



LICENSING AND DATA FEE SCHEDULE - 2024

The fees set out in this licence fee schedule apply as of January 1, 2024.

Updated as of October 1, 2024

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If you have any questions regarding the licensing of ICE Benchmark Administration products and services, please contact the licensing team as follows:

Telephone: +44 (0) 20 3540 7200 (UK)

Email: iba-licensing@ice.com

1. LIBOR®

Important Information regarding LIBOR®:

All LIBOR settings have ceased to be published.

From February 2014, ICE Benchmark Administration Limited (IBA) administered and published LIBOR using data contributed by banks on the applicable LIBOR currency panel. Each LIBOR setting was calculated in accordance with the relevant “panel bank” LIBOR calculation methodology (i.e. using panel bank input data contributions).

For any currency, IBA stopped publishing LIBOR settings calculated using the “panel bank” LIBOR methodology in that currency following the departure of a majority of the relevant panel banks¹. However, the UK Financial Conduct Authority (“FCA”) decided to use its regulatory powers under the UK Benchmarks Regulation (“BMR”) to compel² IBA to continue to publish some LIBOR settings after these departures using a changed, unrepresentative, “synthetic” methodology³ for various temporary periods. The last remaining “synthetic” LIBOR settings ceased to be published on 30 September 2024⁴.

Under the BMR, the use of “synthetic” LIBOR by UK-supervised entities in regulated financial contracts, instruments and investment fund performance measurement was prohibited subject to certain UK Financial Conduct Authority (“FCA”) permissions for legacy use by UK-supervised entities, which did not extend to use in “Cleared Derivatives” (whether directly or indirectly cleared)⁵. The FCA also published modifications to the BMR as it applied to “synthetic” LIBOR settings⁶.

Please see the relevant FCA BMR Notices for full details regarding the exercise of the FCA’s powers in relation to LIBOR under the BMR, including the “synthetic” methodologies, use permissions and BMR modifications. Please see the [FCA’s LIBOR transition website](#) for information regarding LIBOR transition.

Please also see [IBA’s LIBOR webpage](#) for further information in relation to LIBOR. Please also read [IBA’s benchmark and other information notice and disclaimer](#).

Please note the use of LIBOR in jurisdictions outside the United Kingdom and by entities subject to the oversight of other regulatory authorities may be restricted or prohibited by law in those jurisdictions and by the requirements of such regulatory authorities.

The material and information located in this document and on IBA’s website is provided for information purposes only and is not intended to be and should not be relied upon as legal, financial or any other form of advice regarding your use of LIBOR. Please ensure you take legal and financial advice in all relevant jurisdictions to ensure you understand and are prepared for the impact of the cessation or unrepresentativeness of any LIBOR settings on you and your counterparties, and to ensure you understand the implications of the exercise of the FCA’s powers under the BMR.

¹ See the FCA [announcement](#) on future cessation and loss of representativeness of the LIBOR benchmarks on 5 March 2021. Publication of all CHF and EUR LIBOR settings, the 1-Week and 2-Months USD LIBOR settings, and the Overnight/Spot Next, 1 Week, 2-Months and 12-Months GBP and JPY LIBOR settings ceased after 31 December 2021. Publication of the Overnight and 12-Months USD LIBOR settings ceased after 30 June 2023.

² Please refer to the applicable FCA BMR Article 23A and Article 21(3) Notices.

³ Please refer to the applicable FCA BMR Article 23D Notices. The “synthetic” methodology was not based on panel bank contributions and resulting settings were not representative of the underlying market or economic reality they were previously intended to measure, including for the purposes of the BMR.

⁴ Publication of the 1-, 3- and 6-Months “synthetic” JPY LIBOR settings ceased after 30 December 2022. Publication of the 1- and 6-Months “synthetic” GBP LIBOR settings ceased after 31 March 2023. Publication of the 3-Months “synthetic” GBP LIBOR setting ceased after 28 March 2024. Publication of the 1-, 3- and 6-Months “synthetic” USD LIBOR settings ceased after 30 September 2024.

⁵ Please refer to the applicable the relevant FCA BMR Article 23C Notices.

⁶ Please refer to the applicable FCA BMR Annex 4 Notices.

A. Consumers / Users of LIBOR (Master Licence Agreement Schedule B or B2)

Any entity or person that uses new or historical LIBOR rate information in valuation and pricing activities (including but not limited to collateral calculations, interest rate calculations, pricing curves, discount curves and forward curves), and / or uses LIBOR rate information as a reference rate in transactions and financial products (including but not limited to swaps, FRAs, derivatives, notes, bonds, mortgages and loans), or that accesses or provides internal users with access to LIBOR information in connection with the same, is required to enter into a Master Licence Agreement (together with the appropriate Schedule thereto) to obtain a LIBOR Usage Licence.

The fees payable in respect of a LIBOR Usage Licence are set out below.

Licence/Entity Type	Licence Fee (per annum)	Invoicing and Payment
Financial Entity / Financial Institution		
<ul style="list-style-type: none"> • Usage Licence* - (Master Licence Agreement Schedule B) 	All-Currencies#: USD 32,000 Single-Currency#: USD 16,000 – For depository institutions: <ul style="list-style-type: none"> • USD 2,000 if total assets° between USD 1.5bn and USD 10bn; • fee waived if total assets° under USD 1.5bn 	Annually, in advance (see notes below)
<ul style="list-style-type: none"> • All-Currencies Historical Access and Usage Licence* - (Master Licence Agreement Schedule B2) 	USD 8,000 – For depository institutions: <ul style="list-style-type: none"> • USD 1,000 if total assets° between USD 1.5bn and USD 10bn; • Fee waived if total assets° under USD 1.5bn 	
Central Bank / Multilateral Development Bank		
<ul style="list-style-type: none"> • Usage Licence* - (Master Licence Agreement Schedule B) 	All currencies#: USD 24,000 Single-Currency#: USD 16,000	Annually, in advance (see notes below)
<ul style="list-style-type: none"> • All-Currencies Historical Access and Usage Licence* - (Master Licence Agreement Schedule B2) 	USD 8,000	
Non-Financial Entity / Non-Financial Institution		
<ul style="list-style-type: none"> • Usage Licence* - (Master Licence Agreement Schedule B) 	All currencies#: USD 13,000 Single currency#: USD 8,000	Annually, in advance (see notes below)

