segregated accounts and may in future be applied to

omnibus accounts. The overdraft interest fees for core currencies in relation to LME Clear are set out below:

Currency	Debit Interest Benchmark		Haircut
Euro	Eonia	plus	0.80%
British Pounds	Overnight Libor	plus	0.80%
US Dollar	Fed Funds	plus	0.80%
Yen	Spot Next Libor	Plus	0.80%