• **All Currencies Historical Access and Usage Licence* -**
(Master Licence Agreement Schedule B2)

USD 4,000

Effect on your Licence of expected LIBOR cessations:

1. The publication of “synthetic” GBP LIBOR ceased on 28 March 2024. The publication of “synthetic” USD LIBOR ceased on 30 September 2024.
2. Following the cessation of GBP LIBOR on 28 March 2024 and until the cessation of USD LIBOR on 30 September 2024, IBA treated an “All-Currencies LIBOR Usage Licence” as a “Single-Currency USD LIBOR Usage Licence” subject to the appropriate licence fees for that period (priced as USD 16,000 - or USD 8,000 for a Non-Financial Entity/Institution - on an annualised basis)~.
3. Following the cessation of USD LIBOR on 30 September 2024, IBA is treating a “Single-Currency USD LIBOR Usage Licence” as an “All-Currencies Historical Access and Usage Licence” subject to the appropriate licence fees for that period (priced as USD 8,000 - or USD 4,000 for a Non-Financial Entity/Institution - on an annualised basis)~.
4. Following the cessation of GBP LIBOR on 28 March 2024 IBA is treating a “Single-Currency GBP LIBOR Usage Licence” as an “All-Currencies Historical Access and Usage Licence” subject to the appropriate licence fees for that period (priced as USD 8,000 - or USD 4,000 for a Non-Financial Entity/Institution - on an annualised basis)~.
5. IBA is invoicing Customers with an “All-Currencies LIBOR Usage Licence” or a “Single-Currency USD or GBP LIBOR Usage Licence” on the basis of the cessation dates set out above. IBA reserves the right to amend invoices or to submit further invoices as required.

* LIBOR Usage licences included rights to use newly published LIBOR benchmark data for the currency or currencies specified under the licence for internal valuation and pricing activities and as a reference rate in transactions and financial products, and also include rights to access and use historical LIBOR settings published by IBA for all currencies (i.e. data published by ICE for the first time over 7 calendar days earlier) for the same purposes.

“All-Currencies” Usage Licences included specified usage rights in respect of newly published LIBOR data for GBP and USD. “Single-Currency” Usage Licences include (or included) specified usage rights in respect of newly published LIBOR data for USD (or GBP), as specified. See above in relation to the LIBOR settings that IBA expects to be able to publish during 2024.

° Dependent upon the entity’s total asset size as at the end of the preceding financial reporting year; USD amount as stated above or local currency equivalent. Where total assets exceed USD 10bn, the standard fees apply.

* “All Currencies Historical Access and Usage Licences” include rights to access and use historical LIBOR settings published by IBA for all currencies (i.e. data published by ICE for the first time over 7 calendar days earlier) for internal valuation and pricing activities and as a reference rate in transactions and financial products. Licensees who need to continue to be able to access and use historical LIBOR settings and make historical LIBOR settings available to internal users after cessation should ensure they maintain an “All Currencies Historical Access and Usage Licence”. The fee for this type of licence (or the equivalent amount) is waived for former panel banks.

~ Please note, upon the permanent cessation of a LIBOR currency, IBA treats your “Single-Currency LIBOR Usage Licence” or “All-Currencies Historical Access and Usage Licence”, as applicable, as including all historical LIBOR benchmark data in the relevant currency, even if first published fewer than 7 calendar days earlier.

In addition to a LIBOR Usage Licence fee, entities or persons that received real-time LIBOR rate information from a market data vendor / redistributor may be required to pay end-user fees by such market data vendor / redistributor. Please contact your market data vendor / redistributor for more information.

B. Market Data Vendors / Redistributors (ICE Data Quote Vendor Agreement)

Market data vendors / redistributors that redistribute new or historical LIBOR rate information are required to enter into an ICE Data Quote Vendor Agreement to obtain a LIBOR Redistribution Licence.

The fees payable in respect of a LIBOR Redistribution Licence[#] are set out below.

Licence Type	Licence Fee* <i>(per annum unless otherwise stated)</i>	Invoicing and Payment
Redistribution - Real-Time	USD 75,000 plus USD 12 per end-user per month	Up-front licence fee: annually, in advance End-user fees: monthly, in arrears
Redistribution - Intraday (4-hour delay)	USD 50,000	Annually, in advance
Redistribution - Delayed (24-hour delay)	USD 15,000	Annually, in advance
Redistribution - Historical (7-day delay)	USD 10,000	Annually, in advance

[#]Following the cessation of LIBOR and in accordance with previous communications, ICE Data is treating your Redistribution Licence as no longer providing rights to redistribute Real Time, Intraday or Delayed LIBOR rate information, and instead is treating your Redistribution Licence as providing only certain rights to redistribute Historical LIBOR rate information in all currencies.

**Customers which have both a Usage Licence and a Redistribution Licence will only be charged the higher of the two respective licence fees.*

Market data vendors / redistributors must also report users.

C. Trading / Clearing Venues (Master Licence Agreement Schedule D)

A trading / clearing venue that creates, lists, trades, clears, settles, and / or otherwise maintains products for which new or historical LIBOR rate information serves directly or indirectly as, or as part of, an input or underlying reference, is required to enter into a Master Licence Agreement (together with the appropriate Schedule thereto) to obtain a LIBOR Trading / Clearing Venue Licence.

The fees payable in respect of a LIBOR Trading / Clearing Venue Licence are set out below.

1. *Standardized / Exchange Traded Contracts (e.g. futures)*

A transaction-related fee for every lot traded (per side) and / or cleared (per contract), as shown in the following table. A minimum annual fee also applies.

Fee Type	Trading and Clearing	Trading Only	Clearing Only
Per lot fee	USD 0.03	USD 0.01	USD 0.02
Minimum annual fee	USD 100,000	USD 50,000	USD 50,000

2. *Non-Standardized / OTC Contracts (e.g. swaps)*

A transaction-related fee, charged on a per-million notional basis in the currency of the transaction traded (per side) and / or cleared (per contract), as shown in the following table. A minimum annual fee also applies.

Fee Type	Transaction Maturity	Trading and Clearing	Trading Only	Clearing Only
Per million notional fee	0 to 2 years	0.03	0.01	0.02
	2 to 5 years	0.06	0.02	0.04
	5 to 10 years	0.09	0.03	0.06
	10 to 30 years	0.15	0.05	0.1
	30+ years	0.24	0.08	0.16
Minimum annual fee		USD 100,000	USD 50,000	USD 50,000

Per lot and per million notional fees are invoiced and payable quarterly, in arrears, based on the total cleared / traded volume of each licensed product. Minimum annual fees are invoiced and payable annually, in advance.

3. *Historical Access and Use (Post-termination or expiry of a Trading / Clearing Venue Licence)*

An Historical Access and Use Licence (Post-termination or expiry of a Trading / Clearing Venue Licence) is available where users require continued access to and use of the historical data in connection with records maintenance, audit, verification, and internal analysis and projections, related to expired, de-listed, terminated or other historical products under their LIBOR Trading / Clearing Venue Licence, with an annual fee set out below:

	Trading and Clearing	Trading Only	Clearing Only
Annual fee	USD 50,000	USD 25,000	USD 25,000

Annual fees are invoiced and payable annually, in advance.

D. Derived Benchmarks (Master Licence Agreement Schedule P)

Any entity or person that derives or maintains an interest rate benchmark for which any new or historical LIBOR rate information serves directly or indirectly as, or as part of, an input or underlying reference is required to enter into a Master Licence Agreement (together with the appropriate Schedule thereto) to obtain a LIBOR Derived Benchmark Licence.

The fees payable in respect of a LIBOR Derived Benchmark Licence are set out below.

- A minimum annual fee of USD 50,000, payable annually in advance, within 30 days of the date on which the licence is effective and thereafter on the 1st January (or next business day) of every year of the term of the licence; and
- 25% of the gross revenues (meaning total amount of sales recognised for the given period, prior to any deductions) received by any Customer Group Company (as defined in the LIBOR derived benchmark licence) (or its agent, contractor or other service provider) in relation to all fees (however described) or other revenue generated from any Customer Group Company's clients and other users from time to time for the licensing or use of the derived interest rate benchmark (the "Licensed Product Revenue"), to be paid quarterly in arrears, where, in any calendar year, this amount exceeds the minimum annual fee described above.

Where a Customer Group Company sells the derived interest rate benchmark in combination with other products, then the Licensed Product Revenue will be calculated as 25% of the fraction $C / (C+D)$ of the gross revenues received in relation to all fees or other revenue generated for the licensing or use of the combination product (where C = the fair market value of the derived interest rate benchmark if it were sold separately, and D = the fair market value of each other product in the combination product if it were sold separately).

Example: if the combination product is sold for USD 20,000 and consists of the Licensed Product (which would be sold separately for USD 12,000 as a fair market value) and one other product (which would be sold separately for USD 18,000 as a fair market value), then the Licensed Product Revenue would be USD 2,000: i.e. $20,000 \times (12,000 / (12,000 + 18,000)) \times 25\% = 2,000$.

Where a Customer Group Company derives an interest rate benchmark using LIBOR and other inputs, then the percentage of the gross revenues used to calculate the Licensed Product Revenue may be reduced based on the relative values of such inputs and their usage in the derivation, as agreed by IBA in consultation with the Customer.

For the avoidance of doubt, if a Customer Group Company does not receive or generate any Licensed Product Revenue for the licensing or use of the derived interest rate benchmark, the fees payable in respect of a LIBOR derived benchmark licence shall be USD 50,000 per annum.

An Historical Access and Use Licence (Post-termination or expiry of a LIBOR Derived Benchmark Licence) is available where users require continued access to and use of the historical data in connection with their LIBOR Derived Benchmark Licence, with an annual fee of USD 25,000.

2. ICE SWAP RATE®

Important Information regarding ICE Swap Rate:

- IBA no longer publishes ICE Swap Rate Settings based on LIBOR.
- IBA currently publishes the following ICE Swap Rate settings:
 - EUR EURIBOR Rates 1100
 - EUR EURIBOR Rates 1200
 - GBP SONIA Rates 1100
 - GBP SONIA Spread-Adjusted⁷
 - USD SOFR Rates 1100
 - USD SOFR Spread-Adjusted⁸
 - USD SOFR ICE Swap Rate Swap Spreads 1100
 - EUR €STR ICE Swap Rates 1100

⁷ The settings are determined in line with the methodology proposed by the Non-Linear Task Force (NLTF) of the Working Group on Sterling Risk-Free Reference Rates in its paper [“Transition in Sterling Non-Linear Derivatives referencing GBP LIBOR ICE Swap Rate \(ISR\)”](#). Please note that IBA does not, by determining and publishing these settings, endorse the suitability of the NLTF proposed methodology for any particular purpose.

⁸ The settings are determined in line with the methodology suggested by the Alternative Reference Rates Committee (ARRC) in its white paper [“Suggested Fallback Formula for the USD LIBOR ICE Swap Rate”](#). Please note that IBA does not, by determining and publishing these settings, endorse the suitability of the ARRC suggested methodology for any particular purpose.

A. Consumers / Users of ICE Swap Rate (Master Licence Agreement Schedule G)

Any entity or person that uses new or historical ICE Swap Rate information in valuation and pricing activities (including but not limited to collateral calculations, interest rate calculations, pricing curves, discount curves and forward curves), and / or uses ICE Swap Rate information as a reference rate in transactions and financial products (including but not limited to swaptions, constant maturity swaps, swaps, FRAs, derivatives, notes, bonds, mortgages and loans), or that accesses or provides internal users access to ICE Swap Rate information in connection with the same, is required to enter into a Master Licence Agreement (together with the appropriate Schedule thereto) to obtain an ICE Swap Rate Usage Licence.

The fees payable in respect of an ICE Swap Rate Usage Licence are set out below.

Licence Type	Licence Fee (per annum)	Invoicing and Payment
Usage Licence - Financial Entity/Financial Institution (Master Licence Agreement Schedule G)	All currencies#: USD 64,000 Single currency#: USD 40,000	Annually, in advance
Usage Licence - Central Bank / Multilateral Development Bank (Master Licence Agreement Schedule G)	All currencies#: USD 48,000 Single currency#: USD 40,000	Annually, in advance
Usage Licence - Non-Financial Entity/Non-Financial Institution (Master Licence Agreement Schedule G)	All currencies#: USD 32,000 Single currency#: USD 20,000	Annually, in advance

See above in relation to the ICE Swap Rate settings that IBA expects to be able to determine or publish during 2024, and those which have ceased.

In addition to a usage licence fee, entities or persons that receive real-time ICE Swap Rate information from a market data vendor / redistributor may be required to pay end-user fees by such market data vendor / redistributor. Please contact your market data vendor / redistributor for more information.

B. Market Data Vendors / Redistributors (ICE Data Quote Vendor Agreement)

Market data vendors / redistributors that redistribute new or historical ICE Swap Rate information are required to enter into an ICE Data Quote Vendor Agreement to obtain a Redistribution Licence.

The fees payable in respect of an ICE Swap Rate Redistribution Licence are set out below.

Licence Type	Licence Fee* (per annum unless otherwise stated)	Invoicing and Payment
Redistribution - Real-Time	USD 85,000 plus USD 8 per end-user per month	Up-front licence fee: annually, in advance End-user fees: monthly, in arrears
Redistribution - Intraday (4-hour delay)	USD 55,000	Annually, in advance
Redistribution - Delayed (24-hour delay)	USD 16,000	Annually, in advance

**Customers which have both a Usage Licence and a Redistribution Licence will only be charged the higher of the two respective licence fees*

Market data vendors / redistributors must also report users.

C. Trading / Clearing Venue Licence (Master Licence Agreement Schedule I)

A trading / clearing venue that creates, lists, trades, clears, settles, and / or otherwise maintains products for which new or historical ICE Swap Rate information serves directly or indirectly as, or as part of, an input or underlying reference is required to enter into a Master Licence Agreement (together with the appropriate Schedule thereto) to obtain an ICE Swap Rate Trading / Clearing Venue Licence.

The fees payable in respect of an ICE Swap Rate Trading / Clearing Venue Licence are set out below.

- A minimum annual fee of: USD 52,500 for trading only, USD 52,500 for clearing only, or USD 105,000 for trading and clearing, payable annually in advance, within 30 days of the date on which the licence is effective and thereafter on the 1st January (or next business day) of every year of the term of the licence; and
- 10% of the gross revenues (meaning total amount of sales recognised for the given period, prior to any deductions) received by any Customer Group Company (as defined in the ICE Swap Rate trading / clearing venue licence) (or its agent, contractor or other service provider) in relation to all fees (however described) or other revenue generated from any Customer Group Company's clients and other users from time to time of trading or clearing services in respect of products for which ICE Swap Rate information serves directly or indirectly as, or as part of, an input or underlying reference (the "Licensed Product Revenue"), to be paid quarterly in arrears, where, in any calendar year, this amount exceeds the minimum annual fee described above.

For the avoidance of doubt, if a Customer Group Company does not receive or generate any Licensed Product Revenue for trading or clearing services in respect of products for which ICE Swap Rate information serves directly or indirectly as, or as part of, an input or underlying reference, the fees payable in respect of an ICE Swap Rate trading / clearing venue licence shall be USD 52,500 for trading only, USD 52,500 for clearing only, or USD 105,000 for trading and clearing, per annum.

D. Derived Benchmarks (Master Licence Agreement Schedule T)

Any entity or person that derives or maintains an interest rate benchmark for which any new or historical ICE Swap Rate information serves directly or indirectly as, or as part of, an input or underlying reference is required to enter into a Master Licence Agreement (together with the appropriate Schedule thereto) to obtain an ICE Swap Rate Derived Benchmark Licence.

The fees payable in respect of an ICE Swap Rate Derived Benchmark Licence are set out below.

- A minimum annual fee of USD 50,000, payable annually in advance, within 30 days of the date on which the licence is effective and thereafter on the 1st January (or next business day) of every year of the term of the licence; and
- 25% of the gross revenues (meaning total amount of sales recognised for the given period, prior to any deductions) received by any Customer Group Company (as defined in the ICE Swap Rate derived benchmark licence) (or its agent, contractor or other service provider) in relation to all fees (however described) or other revenue generated from any Customer Group Company's clients and other users from time to time for the licensing or use of the derived interest rate benchmark (the "Licensed Product Revenue"), to be paid quarterly in arrears, where, in any calendar year, this amount exceeds the minimum annual fee described above.

Where a Customer Group Company sells the derived interest rate benchmark in combination with other products, then the Licensed Product Revenue will be calculated as 25% of the fraction $C / (C+D)$ of the gross revenues received in relation to all fees or other revenue generated for the licensing or use of the combination product (where C = the fair market value of the derived interest rate benchmark if it were sold separately, and D = the fair market value of each other product in the combination product if it were sold separately).

Example: if the combination product is sold for USD 20,000 and consists of the Licensed Product (which would be sold separately for USD 12,000 as a fair market value) and one other product (which would be sold separately for USD 18,000 as a fair market value), then the Licensed Product Revenue would be USD 2,000: i.e. $20,000 \times (12,000 / (12,000 + 18,000)) \times 25\% = 2,000$.

Where a Customer Group Company derives an interest rate benchmark using ICE Swap Rate and other inputs, then the percentage of the gross revenues used to calculate the Licensed Product Revenue may be reduced based on the relative values of such inputs and their usage in the derivation, as agreed by IBA in consultation with the Customer.

For the avoidance of doubt, if a Customer Group Company does not receive or generate any Licensed Product Revenue for the licensing or use of the derived interest rate benchmark, the fees payable in respect of an ICE Swap Rate derived benchmark licence shall be USD 50,000 per annum.

3. LBMA PRECIOUS METALS

A. Consumers / Users of the LBMA Gold Price and / or the LBMA Silver Price (Master Licence Agreement Schedule J)

Any entity or person that uses new or historical LBMA Gold Price and / or LBMA Silver Price information in valuation and pricing activities (including but not limited to the valuation of holdings, inventories or portfolios) and / or as a reference rate in transactions and financial products (including but not limited to swaps, forwards, structured products, annuity products and commercial contracts), or that accesses or provides internal users access to LBMA Gold Price and / or LBMA Silver Price information in connection with the same, is required to enter into a Master Licence Agreement (together with the appropriate Schedule thereto) to obtain an LBMA Gold Price and / or LBMA Silver Price Usage Licence.

The fees payable in respect of an LBMA Gold Price and / or LBMA Silver Price Usage Licence are set out below.

1. LBMA Gold Price

Licence Type	Licence Fee (per annum)	Invoicing and Payment
Usage Licence - Financial Entity/Financial Institution	USD 28,000	Annually, in advance
Usage Licence - Central Bank / Multilateral Development Bank	USD 15,000	Annually, in advance
Usage Licence - Non-Financial Entity/Non-Financial Institution	USD 8,000	Annually, in advance

2. LBMA Silver Price

Licence Type	Licence Fee (per annum)	Invoicing and Payment
Usage Licence - Financial Entity/Financial Institution	USD 14,000	Annually, in advance
Usage Licence - Central Bank / Multilateral Development Bank	USD 7,500	Annually, in advance
Usage Licence - Non-Financial Entity/Non-Financial Institution	USD 4,000	Annually, in advance

In addition to usage licence fees, entities or persons who receive real-time LBMA Gold Price and / or LBMA Silver Price information from a market data vendor / redistributor may be required to pay end-user fees by such market data vendor / redistributor. Please contact your market data vendor / redistributor for more information.

B. Market Data vendors / Redistributors (ICE Data Quote Vendor Agreement)

Market data vendors / redistributors that redistribute new or historical LBMA Gold Price and / or LBMA Silver Price information are required to enter into an ICE Data Quote Vendor Agreement to obtain an LBMA Gold Price / LBMA Silver Price Redistribution Licence.

The fees payable in respect of an LBMA Gold Price / LBMA Silver Price Redistribution Licence are set out below.

1. LBMA Gold Price

Licence Type	Licence Fee* <i>(per annum. unless otherwise stated)</i>	Invoicing and Payment
Redistribution Real-Time	USD 30,000 plus USD 30 per end-user per month	Up-front licence fee: annually, in advance End-user fees: monthly, in arrears
Redistribution - Intraday (4-hour delay)	USD 22,000	Annually, in advance
Redistribution - Delayed (after Midnight UK time)	USD 8,000	Annually, in advance

2. LBMA Silver Price

Licence Type	Licence Fee* <i>(per annum unless otherwise stated)</i>	Invoicing and Payment
Redistribution Real-Time	USD 30,000 plus USD 25 per end-user per month	Up-front licence fee: annually, in advance End-user fees: monthly, in arrears
Redistribution - Intraday (4-hour delay)	USD 22,000	Annually, in advance
Redistribution - Delayed (after Midnight UK time)	USD 8,000	Annually, in advance

**Customers which have both a Usage Licence and a Redistribution Licence will only be charged the higher of the two respective licence fees*

Market data vendors / redistributors must also report users.

C. Trading / Clearing Venues (Master Licence Agreement Schedule L)

A trading / clearing venue that creates, lists, trades, clears, settles, and / or otherwise maintains products for which new or historical LBMA Gold Price and / or LBMA Silver Price information serves directly or indirectly as, or as part of, an input or underlying reference is required to enter into a Master Licence Agreement (together with the appropriate Schedule thereto) to obtain an LBMA Gold Price and / or LBMA Silver Price trading / clearing venue licence.

The fees payable in respect of an LBMA Gold Price and / or LBMA Silver Price trading / clearing venue licence are set out below.

1. LBMA Gold Price

A transaction-related fee for every ounce traded (per side) and / or cleared (per contract), as shown in the following table. A minimum annual fee also applies.

Fee Type	Trading and Clearing	Trading Only	Clearing Only
Per ounce fee	USD 0.004	USD 0.0013	USD 0.0027
Minimum annual fee	USD 12,500	USD 6,250	USD 6,250

2. LBMA Silver Price

A transaction-related fee for every ounce traded (per side) and / or cleared (per contract), as shown in the following table. A minimum annual fee also applies.

Fee Type	Trading and Clearing	Trading Only	Clearing Only
Per ounce fee	USD 0.00008	USD 0.000026	USD 0.000054
Minimum annual fee	USD 12,500	USD 6,250	USD 6,250

Per ounce fees are invoiced and payable quarterly, in arrears, based on the total cleared / traded volume of each licensed product. Minimum annual fees are invoiced and payable annually, in advance.

D. Investment Product Issuers (Master Licence Agreement Schedule M)

Any entity or person that creates, issues, distributes and / or maintains an investment product (including exchange traded products (such as exchange traded funds or exchange traded notes), mutual funds, index funds and commodity funds) (a “Product”) for which new or historical LBMA Gold Price and / or LBMA Silver Price information serves directly or indirectly as, or as part of, an input or underlying reference (including to calculate NAV or otherwise value any assets under management, or in any redemption, exchange or conversion mechanism), is required to enter into a Master Licence Agreement (together with the appropriate Schedule thereto) to obtain an LBMA Gold Price and / or LBMA Silver Price Investment Product Issuer (IPI) Licence.

The fees payable in respect of an LBMA Gold Price and / or LBMA Silver Price IPI Licence are set out below.

1. LBMA Gold Price

Aggregate of Peak AUM of Products	Licence fee (per quarter)
< USD 100mIn	USD 1,000
USD 100mIn to USD 500mIn	USD 3,000
USD 500mIn to USD 1bn	USD 5,000
USD 1bn to USD 10bn	USD 20,000
USD 10bn to USD 25bn	USD 25,000
USD 25 bn to USD 60bn	USD 30,000
> USD 60bn	USD 43,000

2. LBMA Silver Price

Aggregate of Peak AUM of Products	Licence fee (per quarter)
< USD 100mIn	USD 1,000
USD 100mIn to USD 500mIn	USD 3,000
USD 500mIn to USD 1bn	USD 5,000
USD 1bn to USD 10bn	USD 20,000
USD 10bn to USD 25bn	USD 25,000
USD 25 bn to USD 60bn	USD 30,000
> USD 60bn	USD 43,000

Fees are based on the aggregate of the peak amount of all applicable Customer Group Companies' total Assets Under Management (each as defined in the LBMA Gold Price and / or LBMA Silver Price IPI Licence) during each applicable calendar quarter (the “Peak AUM”) for each Product that is subject to an IPI Licence. The Peak AUM for each Product shall be determined separately for each calendar quarter and be utilized for purposes of calculating the Licence fees for each quarter, unless determined at any other time as agreed to by the parties in writing.

Fees are invoiced and payable quarterly, in arrears.

To the extent that a Product is calculated in part from information other than the LBMA Gold Price or the LBMA Silver Price, as applicable, the Peak AUM for that Product shall be pro-rated, based upon the percentage that the LBMA Gold Price or the LBMA Silver Price, as applicable, represents in the calculation of the Product, as notified by the customer to IBA pursuant to the LBMA Gold Price and / or LBMA Silver Price IPI Licence.

E. Derived Benchmarks (Master Licence Agreement Schedule R)

Any entity or person that derives or maintains an index or benchmark for which any new or historical LBMA Gold Price and / or LBMA Silver Price information serves directly or indirectly as, or as part of, an input or underlying reference is required to enter into a Master Licence Agreement (together with the appropriate Schedule thereto) to obtain an LBMA Precious Metals Derived Index Licence.

The fees payable in respect of an LBMA Precious Metals Derived Index Licence are set out below.

- A minimum annual fee of USD 25,000, payable annually in advance within 30 days of the date on which the licence is effective and thereafter on the 1st January (or next business day) of every year of the term of the licence; and
- 25% of the gross revenues (meaning total amount of sales recognised for the given period, prior to any deductions) received by any Customer Group Company (as defined in the LBMA Precious Metals Derived Index Licence) (or its agent, contractor or other service provider) in relation to all fees (however described) or other revenue generated from any Customer Group Company's clients and other users from time to time for the licensing or use of the derived interest rate benchmark (the "Licensed Product Revenue"), to be paid quarterly in arrears, where, in any calendar year, this amount exceeds the minimum annual fee described above.

Where a Customer Group Company sells the Licensed Product in combination with other products, then the Licensed Product Revenue will be calculated as 25% of the fraction $C / (C+D)$ of the gross revenues received in relation to all fees or other revenue generated for the licensing or use of the combination product (where C = the fair market value of the Licensed Product if it were sold separately, and D = the fair market value of each other product in the combination product if it were sold separately).

Example: if the combination product is sold for USD 20,000 and consists of the Licensed Product (which would be sold separately for USD 12,000 as a fair market value) and one other product (which would be sold separately for USD 18,000 as a fair market value), then the Licensed Product Revenue would be USD 2,000: i.e. $20,000 \times (12,000 / (12,000 + 18,000)) \times 25\% = 2,000$.

Where a Customer Group Company derives a Licensed Product using LBMA Gold Price and / or LBMA Silver Price information and Other Inputs, then the percentage of the gross revenues used to calculate the Licensed Product Revenue may be reduced based on the relative values of such inputs and their usage in the derivation, as agreed by IBA in consultation with the Customer.

For the avoidance of doubt, if a Customer Group Company does not receive or generate any Licensed Product Revenue for the licensing or use of the Licensed Product, the fees payable in respect of an LBMA Precious Metals Derived Index Licence shall be USD 25,000 per annum.

4. ISDA SIMM (Master Licence Agreement Schedule N)

A. Consumers / Users of ISDA SIMM Crowdsourcing Facility

Any entity or person that uses new or historical ISDA SIMM Crowdsourcing Facility information in valuation and pricing activities (including but not limited to margin calculations), or that accesses or provides internal users access to ISDA SIMM Crowdsourcing Facility information in connection with the same, is required to enter into a Master Licence Agreement (together with the appropriate Schedule thereto) to obtain an ISDA SIMM Crowdsourcing Facility Usage Licence.

Please note that a separate licence to use the ISDA SIMM methodology itself is required from ISDA.

The fees payable in respect of an ISDA SIMM Crowdsourcing Facility Usage Licence are set out below.

Customer falling in Initial Margin Phase*	Usage Licence Fee - Where the Customer is not a provider of risk bucket information (per annum)	Usage Licence Fee - Where the Customer is a provider of risk bucket information (per annum)	Invoicing and Payment
1	USD 85,000	USD 43,000	Annually, in advance
2	USD 68,000	USD 34,000	Annually, in advance
3	USD 51,000	USD 26,000	Annually, in advance
4	USD 34,000	USD 17,000	Annually, in advance
5	USD 12,500	USD 7,500	Annually, in advance
6	USD 12,500	USD 7,500	Annually, in advance

* A Customer (as defined in the ISDA SIMM Crowdsourcing Facility Usage Licence) using ISDA SIMM Crowdsourcing Facility information will, subject to the following sentence, be treated as falling in Initial Margin Phase 1/2/3/4/5/6 based on a notification by ISDA to IBA of ISDA's classification of that Customer by reference to those Initial Margin Phases. Where two or more Customer Group Companies (as defined in the ISDA SIMM Crowdsourcing Facility usage licence) are using ISDA SIMM Crowdsourcing Facility information under an ISDA SIMM Crowdsourcing Facility Usage Licence with a Customer, then the Customer will be treated as falling in the earliest Initial Margin Phase (i.e. the numerically lowest in the above table) applicable to any such Customer Group Company. The Initial Margin Phase 1/2/3/4/5/6 is a reference to the application, in phases over time, of the initial margin requirements under relevant regulations to entities having outstanding aggregate average notional amounts ("AANA") of non-centrally cleared OTC derivatives (determined across various group entities) exceeding certain thresholds at relevant times. For example, the EU's initial margin requirements for entities belonging to a group with an AANA exceeding EUR 3tn (which was Phase 1) became applicable on 4 February 2017.

B. Market Data Vendors / Redistributors

Market data vendors / redistributors that redistribute new or historical ISDA SIMM Crowdsourcing Facility information are required to enter into an ICE Data Quote Vendor Agreement to obtain a Redistribution Licence.

The fees payable in respect of ISDA SIMM Crowdsourcing Facility information Redistribution Licence are set out below.

Licence Type	Licence Fee* <i>(per annum unless otherwise stated)</i>	Invoicing
Redistribution - Real-Time	USD 29,000	Annually, in advance

**Customers which have both a Usage Licence and a Redistribution Licence will only be charged the higher of the two respective licence fees*

Market data vendors / redistributors must also report users.

5. ICE TERM REFERENCE RATES AND ICE RFR INDEXES⁹

A. Users of ICE Term Reference Rates and ICE RFR Indexes (Master Licence Agreement Schedule Q)

Any entity or person that uses new or historical ICE Term Reference Rates (ICE Term SONIA Reference Rates and / or ICE Term SOFR Reference Rates) or ICE RFR Indexes (ICE SONIA Indexes, ICE SOFR Indexes, ICE €STR Indexes and / or ICE TONA Indexes) information in valuation and pricing activities (including but not limited to interest rate calculations and valuation of transaction positions), and / or uses ICE Term Reference Rates or ICE RFR Indexes information as a reference rate in transactions and financial products (including but not limited to notes, bonds, mortgages and loans), or that accesses or provides internal users access to ICE Term Reference Rates or ICE RFR Indexes information in connection with the same, is required to enter into a Master Licence Agreement (together with the appropriate Schedule thereto) to obtain an ICE Term Reference Rates Usage Licence or an ICE RFR Indexes Usage Licence.

The fees payable in respect of an ICE Term Reference Rates or ICE RFR Indexes Usage Licence are set out below.

Licence Type	Licence Fee (per annum)	Invoicing and Payment
Usage Licence - ICE Term SONIA	USD 25,000	Annually, in advance
Usage Licence - ICE Term SOFR	USD 8,000 (fee waived if taken with an ICE Term SONIA Usage Licence)	Annually, in advance
Usage Licence - ICE RFR Indexes	USD 8,000 (fee waived if taken with an ICE Term SONIA Usage Licence)	Annually, in advance

In addition to a usage licence fee, entities or persons that receive real-time ICE Term SONIA information from a market data vendor / redistributor may be required to pay end-user fees by such market data vendor / redistributor. Please contact your market data vendor / redistributor for more information.

⁹ Please note that an ICE Term SONIA Reference Rates usage or redistribution licence does not permit users or redistributors to use ICE Term SONIA Reference Rates to determine or redistribute any potential "synthetic" GBP LIBOR settings. A separate licence is required to use and redistribute "Synthetic" LIBOR.

B. Market Data Vendors / Redistributors (ICE Data Quote Vendor Agreement)

Market data vendors / redistributors that redistribute new or historical ICE Term Reference Rates or ICE RFR Indexes information are required to enter into an ICE Data Quote Vendor Agreement to obtain an ICE Term Reference Rates and / or ICE RFR Indexes Redistribution Licence.

The fees payable in respect of an ICE Term Reference Rates or ICE RFR Indexes Redistribution Licence are set out below.

1. ICE Term SONIA

Licence Type	Licence Fee* <i>(per annum. unless otherwise stated)</i>	Invoicing and Payment
Redistribution Real-Time	USD 15,000 plus USD 8 per end-user per month	Up-front licence fee: annually, in advance End-user fees: monthly, in arrears
Redistribution - Intraday (4-hour delay)	USD 10,000	Annually, in advance
Redistribution - Delayed (24-hour delay)	USD 5,000	Annually, in advance

2. ICE Term SOFR

Licence Type	Licence Fee* <i>(per annum. unless otherwise stated)</i>	Invoicing and Payment
Redistribution Real-Time	USD 7,500 <i>(fee waived if taken with an ICE Term SONIA Redistribution Licence)</i>	Up-front licence fee: annually, in advance
Redistribution - Intraday (4-hour delay)	USD 5,000 <i>(fee waived if taken with an ICE Term SONIA Redistribution Licence)</i>	Annually, in advance
Redistribution - Delayed (24-hour delay)	USD 2,500 <i>(fee waived if taken with an ICE Term SONIA Redistribution Licence)</i>	Annually, in advance

3. ICE RFR Indexes

Licence Type	Licence Fee* <i>(per annum. unless otherwise stated)</i>	Invoicing and Payment
Redistribution Real-Time	USD 7,500 <i>(fee waived if taken with an ICE Term SONIA Redistribution Licence)</i>	Up-front licence fee: annually, in advance
Redistribution - Intraday (4-hour delay)	USD 5,000 <i>(fee waived if taken with an ICE Term SONIA Redistribution Licence)</i>	Annually, in advance
Redistribution - Delayed (24-hour delay)	USD 2,500 <i>(fee waived if taken with an ICE Term SONIA Redistribution Licence)</i>	Annually, in advance

**Customers which have both a Usage Licence and a Redistribution Licence will only be charged the higher of the two respective licence fees at the point these become fee-liable.*

Market data vendors / redistributors must also report users.

C. Derived Benchmarks (Master Licence Agreement Schedule S)

Any entity or person that derives or maintains an interest rate benchmark for which any new or historical ICE Term Reference Rate information serves directly or indirectly as, or as part of, an input or underlying reference is required to enter into a Master Licence Agreement (together with the appropriate Schedule thereto) to obtain an ICE Term Reference Rates Derived Benchmark Licence.

The fees payable in respect of an ICE Term Reference Rate Derived Benchmark Licence are set out below.

- A minimum annual fee of USD 25,000, payable annually in advance, within 30 days of the date on which the licence is effective and thereafter on the 1st January (or next business day) of every year of the term of the licence; and
- 25% of the gross revenues (meaning total amount of sales recognised for the given period, prior to any deductions) received by any Customer Group Company (as defined in the ICE Term reference Rates derived benchmark licence) (or its agent, contractor or other service provider) in relation to all fees (however described) or other revenue generated from any Customer Group Company's clients and other users from time to time for the licensing or use of the derived interest rate benchmark (the "Licensed Product Revenue"), to be paid quarterly in arrears, where, in any calendar year, this amount exceeds the minimum annual fee described above.

Where a Customer Group Company sells the derived interest rate benchmark in combination with other products, then the Licensed Product Revenue will be calculated as 25% of the fraction $C / (C+D)$ of the gross revenues received in relation to all fees or other revenue generated for the licensing or use of the combination product (where C = the fair market value of the derived interest rate benchmark if it were sold separately, and D = the fair market value of each other product in the combination product if it were sold separately).

Example: if the combination product is sold for USD 20,000 and consists of the Licensed Product (which would be sold separately for USD 12,000 as a fair market value) and one other product (which would be sold separately for USD 18,000 as a fair market value), then the Licensed Product Revenue would be USD 2,000: i.e. $20,000 \times (12,000 / (12,000 + 18,000)) \times 25\% = 2,000$.

Where a Customer Group Company derives an interest rate benchmark using ICE Term reference Rate and other inputs, then the percentage of the gross revenues used to calculate the Licensed Product Revenue may be reduced based on the relative values of such inputs and their usage in the derivation, as agreed by IBA in consultation with the Customer.

For the avoidance of doubt, if a Customer Group Company does not receive or generate any Licensed Product Revenue for the licensing or use of the derived interest rate benchmark, the fees payable in respect of an ICE Term Reference Rate derived benchmark licence shall be USD 25,000 per annum.

6. ICE CRED

A. Users of ICE CRED Information (Master Licence Agreement Schedule U)

Any entity or person that accesses and uses ICE CRED information via IBA's MFT service is required to enter into a Master Licence Agreement (together with the appropriate Schedule thereto) to obtain an ICE CRED Usage Licence.

The fees payable in respect of an ICE CRED Usage Licence are being waived for 2024.

B. Market Data Vendors / Redistributors (ICE Data Quote Vendor Agreement)

Market data vendors / redistributors that redistribute ICE CRED information are required to enter into an ICE Data Quote Vendor Agreement to obtain an ICE CRED Redistribution Licence.

The fees payable in respect of an ICE CRED Redistribution Licence are being waived for 2024*.

Market data vendors / redistributors must also report users.

**Customers which have both a Usage Licence and a Redistribution Licence will only be charged the higher of the two respective licence fees at the point these become fee-liable*

7. Educational Usage Licence

Any entity or person that uses new or historical benchmark information for academic and educational purposes is required to enter into a Master Licence Agreement (together with the appropriate Schedule thereto) to obtain an Educational Usage Licence.

The fees payable in respect of an Educational Usage Licence are USD 5,000 per benchmark per year, payable annually in advance.

8. BENCHMARK AND OTHER INFORMATION NOTICE AND DISCLAIMER

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As a result, IBA is not responsible for carrying out any target market assessment or supplying any key information document in relation to its benchmark or other information or otherwise. The material and information located in this document and on IBA's website is provided for information purposes only. IBA is not responsible for and makes no representation regarding the appropriateness or suitability of using, or investing in any financial instrument or entering into any contract linked to, IBA's benchmark or other information and any decision to engage in such use or to invest in any such instrument or enter into any such contract should not be made in reliance on IBA's benchmark or other information. You should consult relevant disclosures by your counterparties and seek advice from professional advisors in relation to any intended use of, or investing in any financial instrument or entering into any contract linked to, IBA's benchmark or other information.

Any of: (i) the basis or methodology for calculation or determination, (ii) the input data used for calculation or determination, (iii) the underlying economic reality or market represented or measured, (iv) the name, or (v) the administrator, in respect of any benchmark or other information may change, including, without limitation, pursuant to applicable law, an order of a regulatory or other competent authority or procedures undertaken in accordance with applicable laws, which may result in short-term or long-term changes to such benchmark or other information or to their characteristics, including their representativeness. The application of laws and regulations to benchmark or other information may be subject to modifications pursuant to applicable law and/or an order of a regulatory or other competent authority. The input data required to generate a benchmark or other information may become less available or may cease to be available altogether, which could impact the determination of the benchmark or other information (such as involving the use of a lower level of a benchmark methodology) and could result in an administrator being unable to calculate and publish the benchmark or other information in accordance with the relevant benchmark methodology. Benchmark or other information may be expanded (for example to cover more currencies or tenors), reduced, changed, discontinued or terminated at any time, including, without limitation, pursuant to applicable law, an order of a regulatory or other competent authority or procedures undertaken in accordance with applicable law, or because of other factors

beyond IBA's control. Benchmark or other information may cease to be representative of the economic reality or underlying market that they are or were intended to measure or represent, but that may not be grounds for IBA invoking a contingency procedure and, in the case of a benchmark listed as a critical benchmark, IBA may be required, pursuant to applicable laws or an order of a regulatory or other competent authority, to make changes and/or continue to publish the affected benchmark or other information. Use of a benchmark or other information may also be prohibited or restricted under applicable laws and regulation.

Users of IBA's benchmark or other information should produce and maintain robust written fallback provisions and plans setting out the actions that would be taken in the event of material changes to or cessation of the relevant benchmark or other information. These should include, where feasible and appropriate, specifying alternative benchmarks that could be referenced as a substitute with reasons as to why they are suitable alternatives. Various factors, including those beyond IBA's control, might necessitate material changes to or cessation of a benchmark or other information, including changes resulting in a benchmark becoming unrepresentative. Please ensure that any financial instrument or contract that you invest in or are a party to linked to IBA's benchmark or other information contains such provisions and plans and that you consider the potential impact on any relevant financial instrument or contract of a material change to, unrepresentativeness or cessation of, the relevant benchmark or other information.

Historical benchmark and other information may not be indicative of future information or performance. None of IBA, Intercontinental Exchange, Inc. (ICE), or any third party that provides data used to administer or determine any benchmark and other information (a Data Provider), or any of its or their affiliates, makes any claim, prediction, warranty or representation whatsoever, expressly or impliedly, as to the timeliness, accuracy or completeness of its benchmark or other information, the results to be obtained from the use of its benchmark or other information, or as to the appropriateness or suitability of any such benchmark or other information for any particular purpose to which it might be put.

To the fullest extent permitted by applicable law, none of IBA, ICE or any Data Provider, or any of its or their affiliates will be liable in contract or tort (including negligence), for breach of statutory duty or nuisance or under antitrust laws, misrepresentation or otherwise, in respect of any inaccuracies, errors, omissions, delays, failures, cessations or changes (material or otherwise) in IBA's benchmark and other information, or for any damage, expense or other loss (whether direct or indirect) you may suffer arising out of or in connection with IBA's benchmark and other information or any reliance you may place upon it. All implied terms, conditions and warranties, including without limitation as to quality, merchantability, fitness for purpose, title or non-infringement, in relation to IBA's benchmark and other information are hereby excluded to the fullest extent permitted by applicable law.

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